



Job Order Contract Construction Task Catalog®

CSI Divisions 01-46 February 2026

**San Bernardino County
Demolition and Abatement**



This Page Intentionally Left Blank

00 Using The Construction Task Catalog®	1
01 General Requirements	1
01 10 Summary	1
01 11 Summary Of Work	1
01 20 Price and Payment Procedures	1
01 22 Unit Prices	1
01 30 Administrative Requirements	53
01 35 Special Procedures	53
01 40 Quality Requirements	53
01 41 Regulatory Requirements	53
01 42 References	53
01 45 Quality Control	54
01 50 Temporary Facilities and Controls	57
01 51 Temporary Utilities	57
01 52 Construction Facilities	57
01 53 Temporary Construction	59
01 54 Construction Aids	59
01 55 Vehicular Access and Parking	62
01 56 Temporary Barriers and Enclosures	69
01 57 Temporary Controls	79
01 58 Project Identification	79
01 60 Product Requirements	80
01 65 Product Delivery Requirements	80
01 66 Product Storage and Handling Requirements	80
01 70 Execution and Closeout Requirements	81
01 71 Examination and Preparation	81
01 74 Cleaning and Waste Management	85
01 90 Life Cycle Activities	87
01 91 Commissioning	87
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition and Structure Moving	2
02 41 Demolition	2
02 42 Removal and Salvage of Construction Materials	20
02 43 Structure Moving	21
02 50 Site Remediation	21
02 58 Snow Control	21
02 60 Contaminated Site Material Removal	21
02 61 Removal and Disposal of Contaminated Soils	21
02 65 Underground Storage Tank Removal	22
02 80 Facility Remediation	25
02 81 Transportation and Disposal of Hazardous Materials	25
02 82 Asbestos Remediation	25
02 83 Lead Remediation	33
02 84 Polychlorinated Biphenyl Remediation	38
02 86 Hazardous Waste Drum Handling	39
02 87 Bio-Hazard Material Remediation	40
02 89 Hazmat Ancillary Tasks and Support	49
02 90 Disaster Recovery	49
02 90 50 Cleaning and Disaster Cleanup	49
02 90 55 Emergency Clean-up	53
03 Concrete	1
03 01 Maintenance of Concrete	1
03 01 20 Maintenance of Concrete Reinforcing	1
03 01 30 Maintenance of Cast-In-Place Concrete	1
03 05 Common Work Results For Concrete	4
03 05 13 Concrete Admixtures	4

Table of Contents

03 10 Concrete Forming and Accessories	5
03 11 Concrete Forming	5
03 15 Concrete Accessories	8
03 20 Concrete Reinforcing	19
03 21 Reinforcement Bars	19
03 22 Fabric and Grid Reinforcing	48
03 30 Cast-In-Place Concrete	49
03 30 53 Miscellaneous Cast-in-Place Concrete	49
03 31 Structural Concrete	50
03 35 Concrete Finishing	66
03 37 Specialty Placed Concrete	69
03 39 Concrete Curing	70
03 40 Precast Concrete	71
03 41 Precast Structural Concrete	71
03 48 Precast Concrete Specialties	80
03 50 Cast Decks and Underlayment	83
03 51 Cast Roof Decks	83
03 53 Concrete Topping	84
03 54 Cast Underlayment	84
03 60 Grouting	84
03 61 Cementitious Grouting	84
03 62 Non-Shrink Grouting	85
03 63 Epoxy Grouting	85
03 64 Injection Grouting	85
03 80 Concrete Cutting and Boring	86
03 81 Concrete Cutting	86
03 82 Concrete Boring	86

04 Masonry

1

04 01 Maintenance of Masonry	1
04 01 20 Maintenance of Unit Masonry	1
04 01 50 Maintenance of Refractory Masonry	10
04 05 Common Work Results for Masonry	10
04 05 13 Masonry Mortaring	10
04 05 16 Masonry Grouting	11
04 05 19 Masonry Anchorage and Reinforcing	11
04 05 23 Masonry Accessories	37
04 20 Unit Masonry	39
04 21 Clay Unit Masonry	39
04 22 Concrete Unit Masonry	42
04 23 Glass Unit Masonry	47
04 40 Stone Assemblies	47
04 41 Dry-Placed Stone	47
04 42 Exterior Stone Cladding	47
04 43 Stone Masonry	48
04 50 Refractory Masonry	49
04 51 Flue Liner Masonry	49
04 70 Manufactured Masonry	49
04 72 Cast Stone Masonry	50

05 Metals

1

05 01 Maintenance of Metals	1
05 01 50 Maintenance of Metal Fabrications	1
05 01 70 Maintenance of Decorative Metal	1
05 05 Common Work Results for Metals	1
05 05 19 Post-Installed Concrete Anchors	1
05 05 21 Fastening Methods for Metal	12
05 05 23 Metal Fastenings	14
05 10 Structural Metal Framing	78
05 12 Structural Steel Framing	78
05 13 Structural Stainless-Steel Framing	141
05 14 Structural Aluminum Framing	141
05 15 Wire Rope Assemblies	143
05 20 Metal Joists	149
05 21 Steel Joist Framing	149
05 30 Metal Decking	149
05 31 Steel Decking	149

05 36 Composite Metal Decking	153
05 40 Cold-Formed Metal Framing	156
05 41 Structural Metal Stud Framing	156
05 42 Cold-Formed Metal Joist Framing.....	158
05 43 Slotted Channel Framing	158
05 45 Metal Support Assemblies	160
05 50 Metal Fabrications	160
05 51 Metal Stairs	160
05 52 Metal Railings	162
05 53 Metal Gratings.....	174
05 54 Metal Floor Plates	182
05 55 Metal Stair Treads and Nosings	182
05 56 Metal Castings	184
05 58 Formed Metal Fabrications	184
05 59 Metal Specialties.....	185
05 70 Decorative Metal	193
05 71 Decorative Metal Stairs.....	193
05 73 Decorative Metal Railings	194
05 75 Decorative Formed Metal.....	195

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites	1
06 01 10 Maintenance of Rough Carpentry	1
06 01 20 Maintenance of Finish Carpentry.....	1
06 01 40 Maintenance of Architectural Woodwork	1
06 05 Common Work Results for Wood, Plastics, and Composites	2
06 05 23 Wood, Plastic, and Composite Fastenings	2
06 05 73 Wood Treatment	24
06 10 Rough Carpentry	24
06 11 Wood Framing	24
06 13 Heavy Timber Construction	30
06 15 Wood Decking.....	31
06 16 Sheathing.....	34
06 17 Shop-Fabricated Structural Wood	40
06 18 Glued-Laminated Construction	46
06 20 Finish Carpentry	47
06 22 Millwork	47
06 25 Prefinished Paneling	49
06 40 Architectural Woodwork	49
06 41 Architectural Wood Casework	49
06 42 Wood Paneling.....	64
06 43 Wood Stairs and Railings	67
06 44 Ornamental Woodwork	69
06 46 Wood Trim	70
06 48 Wood Frames	88
06 49 Wood Screens and Exterior Wood Shutters	89
06 50 Structural Plastics.....	89
06 51 Structural Plastic Shapes and Plates.....	89
06 52 Plastic Structural Assemblies	96
06 53 Plastic Decking	97
06 60 Plastic Fabrications	97
06 65 Plastic Trim	97
06 70 Structural Composites	98
06 74 Composite Gratings	98
06 80 Composite Fabrications.....	100
06 81 Composite Railings	100
06 82 Composite Trim.....	100
06 83 Composite Paneling.....	102

07 Thermal And Moisture Protection 1

07 01 Operation and Maintenance of Thermal and Moisture Protection.....	1
07 01 50 Maintenance of Membrane Roofing.....	1
07 01 60 Maintenance of Flashing and Sheet Metal	1
07 01 70 Operation and Maintenance of Roof Specialties and Accessories	1
07 05 Common Work Results for Thermal and Moisture Protection	2
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work	2
07 10 Dampproofing and Waterproofing	2

Table of Contents

07 11 Dampproofing	2
07 13 Sheet Waterproofing	2
07 14 Fluid-Applied Waterproofing	4
07 16 Cementitious and Reactive Waterproofing	5
07 17 Bentonite Waterproofing	5
07 18 Traffic Coatings	5
07 19 Water Repellents	7
07 20 Thermal Protection	8
07 21 Thermal Insulation	8
07 22 Roof and Deck Insulation	20
07 24 Exterior Insulation and Finish Systems	47
07 25 Weather Barriers	50
07 26 Vapor Retarders	50
07 27 Air Barriers	50
07 30 Steep Slope Roofing	50
07 31 Shingles and Shakes	50
07 32 Roof Tiles	55
07 34 Roofing Underlayment	57
07 40 Roofing and Siding Panels	59
07 41 Roof Panels	59
07 42 Wall Panels	62
07 46 Siding	63
07 50 Membrane Roofing	67
07 51 Built-Up Bituminous Roofing	67
07 52 Modified Bituminous Membrane Roofing	76
07 53 Elastomeric Membrane Roofing	86
07 54 Thermoplastic Membrane Roofing	89
07 55 Protected Membrane Roofing	96
07 56 Fluid-Applied Roofing	96
07 57 Coated Foamed Roofing	97
07 58 Roll Roofing	99
07 59 Membrane Roofing Termination Bar	99
07 60 Flashing and Sheet Metal	100
07 61 Sheet Metal Roofing	100
07 62 Sheet Metal Flashing and Trim	102
07 63 Sheet Metal Roofing Specialties	107
07 64 Sheet Metal Wall Cladding	108
07 65 Flexible Flashing	108
07 70 Roof and Wall Specialties and Accessories	109
07 71 Roof Specialties	109
07 72 Roof Accessories	137
07 73 Roof Protection Board	191
07 76 Roof Pavers	192
07 80 Fire and Smoke Protection	193
07 81 Applied Fireproofing	193
07 84 Firestopping	194
07 86 Smoke Seals	202
07 90 Joint Protection	203
07 91 Preformed Joint Seals	203
07 92 Joint Sealants	205
07 95 Expansion Control	209

08 Openings 1

08 01 Operation and Maintenance of Openings	1
08 01 10 Operation and Maintenance of Doors and Frames	1
08 01 40 Operation and Maintenance of Entrances, Storefronts, and Curtain Walls	1
08 01 50 Operation and Maintenance of Windows	1
08 01 80 Maintenance of Glazing	1
08 05 Common Work Results for Openings	1
08 05 13 Door Options and Modifications	1
08 10 Doors and Frames	3
08 11 Metal Doors and Frames	3
08 12 Metal Frames	3
08 13 Metal Doors	28
08 14 Wood Doors	52
08 15 Plastic Doors	125
08 16 Composite Doors	126
08 17 Integrated Door Opening Assemblies	131

08 18 Glass Doors	134
08 30 Specialty Doors and Frames	135
08 31 Access Doors and Panels	135
08 33 Coiling Doors and Grilles	136
08 34 Special Function Doors	174
08 35 Folding Doors and Grilles	187
08 36 Panel Doors	187
08 38 Traffic Doors	195
08 40 Entrances, Storefronts, and Curtain Walls	211
08 42 Entrances	211
08 43 Storefronts	216
08 44 Curtain Wall and Glazed Assemblies	220
08 45 Translucent Wall and Roof Assemblies	222
08 50 Windows	223
08 51 Metal Windows	223
08 52 Wood Windows	239
08 53 Plastic Windows	301
08 54 Composite Windows	329
08 56 Special Function Windows	357
08 60 Roof Windows and Skylights	360
08 62 Unit Skylights	360
08 63 Metal-Framed Skylights	365
08 66 Wood-Framed Skylights	370
08 70 Hardware	371
08 71 Door Hardware	371
08 72 Weatherstripping, Thresholds and Seals	456
08 75 Window Hardware	468
08 78 Special Function Hardware	468
08 79 Hardware Accessories	469
08 80 Glazing	469
08 81 Glass Glazing	469
08 83 Mirrors	483
08 84 Plastic Glazing	484
08 85 Glazing Accessories	485
08 87 Glazing Surface Films	485
08 88 Special Function Glazing	486
08 90 Louvers and Vents	488
08 91 Louvers	488
08 95 Vents	520

09 Finishes 1

09 01 Maintenance of Finishes	1
09 01 20 Maintenance of Plaster and Gypsum Board	1
09 01 30 Maintenance of Tiling	1
09 01 50 Maintenance of Ceilings	1
09 01 60 Maintenance of Flooring	2
09 01 80 Maintenance of Acoustic Treatment	2
09 01 90 Maintenance of Painting and Coating	2
09 05 Common Work Results for Finishes	7
09 05 05 Selective Demolition for Finishes	7
09 05 61 Common Work Results for Flooring Preparation	7
09 05 71 Acoustic Underlayment	7
09 20 Plaster and Gypsum Board	8
09 22 Supports for Plaster and Gypsum Board	8
09 23 Gypsum Plastering	17
09 24 Cement Plastering	18
09 28 Backing Boards and Underlayments	19
09 29 Gypsum Board	20
09 30 Tiling	28
09 30 13 Ceramic Tiling	28
09 30 16 Quarry Tiling	29
09 30 23 Glass Mosaic Tiling	30
09 30 33 Stone Tiling	30
09 31 Thin-Set Tiling	34
09 32 Mortar-Bed Tiling	34
09 34 Waterproofing-Membrane Tiling	35
09 35 Chemical-Resistant Tiling	35
09 39 Tiling Transitions	36

Table of Contents

09 50 Ceilings	36
09 51 Acoustical Ceilings	36
09 53 Acoustical Ceiling Suspension Assemblies	53
09 54 Specialty Ceilings	55
09 57 Special Function Ceilings	56
09 60 Flooring	57
09 61 Flooring Treatment	57
09 63 Masonry Flooring	57
09 64 Wood Flooring	57
09 65 Resilient Flooring	61
09 66 Terrazzo Flooring	71
09 67 Fluid-Applied Flooring	73
09 68 Carpeting	74
09 69 Access Flooring	118
09 70 Wall Finishes	119
09 72 Wall Coverings	119
09 73 Wall Carpeting	120
09 74 Flexible Wood Sheets	120
09 77 Special Wall Surfacing	120
09 78 Interior Wall Paneling	120
09 80 Acoustic Treatment	121
09 81 Acoustic Insulation	121
09 84 Acoustic Room Components	122
09 90 Painting and Coating	123
09 91 Painting	123
09 93 Staining and Transparent Finishing	234
09 96 High-Performance Coatings	239
09 97 Special Coatings	243

10 Specialties 1

10 01 Operation and Maintenance of Specialties	1
10 01 30 Operation and Maintenance of Fireplaces and Stoves	1
10 01 40 Operation and Maintenance of Safety Specialties	1
10 01 50 Operation and Maintenance of Storage Specialties	1
10 10 Information Specialties	1
10 11 Visual Display Units	1
10 12 Display Cases	9
10 13 Directories	9
10 14 Signage	12
10 20 Interior Specialties	42
10 21 Compartments and Cubicles	42
10 22 Partitions	68
10 26 Wall and Door Protection	74
10 28 Toilet, Bath, and Laundry Accessories	84
10 30 Fireplaces and Stoves	95
10 31 Manufactured Fireplaces	95
10 32 Fireplace Specialties	96
10 40 Safety Specialties	96
10 41 Emergency Access And Information Cabinets	96
10 44 Fire Protection Specialties	97
10 45 Photoluminescent Exit Specialties	103
10 50 Storage Specialties	103
10 51 Lockers	103
10 55 Postal Specialties	117
10 56 Storage Assemblies	118
10 57 Wardrobe And Closet Specialties	121
10 70 Exterior Specialties	121
10 71 Exterior Protection	121
10 73 Protective Covers	131
10 75 Flagpoles	132
10 80 Other Specialties	135
10 81 Pest Control Devices	135
10 86 Security Mirrors And Domes	136

11 Equipment 1

11 01 Operation and Maintenance of Equipment	1
11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment	1

11 10 Vehicle and Pedestrian Equipment	1
11 11 Vehicle Service Equipment	1
11 12 Parking Control Equipment	2
11 13 Loading Dock Equipment	3
11 14 Pedestrian Control Equipment	9
11 20 Commercial Equipment	11
11 21 Retail and Service Equipment	11
11 22 Banking Equipment	12
11 28 Office Equipment	12
11 30 Residential Equipment	12
11 30 13 Residential Appliances	12
11 30 33 Retractable Stairs	15
11 32 Unit Kitchens	17
11 40 Foodservice Equipment	17
11 41 Foodservice Storage Equipment	17
11 42 Food Preparation Equipment	38
11 44 Food Cooking Equipment	40
11 46 Food Dispensing Equipment	48
11 48 Foodservice Cleaning and Disposal Equipment	53
11 50 Educational and Scientific Equipment	55
11 51 Library Equipment	55
11 52 Audio-Visual Equipment	55
11 53 Laboratory Equipment	64
11 60 Entertainment and Recreation Equipment	73
11 66 Athletic Equipment	73
11 68 Play Field Equipment and Structures	75
11 70 Healthcare Equipment	100
11 71 Medical Sterilizing Equipment	100
11 72 Examination and Treatment Equipment	100
11 73 Patient Care Equipment	103
11 77 Radiology Equipment	105
11 78 Mortuary Equipment	105
11 80 Facility Maintenance and Operation Equipment	105
11 81 Maintenance Equipment	105
11 82 Facility Solid Waste Handling Equipment	106
11 90 Other Equipment	107
11 95 Arts and Crafts Equipment	107
11 97 Security Equipment	107
11 98 Detention Equipment	107
12 Furnishings	1
12 01 Operation and Maintenance of Furnishings	1
12 01 60 Operation and Maintenance of Multiple Seating	1
12 20 Window Treatments	1
12 21 Window Blinds	1
12 22 Curtains and Drapes	1
12 23 Interior Shutters	4
12 24 Window Shades	6
12 25 Window Treatment Operating Hardware	14
12 30 Casework	14
12 31 Manufactured Metal Casework	14
12 35 Specialty Casework	19
12 36 Countertops	22
12 40 Furnishings and Accessories	25
12 41 Office Accessories	25
12 48 Rugs and Mats	25
12 50 Furniture	25
12 55 Detention Furniture	25
12 56 Institutional Furniture	27
12 59 Systems Furniture	35
12 60 Multiple Seating	45
12 61 Fixed Audience Seating	45
12 62 Portable-Audience Seating	47
12 66 Telescoping Stands	48
13 Special Construction	1
13 01 Operation and Maintenance of Special Construction	1

Table of Contents

13 01 10 Operation and Maintenance of Special Facility Components.....	1
13 10 Special Facility Components.....	1
13 11 Swimming Pools.....	1
13 12 Fountains.....	3
13 20 Special Purpose Rooms	3
13 21 Controlled Environment Rooms	3
13 30 Special Structures.....	3
13 34 Fabricated Engineered Structures.....	3
13 40 Integrated Construction.....	24
13 42 Building Modules	24
13 46 Lightning Protection Systems.....	24
13 47 Facility Protection	25
13 48 Sound, Vibration, and Seismic Control.....	26
13 49 Radiation Protection	28

14 Conveying Equipment 1

14 01 Operation and Maintenance of Conveying Equipment	1
14 01 20 Operation and Maintenance of Elevators	1
14 01 30 Operation and Maintenance of Escalators and Moving Walks.....	3
14 20 Elevators.....	3
14 21 Electric Traction Elevators.....	3
14 24 Hydraulic Elevators	5
14 26 Limited-Use/Limited-Application Elevators.....	10
14 27 Custom Elevator Cabs and Doors.....	10
14 28 Elevator Equipment and Controls.....	10
14 30 Escalators and Moving Walks.....	11
14 40 Lifts	11
14 41 People Lifts.....	11
14 42 Wheelchair Lifts	11
14 90 Other Conveying Equipment.....	11
14 91 Facility Chutes.....	12
14 92 Pneumatic Tube Systems	12

21 Fire Suppression 1

21 01 Operation and Maintenance of Fire Suppression	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems.....	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment	1
21 05 Common Work Results for Fire Suppression.....	1
21 05 13 Common Motor Requirements for Fire-Suppression Equipment	1
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping.....	1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping	2
21 05 19 Meters and Gages for Fire-Suppression Systems	2
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping.....	2
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment.....	4
21 05 33 Heat Tracing for Fire-Suppression Piping	4
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment	4
21 05 53 Identification for Fire-Suppression Piping and Equipment	4
21 07 Fire-Suppression Systems Insulation	4
21 07 16 Fire-Suppression Equipment Insulation	4
21 07 19 Fire-Suppression Piping Insulation.....	4
21 10 Water-Based Fire-Suppression Systems.....	4
21 11 Facility Fire-Suppression Water-Service Piping	4
21 12 Fire-Suppression Standpipes	5
21 13 Fire-Suppression Sprinkler Systems	6
21 20 Fire-Extinguishing Systems	36
21 21 Carbon-Dioxide Fire-Extinguishing Systems.....	36
21 22 Clean-Agent Fire-Extinguishing Systems.....	36
21 23 Wet-Chemical Fire-Extinguishing Systems	44
21 24 Dry-Chemical Fire-Extinguishing Systems	48
21 30 Fire Pumps.....	50
21 31 Centrifugal Fire Pumps.....	50
21 34 Fire Pump Accessories	50

22 Plumbing 1

22 01 Operation and Maintenance of Plumbing.....	1
22 01 10 Operation and Maintenance of Plumbing Piping and Pumps.....	1

22 01 40 Operation and Maintenance of Plumbing Fixtures.....	2
22 05 Common Work Results for Plumbing	3
22 05 13 Common Motor Requirements for Plumbing Equipment	3
22 05 16 Expansion Fittings and Loops for Plumbing Piping	3
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping	3
22 05 19 Meters and Gages for Plumbing Piping	3
22 05 23 General-Duty Valves for Plumbing Piping	3
22 05 29 Hangers and Supports for Plumbing Piping and Equipment	6
22 05 33 Heat Tracing for Plumbing Piping	6
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment	6
22 05 53 Identification for Plumbing Piping and Equipment	6
22 05 76 Facility Drainage Piping Cleanouts.....	6
22 07 Plumbing Insulation.....	9
22 07 16 Plumbing Equipment Insulation	9
22 07 19 Plumbing Piping Insulation	9
22 10 Plumbing Piping	41
22 11 Facility Water Distribution	41
22 12 Facility Potable-Water Storage Tanks	113
22 13 Facility Sanitary Sewerage	114
22 14 Facility Storm Drainage	187
22 15 General Service Compressed-Air Systems	198
22 30 Plumbing Equipment	203
22 31 Domestic Water Softeners	203
22 32 Domestic Water Filtration Equipment	205
22 33 Electric Domestic Water Heaters	206
22 34 Fuel-Fired Domestic Water Heaters	211
22 35 Domestic Water Heat Exchangers.....	215
22 40 Plumbing Fixtures.....	215
22 41 Residential Plumbing Fixtures	215
22 42 Commercial Plumbing Fixtures.....	216
22 43 Healthcare Plumbing Fixtures.....	231
22 45 Emergency Plumbing Fixtures.....	233
22 46 Security Plumbing Fixtures	237
22 47 Drinking Fountains and Water Coolers.....	239
22 50 Pool and Fountain Plumbing Systems	243
22 51 Swimming Pool Plumbing Systems	243
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities	251
22 63 Gas Systems for Laboratory and Healthcare Facilities.....	251
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities.....	253
22 67 Processed Water Systems for Laboratory and Healthcare Facilities.....	273

23 Heating, Ventilating, and Air-Conditioning (HVAC) 1

23 01 Operation and Maintenance of HVAC Systems	1
23 01 10 Operation and Maintenance of Facility Fuel Systems	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	4
23 01 50 Operation and Maintenance of Central Heating Equipment	5
23 01 60 Operation and Maintenance of Central Cooling Equipment	6
23 05 Common Work Results for HVAC	7
23 05 13 Common Motor Requirements for HVAC Equipment	7
23 05 16 Expansion Fittings and Loops for HVAC Piping	11
23 05 17 Sleeves and Sleeve Seals for HVAC Piping.....	19
23 05 19 Meters and Gages for HVAC Piping	20
23 05 23 General-Duty Valves For HVAC Piping	23
23 05 29 Hangers and Supports for HVAC Piping and Equipment	50
23 05 33 Heat Tracing for HVAC Piping	79
23 05 48 Vibration and Seismic Controls for HVAC	79
23 05 53 Identification for HVAC Piping and Equipment	84
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment	84
23 05 93 Testing, Adjusting, and Balancing for HVAC	86
23 07 HVAC Insulation	89
23 07 13 Duct Insulation	89
23 07 16 HVAC Equipment Insulation	90
23 07 19 HVAC Piping Insulation	91
23 08 Commissioning of HVAC	94
23 09 Instrumentation and Control for HVAC	94
23 09 23 Direct-Digital Control System for HVAC	94
23 09 43 Pneumatic Control System For HVAC	119

Table of Contents

23 10 Facility Fuel Systems	120
23 11 Facility Fuel Piping	120
23 12 Facility Fuel Pumps	132
23 13 Facility Fuel-Storage Tanks	133
23 20 HVAC Piping and Pumps	141
23 21 Hydronic Piping and Pumps	141
23 22 Steam and Condensate Piping and Pumps	245
23 23 Refrigerant Piping	251
23 25 HVAC Water Treatment	256
23 30 HVAC Air Distribution	257
23 31 HVAC Ducts and Casings	257
23 33 Air Duct Accessories	347
23 34 HVAC Fans	408
23 35 Special Exhaust Systems	425
23 36 Air Terminal Units	427
23 37 Air Outlets and Inlets	429
23 38 Ventilation Hoods	449
23 40 HVAC Air Cleaning Devices	450
23 41 Particulate Air Filtration	450
23 42 Gas-Phase Air Filtration	457
23 43 Electronic Air Cleaners	457
23 50 Central Heating Equipment	458
23 51 Breechings, Chimneys, and Stacks	458
23 52 Heating Boilers	480
23 53 Heating Boiler Feedwater Equipment	498
23 54 Furnaces	499
23 55 Fuel-Fired Heaters	501
23 57 Heat Exchangers for HVAC	504
23 60 Central Cooling Equipment	505
23 61 Refrigerant Compressors	505
23 62 Packaged Compressor and Condenser Units	507
23 63 Refrigerant Condensers	508
23 64 Packaged Water Chillers	510
23 65 Cooling Towers	515
23 70 Central HVAC Equipment	520
23 71 Thermal Storage	520
23 72 Air-To-Air Energy Recovery Equipment	520
23 73 Indoor Central-Station Air-Handling Units	521
23 74 Packaged Outdoor HVAC Equipment	540
23 75 Custom-Packaged Outdoor HVAC Equipment	554
23 76 Evaporative Air-Cooling Equipment	554
23 80 Decentralized Unitary HVAC Equipment	555
23 81 Decentralized Unitary HVAC Equipment	555
23 82 Convection Heating and Cooling Units	569
23 83 Radiant Heating Units	585
23 84 Humidity Control Equipment	586

25 Integrated Automation 1

25 50 Integrated Automation Facility Controls	1
25 55 Integrated Automation Control of HVAC	1

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems	1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution	3
26 01 26 Maintenance Testing of Electrical Systems	13
26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment	14
26 01 50 Operation and Maintenance of Lighting	17
26 05 Common Work Results for Electrical	45
26 05 13 Medium-Voltage Cables	45
26 05 19 Low-Voltage Electrical Power Conductors and Cables	51
26 05 23 Control-Voltage Electrical Power Cables	69
26 05 26 Grounding and Bonding for Electrical Systems	69
26 05 29 Hangers and Supports for Electrical Systems	74
26 05 33 Raceway and Boxes for Electrical Systems	96
26 05 36 Cable Trays for Electrical Systems	324
26 05 39 Underfloor Raceways for Electrical Systems	411

26 05 43 Underground Ducts and Raceways for Electrical Systems	413
26 05 46 Utility Poles for Electrical Systems	415
26 05 53 Identification for Electrical Systems	420
26 05 83 Wiring Connections.....	420
26 09 Instrumentation and Control for Electrical Systems	423
26 09 13 Electrical Power Monitoring	423
26 09 23 Lighting Control Devices.....	424
26 10 Medium-Voltage Electrical Distribution.....	448
26 11 Substations	448
26 12 Medium-Voltage Transformers	455
26 13 Medium-Voltage Switchgear.....	461
26 18 Medium-Voltage Circuit Protection Devices	463
26 19 High-Voltage Circuit Protection.....	464
26 20 Low-Voltage Electrical Distribution.....	466
26 21 Low-Voltage Electrical Service Entrance.....	466
26 22 Low-Voltage Transformers	468
26 24 Switchboards and Panelboards	474
26 25 Enclosed Bus Assemblies.....	519
26 27 Low-Voltage Distribution Equipment.....	523
26 28 Low-Voltage Circuit Protective Devices.....	541
26 29 Low-Voltage Controllers	571
26 30 Facility Electrical Power Generating and Storing Equipment	588
26 31 Photovoltaic Collectors	588
26 32 Packaged Generator Assemblies	592
26 33 Battery Equipment	601
26 35 Power Filters and Conditioners.....	604
26 36 Transfer Switches	605
26 40 Electrical And Cathodic Protection	609
26 43 Surge Protective Devices	609
26 50 Lighting.....	613
26 51 Interior Lighting	613
26 52 Safety Lighting	670
26 54 Classified Location Lighting	675
26 55 Special Purpose Lighting	677
26 56 Exterior Lighting	694

27 Communications

1

27 05 Common Work Results for Communications	1
27 05 26 Grounding and Bonding for Communications Systems	1
27 05 29 Hangers and Supports for Communications Systems	1
27 05 33 Conduits and Back Boxes for Communications Systems.....	4
27 05 36 Cable Trays for Communications Systems.....	4
27 05 39 Surface Raceways for Communications Systems	4
27 05 43 Underground Ducts and Raceways for Communications Systems	4
27 05 46 Utility Poles for Communications Systems	4
27 05 53 Identification for Communications Systems.....	4
27 08 Commissioning of Communications	4
27 10 Structured Cabling.....	4
27 11 Communications Equipment Room Fittings.....	5
27 13 Communications Backbone Cabling.....	11
27 15 Communications Horizontal Cabling.....	13
27 16 Communications Connecting Cords, Devices, and Adapters	54
27 20 Data Communications	56
27 21 Data Communications Network Equipment	56
27 30 Voice Communications.....	59
27 32 Voice Communications Terminal Equipment.....	59
27 40 Audio-Video Communications	61
27 41 Audio-Video Systems.....	61
27 50 Distributed Communications and Monitoring Systems.....	63
27 51 Distributed Audio-Video Communications Systems	63
27 52 Healthcare Communications and Monitoring Systems	64
27 53 Distributed Systems.....	65

28 Electronic Safety and Security

1

28 05 Common Work Results for Electronic Safety and Security	1
28 05 26 Grounding and Bonding for Electronic Safety and Security.....	1
28 05 53 Identification for Electronic Safety and Security	1

Table of Contents

28 08 Commissioning of Electronic Safety and Security	1
28 10 Access Control	1
28 15 Integrated Access Control Hardware Devices	1
28 16 Access Control Interfaces	1
28 18 Security Access Detection Equipment	17
28 20 Video Surveillance	17
28 21 Surveillance Cameras	17
28 30 Security Detection, Alarm, and Monitoring	37
28 31 Intrusion Detection	37
28 40 Life Safety	38
28 41 Radiation Detection and Alarm	38
28 42 Gas Detection and Alarm	38
28 43 Fuel Oil Detection and Alarm	38
28 46 Fire Detection and Alarm	38
28 47 Mass Notification	89
28 49 Electronic Personal Protection Systems	93

31 Earthwork 1

31 01 Maintenance of Earthwork	1
31 01 20 Maintenance of Earth Moving	1
31 05 Common Work Results for Earthwork	1
31 05 13 Soils for Earthwork	1
31 05 16 Aggregates for Earthwork	2
31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization	5
31 10 Site Clearing	5
31 11 Clearing and Grubbing	5
31 13 Selective Tree and Shrub Removal and Trimming	5
31 20 Earth Moving	8
31 22 Grading	8
31 23 Excavation and Fill	9
31 24 Embankments	16
31 25 Erosion and Sedimentation Controls	18
31 30 Earthwork Methods	22
31 31 Soil Treatment	22
31 32 Soil Stabilization	22
31 35 Slope Protection	32
31 36 Gabions	32
31 37 Riprap	32
31 40 Shoring and Underpinning	32
31 41 Shoring	33
31 43 Concrete Raising	33
31 45 Vibroflotation and Densification	34
31 50 Excavation Support and Protection	34
31 52 Cofferdams	34
31 60 Special Foundations and Load-bearing Elements	34
31 62 Driven Piles	34
31 63 Bored Piles	38
31 64 Caissons	40
31 66 Special Foundation	44
31 68 Foundation Anchors	44

32 Exterior Improvements 1

32 01 Operation and Maintenance of Exterior Improvements	1
32 01 11 Paving Cleaning	1
32 01 13 Flexible Paving Surface Treatment	2
32 01 16 Flexible Paving Rehabilitation	3
32 01 17 Flexible Paving Repair	5
32 01 26 Rigid Paving Rehabilitation	7
32 01 29 Rigid Paving Repair	7
32 01 90 Operation and Maintenance of Planting	8
32 05 Common Work Results for Exterior Improvements	12
32 05 23 Cement and Concrete for Exterior Improvements	12
32 05 33 Common Work Results for Planting	12
32 10 Bases, Ballasts, and Paving	12
32 11 Base Courses	12
32 12 Flexible Paving	14
32 13 Rigid Paving	21

32 14 Unit Paving.....	25
32 15 Aggregate Surfacing	28
32 16 Curbs, Gutters, Sidewalks, and Driveways.....	28
32 17 Paving Specialties.....	39
32 18 Athletic and Recreational Surfacing.....	56
32 30 Site Improvements	63
32 31 Fences and Gates.....	63
32 32 Retaining Walls	145
32 33 Site Furnishings	151
32 35 Screening Devices.....	164
32 39 Manufactured Site Specialties	164
32 80 Irrigation	166
32 84 Planting Irrigation	166
32 90 Planting	184
32 91 Planting Preparation	184
32 92 Turf and Grasses	188
32 93 Plants.....	193
32 94 Planting Accessories.....	232
32 96 Transplanting	236
33 Utilities	1
33 01 Operation and Maintenance of Utilities	1
33 01 10 Operation and Maintenance of Water Utilities	1
33 01 20 Operation and Maintenance of Wells.....	5
33 01 30 Operation and Maintenance of Sewer Utilities.....	5
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems	88
33 01 40 Operation and Maintenance of Stormwater Utilities	88
33 01 70 Operation and Maintenance of Electrical Utilities	90
33 05 Common Work Results for Utilities.....	92
33 05 05 Buried Piping Installation	92
33 05 07 Trenchless Installation of Utility Piping	92
33 05 09 Piping Specials for Utilities	95
33 05 16 Cast-Iron Utility Pipe	95
33 05 17 Copper Utility Pipe and Tubing	95
33 05 19 Ductile-Iron Utility Pipe	95
33 05 24 Steel Utility Pipe.....	95
33 05 27 Corrugated Metal Utility Pipe	95
33 05 31 Thermoplastic Utility Pipe	95
33 05 33 Polyethylene Utility Pipe	95
33 05 39 Concrete Pipe	96
33 05 41 Vitrified Clay Utility Pipe.....	96
33 05 61 Concrete Manholes.....	96
33 05 63 Concrete Vaults and Chambers.....	97
33 05 81 Metallic Castings for Utility Structures	107
33 05 83 Non-Metallic Accessories for Utility Structures	107
33 05 84 Accessories for Utility Structures	108
33 05 97 Identification and Signage for Utilities.....	111
33 10 Water Utilities	112
33 11 Groundwater Sources.....	112
33 14 Water Utility Transmission and Distribution.....	120
33 16 Water Utility Storage Tanks	232
33 19 Water Utility Metering Equipment	232
33 30 Sanitary Sewerage Utilities	233
33 31 Sanitary Sewerage Piping	233
33 32 Sanitary Sewerage Equipment	240
33 34 Onsite Wastewater Disposal.....	240
33 40 Stormwater Utilities	242
33 41 Subdrainage.....	242
33 42 Stormwater Conveyance	245
33 44 Storm Utility Water Drains	308
33 46 Stormwater Management	309
33 50 Hydrocarbon Utilities	311
33 52 Hydrocarbon Transmission and Distribution.....	311
33 53 Hydrocarbon Utility Pressure Regulation.....	313
33 56 Hydrocarbon Storage.....	313
33 59 Hydrocarbon Utility Metering	314
33 60 Hydronic and Steam Energy Utilities.....	314
33 61 Hydronic Energy Distribution	314

Table of Contents

33 70 Electrical Utilities.....	335
33 71 Electrical Utility Transmission and Distribution.....	335
34 Transportation	1
34 01 Operation and Maintenance of Transportation	1
34 01 23 Operation and Maintenance of Railways.....	1
34 01 43 Operation and Maintenance of Bridges.....	1
34 05 Common Work Results for Transportation.....	1
34 05 43 Common Work Results for Bridges	1
34 10 Guideways/Railways	16
34 11 Rail Tracks	16
34 40 Transportation Signaling and Control Equipment	16
34 41 Roadway Signaling and Control Equipment.....	16
34 43 Airfield Signaling and Control Equipment.....	26
34 70 Transportation Construction and Equipment	33
34 71 Roadway Construction	33
34 80 Bridges.....	40
34 82 Bridge Specialties.....	40
35 Waterway and Marine Construction	1
35 05 Common Work Results for Waterway and Marine Construction.....	1
35 05 70 Common Work Results for Dams.....	1
35 20 Waterway and Marine Construction and Equipment.....	1
35 22 Hydraulic Gates	1
35 24 Dredging	4
40 Process Interconnections	1
40 05 Common Work Results For Process Interconnections	1
40 05 19 Ductile Iron Process Pipe.....	1
40 05 23 Stainless Steel Process Pipe and Tubing	232
40 05 41 Glass Process Pipe	265
41 Material Processing and Handling Equipment	1
41 01 Operation and Maintenance of Material Processing and Handling Equipment	1
41 01 20 Operation and Maintenance of Piece Material Handling Equipment.....	1
41 20 Piece Material Handling Equipment.....	1
41 22 Cranes and Hoists.....	1
41 50 Material Storage.....	2
41 53 Storage Equipment and Systems.....	2
43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 05 Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment.....	1
43 05 10 Common Work Results for Gas Handling Equipment	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps	1
43 24 Suspended Liquid Pumps	2
43 40 Gas and Liquid Storage	2
43 42 Pressurized Tanks And Vessels.....	2
46 Water And Wastewater Equipment	1
46 30 Water and Wastewater Chemical Feed Equipment.....	1
46 31 Gas Chemical Feed Equipment	1

About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **San Bernardino County**, priced locally using current labor, material and equipment costs, and published in February 2026.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **San Bernardino County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

Using The Construction Task Catalog®

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

PROJECT RELATED COSTS:

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

- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

PRICE VARIATIONS:

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

SUMMARY:

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

Unit Price	X	Quantity	X	Adjustment Factor

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

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

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

WORKING HEIGHT:

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

Using The Construction Task Catalog®

FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** - Liter, **LOT** - Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** - One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** - One Thousand Gallons, **MI** - Mile, **MLF** - One Thousand Linear Feet, **MO** - Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** - Metric Ton, **MTK** - Metric Ton Kilometer, **M2** - Square Meter, **M3K** - Cubic Meter Kilometer, **NTE** - Note, **OPN** - Opening, **OUT** - Outlet or Output (each), **OZ** - Ounce, **PKG** - Package, **PNT** - Point, **PR** - Pair, **QT** - Quart, **ROL** - Roll (each), **ROM** - Room, **ROW** - Row, **RSR** - Riser (Per Rise), **SEA** - Seat, **SET** - Set, **SF** - Square Foot, **SHT** - Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** - Inches per Square Yard, **TNM** - Tons per Mile, **TON** - Ton, **TRK** - Truck Load, **UI** - United Inch, **UNT** - Unit, **VLF** - Vertical Linear Foot, **WK** - Week, **YD** - Yard, **YR** - Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

Using The Construction Task Catalog®

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

TRADEMARKS

- ☑ Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting Complete Management, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, and DMAP are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{ height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

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



General Requirements			01
Summary			01 10
Summary Of Work			01 11

01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary⁽⁰¹⁾

01 11 Summary Of Work^(01 10)

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

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents 0.00

Note: For specification publishing. Review specifications for requirements.

01 11 19 Purchase Contracts^(01 11)

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

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

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

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

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

01 11 19 00-0004 EA High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant indoor casing. Varifocal 3.4-8.9 mm P-Iris lens with remote zoom and focus (AXIS 02327-001) 703.09
01 11 19 00-0005 EA High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3.4-8.9 mm P-Iris lens with remote zoom and focus (AXIS 02328-001) 816.99
01 11 19 00-0006 EA AXIS P3715-PLVE offers two channels with 2MP per channel, at a frame rate of 30 fps (AXIS 01970-001) 1,052.36
01 11 19 00-0007 EA AXIS P3727-PLE Panoramic Camera offers 4x2 MP with 360 IR coverage (AXIS 02218-001) 1,579.71
01 11 19 00-0008 EA AXIS Q3819-PVE delivers a 180 panoramic overview of extensive areas (AXIS 01819-001) 2,338.99
01 11 19 00-0009 EA PTZ camera with continues 360 pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classic (AXIS 01959-004) 2,898.17
01 11 19 00-0010 EA Chromated and powder coated aluminum wall mount with 1.5 NPS thread for fixed dome pendant kits. Cable routing from behind or through 3/4 conduit hole on the side (AXIS 5504-821) 98.43
Note: Includes mounting plate, pipe seal and conduit hole cover
01 11 19 00-0011 EA Corner Bracket that is compatible with several wall mounts: AXIS T91B61 Wall Mount, AXIS T91D61 Wall Mount 1.5 NPS, AXIS T91G61 Wall Mount, AXIS T91H61 Wall Mount, AXIS T91L61 Wall-and-Pole Mount (AXIS 5017-641) 92.90
01 11 19 00-0012 EA AXIS T94N01D Pendant Kit comprises a weathershield and a mounting adapter for AXIS P3717-PLE Network Camera (AXIS 01513-001) 103.95
01 11 19 00-0013 EA Aluminum wall mount with IP66 compartment to safely accommodate power and connectivity accessories (e.g. PoE midspan). IK10 and NEMA 4X rated in Axis (AXIS 5506-951) 233.03
01 11 19 00-0014 EA Telescopic arm with adjustable length between 783 mm (30.1 in) to 1033 mm (40.7 in) for compensating different parapet thicknesses or obstructive elements on the facade of the building (AXIS 5507-271) 406.28
01 11 19 00-0015 EA Pendant kit for the AXIS Q60-series and AXIS P55-series PTZ Network Cameras, enables mount on standard '1.5 NPT threaded brackets (AXIS 5502-431) 57.70
01 11 19 00-0016 EA PowerEdge R740XD2 Server, Dual Intel Xeon Silver 4215 2.5G, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400, 32GB RDIMM, (21) 12TB hard drives, Dual 10GbT BaseTuplinks, Dual hot plug redundant power supplies (1100W), Windows Server 2022 Standard, ProSupport: 3 Years Next Business Day On-Site Service (Dell R740XD2-252TB) 25,377.96
01 11 19 00-0017 EA SMART-UPS 3000VA LCD RM 2U 120 (APC 2G-SMT3000RU) 2,979.28
01 11 19 00-0018 EA Security Center Active Directory Integration (users and cardholders) (Genetec GSC-1AD-USCH) 1,595.72
01 11 19 00-0019 EA GSC Omnicast™ Professional Package (Genetec GSC-Om-P) 1,268.70
Note: Includes: Archiving support, Media Router, Audio, Remote Security Desk, Camera Sequences, Camera Blocking, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 250 cameras, Max. 10 clients, Max. 20 Archivers
01 11 19 00-0020 EA 1 camera connection (Genetec GSC-Om-P-1C) 258.13
01 11 19 00-0021 EA Genetec™ Advantage for 1 Omnicast™ Pro Camera 1 year (Genetec ADV-CAM-P-1Y) 44.91
01 11 19 00-0022 EA Aruba 6000 24G CL4 4SFP Switch U.S. (Hewlett Packard Company HPE-R8N87A#ABA) 4,452.66
01 11 19 00-0023 EA 23-4P Unshielded Solid Plenum Cat6 Grn Jkt (Windy City Wire 5566060) 495.13
01 11 19 00-0024 EA DELLWORKSTATION (Dell DELLWORKSTATION) 4,289.04
01 11 19 00-0025 EA 32 FHD IPS PANEL TECH 400 (LG ELECTRONICS CE-32SM5JB) 1,067.98
01 11 19 00-0026 EA K1 WALL MNT DUAL DISP 2L ARM H (CHIEF / MILESTONE CJ-K1W22HB) 435.41

01 20 Price and Payment Procedures⁽⁰¹⁾

01 22 Unit Prices^(01 20)

01 22 16 Unit Price Payment^(01 22)

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 16 00-0001		Reimbursable Fees ^(01 22 16) Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.		
01 22 16 00-0002	EA	Reimbursable Fees.....	1.00	
		Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.		
01 22 20		Wage Rates ^(01 22)		
01 22 20 00-0001		Local Labor/Wage Rates ^(01 22 20) Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.		
01 22 20 00-0002	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	109.01	
		For Apprentice, Deduct	-21.80	
01 22 20 00-0003	HR	Insulator..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	115.29	
		For Apprentice, Deduct	-23.06	
01 22 20 00-0004	HR	Boilermaker..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.57	
		For Apprentice, Deduct	-24.51	
01 22 20 00-0005	HR	Brick Layer..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	102.31	
		For Apprentice, Deduct	-20.46	
01 22 20 00-0006	HR	Carpenter..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	113.82	
		For Apprentice, Deduct	-22.76	
01 22 20 00-0007	HR	Carpenter, Bridge Builder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	119.27	
		For Apprentice, Deduct	-23.85	
		For Foreperson, Add	5.96	
01 22 20 00-0008	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.64	
		For Apprentice, Deduct	-19.13	
01 22 20 00-0009	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	98.66	
		For Apprentice, Deduct	-19.73	
01 22 20 00-0010	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	107.67	
		For Apprentice, Deduct	-21.53	
01 22 20 00-0011	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	136.76	
		For Apprentice, Deduct	-27.35	
01 22 20 00-0012	HR	Electrician, Cable Splicer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	142.12	
		For Apprentice, Deduct	-28.42	
		For Foreperson, Add	7.11	
01 22 20 00-0013	HR	Communication And System Technician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.97	
		For Apprentice, Deduct	-17.39	
01 22 20 00-0014	HR	Equipment Operator, Crane Group 3 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	131.34	
		For Foreperson, Add	6.57	
01 22 20 00-0015	HR	Equipment Operator, Crane Group 5 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	131.86	
		For Foreperson, Add	6.59	
01 22 20 00-0016	HR	Equipment Operator, Crane Group 7 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	132.20	
		For Foreperson, Add	6.61	
01 22 20 00-0017	HR	Equipment Operator, Crane Group 8 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	132.44	
		For Foreperson, Add	6.62	
01 22 20 00-0018	HR	Equipment Operator, Crane Group 9 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	132.69	
		For Foreperson, Add	6.63	
01 22 20 00-0019	HR	Equipment Operator, Crane Group 10 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	134.15	
		For Foreperson, Add	6.71	
01 22 20 00-0020	HR	Equipment Operator, Crane Group 11 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	135.61	
		For Foreperson, Add	6.78	
01 22 20 00-0021	HR	Equipment Operator, Crane Group 12 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	137.07	
		For Foreperson, Add	6.85	
01 22 20 00-0022	HR	Equipment Operator, Crane Group 13 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	138.52	
		For Foreperson, Add	6.93	
01 22 20 00-0023	HR	Equipment Operator, Group 2 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	128.94	
		For Apprentice, Deduct	-25.79	
		For Foreperson, Add	6.45	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0024	HR	Equipment Operator, Group 3.....	129.37	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-25.87	
		For Foreperson, Add	6.47	
01 22 20 00-0025	HR	Equipment Operator, Group 4.....	131.54	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.31	
01 22 20 00-0026	HR	Equipment Operator, Group 6.....	131.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.37	
		For Foreperson, Add	6.59	
01 22 20 00-0027	HR	Equipment Operator, Group 8.....	132.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.40	
01 22 20 00-0028	HR	Equipment Operator, Group 10.....	132.20	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.44	
		For Foreperson, Add	6.61	
01 22 20 00-0029	HR	Equipment Operator, Group 12.....	132.44	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.49	
		For Foreperson, Add	6.62	
01 22 20 00-0030	HR	Glazier	118.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-23.77	
01 22 20 00-0031	HR	Laborer	104.01	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0032	HR	Lather	105.48	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-21.10	
01 22 20 00-0033	HR	Marble Setter	102.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.46	
01 22 20 00-0034	HR	Millwright.....	106.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-21.31	
01 22 20 00-0035	HR	Mold Removal Worker	108.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-21.71	
		For Foreperson, Add	5.43	
01 22 20 00-0036	HR	Painter, Ordinary.....	86.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-17.28	
01 22 20 00-0037	HR	Painter, Structural Steel.....	93.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-18.63	
01 22 20 00-0038	HR	Paperhanger	86.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-17.28	
01 22 20 00-0039	HR	Pile Drivers	112.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-22.54	
01 22 20 00-0040	HR	Plasterer	106.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-21.25	
01 22 20 00-0041	HR	Plumber	119.22	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-23.84	
01 22 20 00-0042	HR	Powderman	113.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-22.76	
01 22 20 00-0043	HR	Rodman (Reinforcing)/Ornamental Steel Worker	109.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-21.99	
01 22 20 00-0044	HR	Roofer, Composite.....	135.06	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-27.01	
01 22 20 00-0045	HR	Roofer, Metal	161.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-32.36	
		For Foreperson, Add	8.09	
01 22 20 00-0046	HR	Roofer, Tile/Slate	131.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.28	
01 22 20 00-0047	HR	Sheet Metal Worker.....	131.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-26.26	
01 22 20 00-0048	HR	Sprinkler Installer.....	118.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-23.78	
01 22 20 00-0049	HR	Steam / Pipe Fitter	119.22	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-23.84	
01 22 20 00-0050	HR	Stone Mason.....	102.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.46	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0051	HR	Structural Steel Worker.....	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-22.67	
01 22 20 00-0052	HR	Tile Layer.....	99.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-19.82	
01 22 20 00-0053	HR	Terrazzo Worker.....	91.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-18.26	
01 22 20 00-0054	HR	Truck Driver, Group 2.....	99.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-19.89	
01 22 20 00-0055	HR	Truck Driver, Group 3.....	99.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-19.93	
		For Foreperson, Add	4.98	
01 22 20 00-0056	HR	Truck Driver, Group 4.....	99.93	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-19.99	
		For Foreperson, Add	5.00	
01 22 20 00-0057	HR	Truck Driver, Group 5.....	99.98	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.00	
		For Foreperson, Add	5.00	
01 22 20 00-0058	HR	Truck Driver, Group 6.....	100.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.00	
01 22 20 00-0059	HR	Truck Driver, Group 7.....	100.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.08	
01 22 20 00-0060	HR	Truck Driver, Group 8.....	100.77	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.15	
		For Foreperson, Add	5.04	
01 22 20 00-0061	HR	Truck Driver, Group 9.....	101.07	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-20.21	
		For Foreperson, Add	5.05	
01 22 20 00-0062	HR	Class I Diver.....	223.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063	HR	Class III Diver Tender.....	124.44	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0064	HR	Welder.....	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	-22.67	
		For Foreperson, Add	5.67	
01 22 20 00-0065	HR	D1 Certified Welder.....	133.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0066 Rates For Services (01 22 20)				
01 22 20 00-0067	HR	Watch/Guard Person, Unarmed.....	39.16	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0068	HR	Watch/Guard Person, Armed.....	48.08	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0069	HR	Senior Surveyor, Party Chief.....	139.21	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0070	HR	Surveyor, Instrument Person.....	128.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0071	HR	Surveyor, Rod Person.....	127.26	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0072	HR	On-Site Certified Materials Testing Technician.....	87.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0073	HR	Certified Industrial Hygienist.....	120.08	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0074	MI	Mileage For Professional Services (Engineering, Surveying, etc.).....	0.70	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0075	HR	Fire Watch Laborer.....	104.01	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0076 Rates For Project Management Services (01 22 20)				
		Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0077	HR	Project Manager.....	160.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		



General Requirements			01	10
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0078		Rates For Architectural And Engineering Services (01 22 20) Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0079	HR	Principal Architect.....	243.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0080	HR	Senior Architect.....	179.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0081	HR	Architect.....	140.62	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0082	HR	Principal Engineer.....	210.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0083	HR	Senior Engineer.....	174.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0084	HR	Engineer.....	137.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0085	HR	Draft Person.....	71.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0086		Rates For Traffic Control (01 22 20)		
01 22 20 00-0087	HR	Flagperson For Traffic Control.....	104.01	
01 22 20 00-0088		Mobilize Equipment (01 22 20)		
01 22 20 00-0089	HR	Escort Vehicle With Driver.....	114.46	
01 22 20 00-0090	HR	Transport Vehicle With Driver.....	143.66	
01 22 20 00-0091		Diver Rates (01 22 20)		
01 22 20 00-0092	DAY	Four Person Dive Team (Up To Fifty Feet) With No Decompression Chamber.....	5,563.36	
		Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.		
01 22 20 00-0093	DAY	Eight Person Dive Team (Up To Two Hundred Feet) With Decompression Chamber.....	10,363.36	
		Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.		
01 22 20 00-0094	DAY	Decompression Chamber And 5120 Air Compressor.....	1,556.22	
01 22 20 00-0095	DAY	Decompression Chamber Stand-By.....	707.38	
01 22 20 00-0096	NPP	HP Air Bottles.....	1.00	
		Note: Reimbursible to be billed at cost plus 15%		
01 22 20 00-0097	NPP	Oxygen Bottles.....	1.00	
		Note: Reimbursible to be billed at cost plus 15%		
01 22 20 00-0098	NPP	Nitrox Bottles.....	1.00	
		Note: Reimbursible to be billed at cost plus 15%		
01 22 20 00-0099	DAY	Mixed Gas Console.....	141.48	
01 22 20 00-0100	DAY	Bail Out System.....	353.69	
01 22 20 00-0101	DAY	Explosive Meter.....	127.33	
01 22 20 00-0102	DAY	200 Amperes, Welding Machine With Leads.....	262.46	
01 22 20 00-0103	DAY	400 Amperes, Welding Machine With Leads.....	364.72	
01 22 20 00-0104	DAY	Topside Burning Rig.....	141.48	
01 22 20 00-0105	DAY	Underwater Burning Rig.....	254.66	
01 22 20 00-0106	DAY	Underwater Welding Rig.....	396.13	
01 22 20 00-0107	EA	Underwater Burning Rods.....	11.04	
01 22 20 00-0108	EA	Underwater Welding Rods.....	5.38	
01 22 20 00-0109	NPP	Oxygen / Acetylene.....	1.00	
		Note: Reimbursible to be billed at cost plus 15%		
01 22 20 00-0110	DAY	2,000 Watt Generator.....	83.29	
01 22 20 00-0111	DAY	3,000 Watt Generator.....	95.32	
01 22 20 00-0112	DAY	50 KW Generator.....	682.14	
01 22 20 00-0113	DAY	Hydraulic Unit.....	282.95	
01 22 20 00-0114	DAY	Hydraulic Tools.....	113.18	
01 22 20 00-0115	DAY	Pneumatic Tools.....	70.74	
01 22 20 00-0116	NPP	Concrete Chain Saw Blades.....	1.00	
		Note: Reimbursible to be billed at cost plus 15%		
01 22 20 00-0117	DAY	Roto Drill.....	113.18	
01 22 20 00-0118	DAY	Underwater Video Equipment And Monitor.....	553.81	
01 22 20 00-0119	DAY	Air Compressor <180 CFM.....	324.85	
01 22 20 00-0120	DAY	Air Compressor >180 CFM.....	515.37	
01 22 20 00-0121	DAY	3" Trash Pump.....	179.94	
01 22 20 00-0122	DAY	4" Submersible Pump.....	201.22	
01 22 20 00-0123	DAY	6" Submersible Pump.....	406.31	
01 22 20 00-0124	DAY	6" Diesel Pump.....	435.33	
01 22 20 00-0125	DAY	Each 20' Lengths Of Suction Hose.....	21.44	
01 22 20 00-0126	DAY	Each 20' Lengths Of Discharge Hose.....	21.44	
01 22 20 00-0127	DAY	4 Ton Flatbed Trailer With Sides.....	205.75	
01 22 20 00-0128	DAY	Equipment Storage Trailer.....	50.92	
01 22 20 00-0129	DAY	Equipment Vehicle.....	261.48	
01 22 20 00-0130	DAY	Dive Boat.....	1,131.80	
01 22 20 00-0131	DAY	Jon Boat.....	113.18	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 Equipment Usage (01 22)

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0086 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

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

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

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)**01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform** (01 22 23 00-0003)

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

01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	434.68
	For Four-Wheel Drive, Add	97.80
	For Half Day Usage, Deduct	-135.84
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform	1,093.72
	For Four-Wheel Drive, Add	246.09
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform	2,453.85
	For Four-Wheel Drive, Add	552.12
	For >6 Months (>26 Weeks), Deduct	-98.15
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform	638.00
	For Four-Wheel Drive, Add	143.55
	For Half Day Usage, Deduct	-199.38
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform	1,521.39
	For Four-Wheel Drive, Add	342.31
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform	3,330.22
	For Four-Wheel Drive, Add	749.30
	For >6 Months (>26 Weeks), Deduct	-133.21
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform	1,240.95
	For Four-Wheel Drive, Add	279.21
	For Half Day Usage, Deduct	-387.80
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform	3,007.72
	For Four-Wheel Drive, Add	676.74
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform	6,309.90
	For Four-Wheel Drive, Add	1,419.73
	For >6 Months (>26 Weeks), Deduct	-252.40
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform	1,766.77
	For Four-Wheel Drive, Add	397.52
	For Half Day Usage, Deduct	-552.12
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform	4,254.27
	For Four-Wheel Drive, Add	957.21
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform	10,600.63
	For Four-Wheel Drive, Add	2,385.14
	For >6 Months (>26 Weeks), Deduct	-424.03
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform	2,152.38
	For Four-Wheel Drive, Add	484.29
	For Half Day Usage, Deduct	-672.62
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform	5,489.61
	For Four-Wheel Drive, Add	1,235.16
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform	12,479.58
	For Four-Wheel Drive, Add	2,807.91
	For >6 Months (>26 Weeks), Deduct	-499.18

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)**01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform** (01 22 23 00-0020)

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

01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	401.61
	For Half Day Usage, Deduct	-125.50
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,007.68
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,424.26
	For >6 Months (>26 Weeks), Deduct	-96.97
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	511.14
	For Half Day Usage, Deduct	-159.73
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,117.21
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,773.30
	For >6 Months (>26 Weeks), Deduct	-110.93
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	657.18
	For Half Day Usage, Deduct	-205.37
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,518.82
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,395.43
	For >6 Months (>26 Weeks), Deduct	-135.82
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,146.41
	For Half Day Usage, Deduct	-358.25
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,701.74
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,570.34
	For >6 Months (>26 Weeks), Deduct	-262.81
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,227.11
	For Half Day Usage, Deduct	-695.97



General Requirements			01	10
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0035	WK	125'	Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,257.44	
01 22 23 00-0036	MO	125'	Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	12,851.52	
			For >6 Months (>26 Weeks), Deduct	-514.06	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)					
			Note: For use on paved surfaces.		
01 22 23 00-0038	DAY	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	401.61	
			For Half Day Usage, Deduct	-125.50	
01 22 23 00-0039	WK	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,007.68	
01 22 23 00-0040	MO	30'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,424.26	
			For >6 Months (>26 Weeks), Deduct	-96.97	
01 22 23 00-0041	DAY	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	401.61	
			For Half Day Usage, Deduct	-125.50	
01 22 23 00-0042	WK	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,007.68	
01 22 23 00-0043	MO	35'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,424.26	
			For >6 Months (>26 Weeks), Deduct	-96.97	
01 22 23 00-0044	DAY	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	496.54	
			For Half Day Usage, Deduct	-155.17	
01 22 23 00-0045	WK	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,073.39	
01 22 23 00-0046	MO	40'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,665.23	
			For >6 Months (>26 Weeks), Deduct	-106.61	
01 22 23 00-0047	DAY	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	496.54	
			For Half Day Usage, Deduct	-155.17	
01 22 23 00-0048	WK	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,073.39	
01 22 23 00-0049	MO	45'	Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,665.23	
			For >6 Months (>26 Weeks), Deduct	-106.61	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)					
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)					
			Note: For use on paved surfaces.		
01 22 23 00-0052	DAY	17'	Electric, Scissor Platform Lift	170.72	
			For Half Day Usage, Deduct	-53.35	
01 22 23 00-0053	WK	17'	Electric, Scissor Platform Lift	341.44	
01 22 23 00-0054	MO	17'	Electric, Scissor Platform Lift	698.40	
			For >6 Months (>26 Weeks), Deduct	-27.94	
01 22 23 00-0055	DAY	20'	Electric, Scissor Platform Lift	186.24	
			For Half Day Usage, Deduct	-58.20	
01 22 23 00-0056	WK	20'	Electric, Scissor Platform Lift	372.48	
01 22 23 00-0057	MO	20'	Electric, Scissor Platform Lift	744.96	
			For >6 Months (>26 Weeks), Deduct	-29.80	
01 22 23 00-0058	DAY	25'	Electric, Scissor Platform Lift	240.56	
			For Half Day Usage, Deduct	-75.18	
01 22 23 00-0059	WK	25'	Electric, Scissor Platform Lift	481.12	
01 22 23 00-0060	MO	25'	Electric, Scissor Platform Lift	1,032.08	
			For >6 Months (>26 Weeks), Deduct	-41.28	
01 22 23 00-0061	DAY	30'	Electric, Scissor Platform Lift	310.40	
			For Half Day Usage, Deduct	-97.00	
01 22 23 00-0062	WK	30'	Electric, Scissor Platform Lift	613.04	
01 22 23 00-0063	MO	30'	Electric, Scissor Platform Lift	1,358.00	
			For >6 Months (>26 Weeks), Deduct	-54.32	
01 22 23 00-0064	DAY	33'	Electric, Scissor Platform Lift	333.68	
			For Half Day Usage, Deduct	-104.28	
01 22 23 00-0065	WK	33'	Electric, Scissor Platform Lift	651.84	
01 22 23 00-0066	MO	33'	Electric, Scissor Platform Lift	1,474.40	
			For >6 Months (>26 Weeks), Deduct	-58.98	
01 22 23 00-0067	DAY	40'	Electric, Scissor Platform Lift	434.56	
			For Half Day Usage, Deduct	-135.80	
01 22 23 00-0068	WK	40'	Electric, Scissor Platform Lift	1,078.64	
01 22 23 00-0069	MO	40'	Electric, Scissor Platform Lift	3,003.12	
			For >6 Months (>26 Weeks), Deduct	-120.12	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)					
			Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY	25'	Engine Powered, Scissor Platform Lift	377.08	
			For Four-Wheel Drive, Add	75.42	
			For Half Day Usage, Deduct	-117.84	
01 22 23 00-0072	WK	25'	Engine Powered, Scissor Platform Lift	737.40	
			For Four-Wheel Drive, Add	147.48	
01 22 23 00-0073	MO	25'	Engine Powered, Scissor Platform Lift	1,801.59	
			For Four-Wheel Drive, Add	360.32	
			For >6 Months (>26 Weeks), Deduct	-72.06	
01 22 23 00-0074	DAY	33'	Engine Powered, Scissor Platform Lift	385.46	
			For Four-Wheel Drive, Add	77.09	
			For Half Day Usage, Deduct	-120.46	
01 22 23 00-0075	WK	33'	Engine Powered, Scissor Platform Lift	879.85	
			For Four-Wheel Drive, Add	175.97	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	1,927.28 385.46 -77.09	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	427.35 85.47 -133.55	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	980.40 196.08	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	2,178.67 435.73 -87.15	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	452.49 90.50 -141.40	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,055.82 211.16	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	2,597.64 519.53 -103.91	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For Half Day Usage, Deduct</i>	846.33 169.27 -264.48	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,860.25 372.05	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	4,575.21 915.04 -183.01	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)				
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.				
01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	121.36 -37.93	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	343.87	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	694.48 -27.78	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	168.56 -52.68	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	357.35	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	1,213.65 -48.55	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	283.18 -88.49	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	687.74	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	2,009.26 -80.37	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	303.41 -94.82	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	755.16	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	2,272.22 -90.89	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	161.82 -50.57	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	323.64	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	647.28 -25.89	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift <i>For Half Day Usage, Deduct</i>	161.82 -50.57	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	323.64	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift <i>For >6 Months (>26 Weeks), Deduct</i>	672.90 -26.92	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)				
Note: Includes full-time operator, delivery, and removal.				
01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,499.14 -800.20 -618.52	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,097.81 -4,000.99	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	22,674.98 -17,337.62 -213.49	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,588.10 -800.20 -646.32	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,383.74 -4,000.99	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	23,437.46 -17,337.62 -243.99	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,816.84 -800.20 -717.80	



General Requirements		01	10
Price and Payment Procedures		01 20	
Unit Prices		01 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,796.75	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	24,327.02	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-279.58	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,325.16	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-876.65	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	8,448.79	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	28,774.82	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-457.49	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,579.32	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-956.08	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	9,338.35	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	31,951.82	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-584.57	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,706.40	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-995.79	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,719.59	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	32,256.81	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-596.77	
01 22 23 00-0124		Air Equipment (01 22 23)		
01 22 23 00-0125		Air Compressors (01 22 23 00-0124)		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	183.19	
		For Half Day Usage, Deduct	-57.25	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	549.56	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,526.56	
		For >6 Months (>26 Weeks), Deduct	-61.06	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	219.82	
		For Half Day Usage, Deduct	-68.69	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	647.26	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,831.88	
		For >6 Months (>26 Weeks), Deduct	-73.28	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	293.10	
		For Half Day Usage, Deduct	-91.59	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	659.48	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,453.29	
		For >6 Months (>26 Weeks), Deduct	-58.13	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	415.22	
		For Half Day Usage, Deduct	-129.76	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	1,050.28	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,503.56	
		For >6 Months (>26 Weeks), Deduct	-100.14	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	923.26	
		For Half Day Usage, Deduct	-288.52	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,222.68	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,539.59	
		For >6 Months (>26 Weeks), Deduct	-221.58	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,111.34	
		For Half Day Usage, Deduct	-347.29	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,735.60	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,716.88	
		For >6 Months (>26 Weeks), Deduct	-268.68	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,111.34	
		For Half Day Usage, Deduct	-347.29	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,735.60	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,716.88	
		For >6 Months (>26 Weeks), Deduct	-268.68	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,294.52	
		For Half Day Usage, Deduct	-404.54	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,901.69	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,737.84	
		For >6 Months (>26 Weeks), Deduct	-309.51	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,612.05	
		For Half Day Usage, Deduct	-503.77	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,627.11	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	9,672.30	
		For >6 Months (>26 Weeks), Deduct	-386.89	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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

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

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	102.65	
		<i>For Half Day Usage, Deduct</i>	-32.08	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	421.59	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,273.94	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-50.96	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	15.25	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	30.40	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	142.06	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines.....	2.50	

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

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

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	66.20	
		<i>For Half Day Usage, Deduct</i>	-20.69	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	275.17	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	761.71	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-30.47	
01 22 23 00-0165	DAY	>1,000 To 2,000 CFM, Portable Air Scrubber.....	83.75	
		<i>For Half Day Usage, Deduct</i>	-26.17	
01 22 23 00-0166	WK	>1,000 To 2,000 CFM, Portable Air Scrubber.....	346.96	
01 22 23 00-0167	MO	>1,000 To 2,000 CFM, Portable Air Scrubber.....	1,016.94	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-40.68	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber.....	107.68	
		<i>For Half Day Usage, Deduct</i>	-33.65	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber.....	458.62	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber.....	1,284.14	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-51.37	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	20.03	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	26.41	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	237.78	

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

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

01 22 23 00-0175	DAY	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74).....	297.66	
		<i>For Half Day Usage, Deduct</i>	-93.02	
01 22 23 00-0176	WK	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74).....	971.85	
01 22 23 00-0177	MO	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74).....	3,180.15	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-127.21	

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

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

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

01 22 23 00-0181	DAY	10' Wide Paving Machine With Full-Time Operator	4,611.74	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-1,639.20	
01 22 23 00-0182	WK	10' Wide Paving Machine With Full-Time Operator	19,503.09	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0183	MO	10' Wide Paving Machine With Full-Time Operator	73,678.26	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-2,031.79	

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

01 22 23 00-0185	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,380.67	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-629.49	
01 22 23 00-0186	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,262.30	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0187	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,547.91	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-106.57	
01 22 23 00-0188	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,505.92	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-668.63	
01 22 23 00-0189	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,193.68	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0190 MO 15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	26,954.09 -22,883.59 -162.82	
01 22 23 00-0191 DAY 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,511.61 -1,056.17 -670.41	
01 22 23 00-0192 WK 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator For Equipment Without Operator, Deduct	6,823.63 -5,280.83	
01 22 23 00-0193 MO 30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,227.35 -22,883.59 -173.75	
01 22 23 00-0194 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0179)		
01 22 23 00-0195 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,431.91 -1,056.17 -645.50	
01 22 23 00-0196 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct	6,322.65 -5,280.83	
01 22 23 00-0197 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	25,895.19 -22,883.59 -120.46	
01 22 23 00-0198 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,671.01 -1,056.17 -720.22	
01 22 23 00-0199 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct	6,806.55 -5,280.83	
01 22 23 00-0200 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,420.91 -22,883.59 -181.49	
01 22 23 00-0201 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,727.94 -1,056.17 -738.01	
01 22 23 00-0202 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct	7,165.21 -5,280.83	
01 22 23 00-0203 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,422.88 -22,883.59 -221.57	
01 22 23 00-0204 Towed, Padfoot Rollers (01 22 23 00-0179)		
01 22 23 00-0205 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller For Half Day Usage, Deduct	108.17 -33.80	
01 22 23 00-0206 WK 48" Wide, 40" Diameter, Towed Padfoot Roller For >6 Months (>26 Weeks), Deduct	313.12 -36.89	
01 22 23 00-0207 MO 48" Wide, 40" Diameter, Towed Padfoot Roller For >6 Months (>26 Weeks), Deduct	922.27 -36.89	
01 22 23 00-0208 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller For Half Day Usage, Deduct	136.63 -42.70	
01 22 23 00-0209 WK 60" Wide, 60" Diameter, Towed Padfoot Roller For >6 Months (>26 Weeks), Deduct	381.43 -1,622.50 -64.90	
01 22 23 00-0211 Static Rollers (01 22 23 00-0179)		
01 22 23 00-0212 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,460.37 -1,056.17 -654.40	
01 22 23 00-0213 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct	6,567.45 -5,280.83	
01 22 23 00-0214 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	26,697.90 -22,883.59 -152.57	
01 22 23 00-0215 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,585.62 -1,056.17 -693.54	
01 22 23 00-0216 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct	6,909.03 -5,280.83	
01 22 23 00-0217 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,642.94 -22,883.59 -190.37	
01 22 23 00-0218 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0179)		
01 22 23 00-0219 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,278.20 -1,056.17 -597.47	
01 22 23 00-0220 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct	5,929.83 -5,280.83	
01 22 23 00-0221 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	24,591.49 -22,883.59 -68.32	
01 22 23 00-0222 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,363.59 -1,056.17 -624.15	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0223 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,186.02 -5,280.83	
01 22 23 00-0224 MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,274.65 -22,883.59 -95.64	
01 22 23 00-0225 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,420.52 -1,056.17 -641.94	
01 22 23 00-0226 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,356.81 -5,280.83	
01 22 23 00-0227 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,730.09 -22,883.59 -113.86	
01 22 23 00-0228 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,494.53 -1,056.17 -665.07	
01 22 23 00-0229 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,573.14 -5,280.83	
01 22 23 00-0230 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,293.70 -22,883.59 -136.40	
01 22 23 00-0231 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,642.55 -1,056.17 -711.33	
01 22 23 00-0232 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,005.81 -5,280.83	
01 22 23 00-0233 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	27,437.99 -22,883.59 -182.18	
01 22 23 00-0234 Steel Roadway Plates (01 22 23 00-0178)		
Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0235 for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0235 EA Placement And Removal Of Steel Roadway Plates.....	63.44	
01 22 23 00-0236 DAY 1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0237 WK 1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0238 MO 1" x 4' x 8' Steel Plate	139.47	
<i>For >6 Months (>26 Weeks), Deduct</i>	-5.58	
01 22 23 00-0239 DAY 1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0240 WK 1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0241 MO 1" x 4' x 10' Steel Plate	164.58	
<i>For >6 Months (>26 Weeks), Deduct</i>	-6.58	
01 22 23 00-0242 DAY 1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0243 WK 1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0244 MO 1" x 5' x 10' Steel Plate	374.04	
<i>For >6 Months (>26 Weeks), Deduct</i>	-14.96	
01 22 23 00-0245 DAY 1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0246 WK 1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0247 MO 1" x 6' x 8' Steel Plate	239.39	
<i>For >6 Months (>26 Weeks), Deduct</i>	-9.58	
01 22 23 00-0248 DAY 1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0249 WK 1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0250 MO 1" x 6' x 10' Steel Plate	263.07	
<i>For >6 Months (>26 Weeks), Deduct</i>	-10.52	
01 22 23 00-0251 DAY 1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0252 WK 1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0253 MO 1" x 6' x 12' Steel Plate	362.82	
<i>For >6 Months (>26 Weeks), Deduct</i>	-14.51	
01 22 23 00-0254 DAY 1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0255 WK 1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0256 MO 1" x 8' x 10' Steel Plate	395.24	
<i>For >6 Months (>26 Weeks), Deduct</i>	-15.81	
01 22 23 00-0257 DAY 1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0258 WK 1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0259 MO 1" x 8' x 12' Steel Plate	718.16	
<i>For >6 Months (>26 Weeks), Deduct</i>	-28.73	
01 22 23 00-0260 DAY 1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0261 WK 1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0262 MO 1" x 8' x 16' Steel Plate	957.54	
<i>For >6 Months (>26 Weeks), Deduct</i>	-38.30	
01 22 23 00-0263 DAY 1-1/4" x 8' x 10' Steel Plate	79.30	
01 22 23 00-0264 WK 1-1/4" x 8' x 10' Steel Plate	178.04	
01 22 23 00-0265 MO 1-1/4" x 8' x 10' Steel Plate	474.28	
<i>For >6 Months (>26 Weeks), Deduct</i>	-18.97	
01 22 23 00-0266 DAY 1-1/2" x 8' x 15' Steel Plate	183.53	
01 22 23 00-0267 WK 1-1/2" x 8' x 15' Steel Plate	412.94	
01 22 23 00-0268 MO 1-1/2" x 8' x 15' Steel Plate	1,101.17	
<i>For >6 Months (>26 Weeks), Deduct</i>	-44.05	
01 22 23 00-0269 LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.83	1.27
01 22 23 00-0270 EA Removal And Resetting Of Steel Roadway Plate	35.24	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0271		Street Sweepers (01 22 23 00-0178) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0272	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,258.62 -1,052.32 -590.63	
01 22 23 00-0273	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator..... For Equipment Without Operator, Deduct	6,079.07 -5,261.58	
01 22 23 00-0274	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	25,712.72 -22,800.18 -116.50	
01 22 23 00-0275	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,825.84 -1,052.32 -1,080.39	
01 22 23 00-0276	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. For Equipment Without Operator, Deduct	12,365.44 -5,261.58	
01 22 23 00-0277	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	48,152.15 -22,800.18 -1,014.08	
01 22 23 00-0278		Earthmoving Equipment (01 22 23)		
01 22 23 00-0279		Skid-Steer Loaders (01 22 23 00-0278) Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0280	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,406.37 -1,052.32 -636.80	
01 22 23 00-0281	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	6,190.42 -5,261.58	
01 22 23 00-0282	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	25,037.09 -22,800.18 -89.48	
01 22 23 00-0283	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,499.70 -1,052.32 -665.97	
01 22 23 00-0284	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct	6,359.30 -5,261.58	
01 22 23 00-0285	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	25,407.44 -22,800.18 -104.29	
01 22 23 00-0286	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,526.37 -1,052.32 -674.30	
01 22 23 00-0287	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct	6,602.25 -5,261.58	
01 22 23 00-0288	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	26,051.85 -22,800.18 -130.07	
01 22 23 00-0289	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,630.07 -1,052.32 -706.71	
01 22 23 00-0290	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	6,942.97 -5,261.58	
01 22 23 00-0291	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,177.72 -22,800.18 -175.10	
01 22 23 00-0292	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,807.83 -1,052.32 -762.26	
01 22 23 00-0293	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct	7,617.01 -5,261.58	
01 22 23 00-0294	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,836.88 -22,800.18 -241.47	
01 22 23 00-0295	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders..... For Half Day Usage, Deduct	296.28 -92.59	
01 22 23 00-0296	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders.....	985.13	
01 22 23 00-0297	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders..... For >6 Months (>26 Weeks), Deduct	2,622.08 -104.88	
01 22 23 00-0298	DAY	Forklift Attachment For Skid-Steer Loaders..... For Half Day Usage, Deduct	63.70 -19.91	
01 22 23 00-0299	WK	Forklift Attachment For Skid-Steer Loaders.....	170.36	
01 22 23 00-0300	MO	Forklift Attachment For Skid-Steer Loaders..... For >6 Months (>26 Weeks), Deduct	481.46 -19.26	
01 22 23 00-0301	DAY	Backhoe Attachment For Skid-Steer Loaders..... For Half Day Usage, Deduct	140.73 -43.98	
01 22 23 00-0302	WK	Backhoe Attachment For Skid-Steer Loaders.....	337.76	
01 22 23 00-0303	MO	Backhoe Attachment For Skid-Steer Loaders..... For >6 Months (>26 Weeks), Deduct	839.95 -33.60	
01 22 23 00-0304	DAY	Broom Attachment For Skid-Steer Loaders..... For Half Day Usage, Deduct	139.25 -43.52	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0305	WK	Broom Attachment For Skid-Steer Loaders	377.76	
01 22 23 00-0306	MO	Broom Attachment For Skid-Steer Loaders	999.94	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-40.00	
01 22 23 00-0307	DAY	Concrete Pump Attachment For Skid-Steer Loaders	296.28	
		<i>For Half Day Usage, Deduct</i>	-92.59	
01 22 23 00-0308	WK	Concrete Pump Attachment For Skid-Steer Loaders	985.13	
01 22 23 00-0309	MO	Concrete Pump Attachment For Skid-Steer Loaders	2,622.08	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-104.88	
01 22 23 00-0310	DAY	Auger Attachment For Skid-Steer Loaders	121.47	
		Note: Excludes bits and extensions		
		<i>For Half Day Usage, Deduct</i>	-37.96	
01 22 23 00-0311	WK	Auger Attachment For Skid-Steer Loaders	334.80	
		Note: Excludes bits and extensions		
01 22 23 00-0312	MO	Auger Attachment For Skid-Steer Loaders	914.02	
		Note: Excludes bits and extensions		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-36.56	
01 22 23 00-0313	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	33.48	
		Note: Excludes auger attachment		
		<i>For Half Day Usage, Deduct</i>	-10.46	
01 22 23 00-0314	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	87.60	
		Note: Excludes auger attachment		
01 22 23 00-0315	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	257.63	
		Note: Excludes auger attachment		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-10.31	
01 22 23 00-0316	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	45.08	
		Note: Excludes auger attachment		
		<i>For Half Day Usage, Deduct</i>	-14.09	
01 22 23 00-0317	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	112.07	
		Note: Excludes auger attachment		
01 22 23 00-0318	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers	334.93	
		Note: Excludes auger attachment		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-13.40	
01 22 23 00-0319	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers	65.69	
		Note: Excludes auger attachment		
		<i>For Half Day Usage, Deduct</i>	-20.53	
01 22 23 00-0320	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers	199.68	
		Note: Excludes auger attachment		
01 22 23 00-0321	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers	592.56	
		Note: Excludes auger attachment		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-23.70	
01 22 23 00-0322	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	13.33	
		Note: Excludes auger attachment		
		<i>For Half Day Usage, Deduct</i>	-4.17	
01 22 23 00-0323	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	31.11	
		Note: Excludes auger attachment		
01 22 23 00-0324	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers	82.96	
		Note: Excludes auger attachment		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-3.32	
01 22 23 00-0325		Bulldozers (01 22 23 00-0278)		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0326	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,455.79	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-652.97	
01 22 23 00-0327	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,856.69	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0328	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,558.39	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-186.99	
01 22 23 00-0329	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,644.29	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-711.87	
01 22 23 00-0330	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,618.23	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0331	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,895.79	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-280.49	
01 22 23 00-0332	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,179.63	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-879.17	
01 22 23 00-0333	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,759.59	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0334	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,304.79	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-536.85	
01 22 23 00-0335	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,654.65	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-1,027.61	
01 22 23 00-0336	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,667.21	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0337	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,035.19	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-766.06	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0338 DAY 335 HP, D8 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	3,220.15 -1,056.17 -1,204.33	
01 22 23 00-0339 WK 335 HP, D8 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	13,929.21 -5,280.83 -1,037.50	
01 22 23 00-0340 MO 335 HP, D8 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	48,821.19 -22,883.59 -1,037.50	
01 22 23 00-0341 DAY 460 HP, D9 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	3,536.83 -1,056.17 -1,303.29	
01 22 23 00-0342 WK 460 HP, D9 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	15,188.39 -5,280.83 -1,303.29	
01 22 23 00-0343 MO 460 HP, D9 Bulldozer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	52,591.19 -22,883.59 -1,188.30	
01 22 23 00-0344 Motor Scraper (01 22 23 00-0278) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0345 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,398.64 -1,056.17 -947.61	
01 22 23 00-0346 WK 11 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	10,650.71 -5,280.83 -643.65	
01 22 23 00-0347 MO 11 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	38,974.84 -22,883.59 -643.65	
01 22 23 00-0348 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,941.15 -1,056.17 -1,117.14	
01 22 23 00-0349 WK 18 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	12,820.73 -5,280.83 -1,117.14	
01 22 23 00-0350 MO 18 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	45,503.29 -22,883.59 -904.79	
01 22 23 00-0351 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	3,465.26 -1,056.17 -1,280.93	
01 22 23 00-0352 WK 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	14,907.99 -5,280.83 -1,280.93	
01 22 23 00-0353 MO 24 CY Motor Scraper-Hauler With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	51,755.89 -22,883.59 -1,154.89	
01 22 23 00-0354 Hydraulic Excavators (01 22 23 00-0278) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0355 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,415.30 -1,056.17 -640.31	
01 22 23 00-0356 WK 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	6,551.08 -5,280.83 -1,037.50	
01 22 23 00-0357 MO 3/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	27,139.91 -22,883.59 -170.25	
01 22 23 00-0358 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,516.38 -1,056.17 -671.90	
01 22 23 00-0359 WK 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	6,996.66 -5,280.83 -1,037.50	
01 22 23 00-0360 MO 1/2 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,922.24 -22,883.59 -241.55	
01 22 23 00-0361 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,548.31 -1,056.17 -681.88	
01 22 23 00-0362 WK 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	7,162.92 -5,280.83 -1,037.50	
01 22 23 00-0363 MO 5/8 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,214.87 -22,883.59 -253.25	
01 22 23 00-0364 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,581.56 -1,056.17 -692.27	
01 22 23 00-0365 WK 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	7,315.88 -5,280.83 -1,037.50	
01 22 23 00-0366 MO 3/4 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,507.49 -22,883.59 -264.96	
01 22 23 00-0367 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,608.16 -1,056.17 -700.58	
01 22 23 00-0368 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	7,475.49 -5,280.83 -1,037.50	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0369 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	29,800.11	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-276.66	
01 22 23 00-0370 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,967.29	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-812.81	
01 22 23 00-0371 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,905.35	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0372 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,757.16	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-434.94	
01 22 23 00-0373 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,020.49	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-829.44	
01 22 23 00-0374 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,138.12	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0375 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,455.46	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-462.87	
01 22 23 00-0376 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,120.25	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-860.61	
01 22 23 00-0377 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,537.15	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0378 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,652.55	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-510.76	
01 22 23 00-0379 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,233.31	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-895.94	
01 22 23 00-0380 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	9,982.73	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0381 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	36,982.65	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-563.96	
01 22 23 00-0382 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,266.56	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-906.33	
01 22 23 00-0383 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,115.74	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0384 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,381.68	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-579.92	
01 22 23 00-0385 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,585.79	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-1,006.09	
01 22 23 00-0386 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	11,399.29	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0387 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	41,238.97	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-734.22	
01 22 23 00-0388 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	3,044.67	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-1,149.49	
01 22 23 00-0389 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	13,221.53	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0390 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	46,692.38	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-952.35	
01 22 23 00-0391 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,609.96	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-1,326.14	
01 22 23 00-0392 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,482.70	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0393 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator	53,475.89	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-1,223.69	
01 22 23 00-0394 DAY Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	2,146.85	
For Equipment Without Operator, Deduct	-1,056.17	
For Half Day Usage, Deduct	-868.92	
01 22 23 00-0395 WK Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	9,630.26	
For Equipment Without Operator, Deduct	-5,280.83	
01 22 23 00-0396 MO Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	35,918.57	
For Equipment Without Operator, Deduct	-22,883.59	
For >6 Months (>26 Weeks), Deduct	-521.40	
01 22 23 00-0397 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	93.11	
For Half Day Usage, Deduct	-29.10	
01 22 23 00-0398 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	359.13	
01 22 23 00-0399 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,064.08	
For >6 Months (>26 Weeks), Deduct	-42.56	
01 22 23 00-0400 DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	412.33	
For Half Day Usage, Deduct	-128.85	
01 22 23 00-0401 WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,090.68	
01 22 23 00-0402 MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,052.58	
For >6 Months (>26 Weeks), Deduct	-122.10	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0403	DAY		1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	638.45	
			<i>For Half Day Usage, Deduct</i>	-199.52	
01 22 23 00-0404	WK		1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,629.37	
01 22 23 00-0405	MO		1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,236.37	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-169.45	
01 22 23 00-0406	DAY		3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	891.17	
			<i>For Half Day Usage, Deduct</i>	-278.49	
01 22 23 00-0407	WK		3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,400.83	
01 22 23 00-0408	MO		3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,730.31	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-269.21	
01 22 23 00-0409	DAY		24" Compaction Wheel Attachment For Hydraulic Excavators	186.21	
			<i>For Half Day Usage, Deduct</i>	-58.19	
01 22 23 00-0410	WK		24" Compaction Wheel Attachment For Hydraulic Excavators	744.86	
01 22 23 00-0411	MO		24" Compaction Wheel Attachment For Hydraulic Excavators	2,234.57	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-89.38	
01 22 23 00-0412	DAY		36" Compaction Wheel Attachment For Hydraulic Excavators	266.02	
			<i>For Half Day Usage, Deduct</i>	-83.13	
01 22 23 00-0413	WK		36" Compaction Wheel Attachment For Hydraulic Excavators	1,064.08	
01 22 23 00-0414	MO		36" Compaction Wheel Attachment For Hydraulic Excavators	3,132.24	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-127.69	
01 22 23 00-0415	DAY		48" Compaction Wheel Attachment For Hydraulic Excavators	292.62	
			<i>For Half Day Usage, Deduct</i>	-91.44	
01 22 23 00-0416	WK		48" Compaction Wheel Attachment For Hydraulic Excavators	1,157.19	
01 22 23 00-0417	MO		48" Compaction Wheel Attachment For Hydraulic Excavators	3,458.26	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-138.33	
01 22 23 00-0418			Mini-Excavators (01 22 23 00-0278)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0419	DAY		2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,335.49	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-615.37	
01 22 23 00-0420	WK		2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,072.24	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0421	MO		2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,626.02	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-69.70	
01 22 23 00-0422	DAY		3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,342.14	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-617.45	
01 22 23 00-0423	WK		3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,092.19	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0424	MO		3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,045.00	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-86.46	
01 22 23 00-0425	DAY		6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,375.39	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-627.84	
01 22 23 00-0426	WK		6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,185.30	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0427	MO		6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,104.86	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-88.85	
01 22 23 00-0428	DAY		7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,388.69	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-632.00	
01 22 23 00-0429	WK		7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,231.85	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0430	MO		7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,131.46	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-89.91	
01 22 23 00-0431	DAY		9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,468.50	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-656.94	
01 22 23 00-0432	WK		9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,298.36	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0433	MO		9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,902.92	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-120.77	
01 22 23 00-0434	DAY		11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,475.15	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-659.02	
01 22 23 00-0435	WK		11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,630.88	
			<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0436	MO		11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,936.17	
			<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-122.10	
01 22 23 00-0437			Telescopic Hydraulic Excavators (Gradall) (01 22 23 00-0278)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0438	DAY		Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator.....	4,545.58	
			<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
			<i>For Half Day Usage, Deduct</i>	-1,618.53	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0439	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,482.05	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0440	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	52,154.92	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,170.85	
01 22 23 00-0441 Road Graders (01 22 23 00-0278)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0442	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,435.42	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-959.10	
01 22 23 00-0443	WK	50 To 60 HP Road Grader With Full-Time Operator	8,866.88	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0444	MO	50 To 60 HP Road Grader With Full-Time Operator	32,538.34	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-386.19	
01 22 23 00-0445	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,115.85	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-1,171.74	
01 22 23 00-0446	WK	80 To 100 HP Road Grader With Full-Time Operator	10,374.86	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0447	MO	80 To 100 HP Road Grader With Full-Time Operator	37,135.84	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-570.09	
01 22 23 00-0448	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,623.10	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-1,330.25	
01 22 23 00-0449	WK	130 To 140 HP Road Grader With Full-Time Operator	11,877.32	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0450	MO	130 To 140 HP Road Grader With Full-Time Operator	42,675.83	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-791.69	
01 22 23 00-0451	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,393.95	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-1,571.14	
01 22 23 00-0452	WK	170 To 185 HP Road Grader With Full-Time Operator	18,631.97	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0453	MO	170 To 185 HP Road Grader With Full-Time Operator	69,612.54	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.55	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,869.16	
01 22 23 00-0454 Loader-Backhoes With Standard Bucket (01 22 23 00-0278)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0455	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,449.18	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-650.90	
01 22 23 00-0456	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,214.22	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0457	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	25,080.22	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-87.87	
01 22 23 00-0458	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,491.29	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-664.06	
01 22 23 00-0459	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,361.60	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0460	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,978.53	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-123.80	
01 22 23 00-0461	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,556.20	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-684.34	
01 22 23 00-0462	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,523.02	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0463	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,441.72	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-142.33	
01 22 23 00-0464	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,845.69	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-774.81	
01 22 23 00-0465	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,386.23	
		<i>For Equipment Without Operator, Deduct</i>	-5,280.83	
01 22 23 00-0466	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	28,912.05	
		<i>For Equipment Without Operator, Deduct</i>	-22,883.59	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-241.14	
01 22 23 00-0467 Heavy-Duty Construction Loaders (01 22 23 00-0278)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0468	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,560.83	
		<i>For Equipment Without Operator, Deduct</i>	-1,056.17	
		<i>For Half Day Usage, Deduct</i>	-685.79	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0469	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,276.18		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0470	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	28,861.87		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-239.13		
01 22 23 00-0471	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	1,980.09		
		For Equipment Without Operator, Deduct	-1,056.17		
		For Half Day Usage, Deduct	-816.81		
01 22 23 00-0472	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,734.25		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0473	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	29,094.79		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-248.45		
01 22 23 00-0474	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,073.25		
		For Equipment Without Operator, Deduct	-1,056.17		
		For Half Day Usage, Deduct	-845.92		
01 22 23 00-0475	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,982.70		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0476	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	29,715.91		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-273.29		
01 22 23 00-0477	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,329.47		
		For Equipment Without Operator, Deduct	-1,056.17		
		For Half Day Usage, Deduct	-925.99		
01 22 23 00-0478	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	8,658.17		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0479	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	31,423.99		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-341.62		
01 22 23 00-0480	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	2,989.41		
		For Equipment Without Operator, Deduct	-1,056.17		
		For Half Day Usage, Deduct	-1,132.22		
01 22 23 00-0481	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	12,998.25		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0482	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	46,020.31		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-925.47		
01 22 23 00-0483	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	7,337.17		
		For Equipment Without Operator, Deduct	-1,056.17		
		For Half Day Usage, Deduct	-2,490.90		
01 22 23 00-0484	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	25,676.64		
		For Equipment Without Operator, Deduct	-5,280.83		
01 22 23 00-0485	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator.....	78,467.70		
		For Equipment Without Operator, Deduct	-22,883.59		
		For >6 Months (>26 Weeks), Deduct	-2,223.36		
01 22 23 00-0486		Shoring (01 22 23 00-0278) Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0487		Aluminum Hydraulic Shoring (01 22 23 00-0486) Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.			
01 22 23 00-0488	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	130.52		
		Note: Up to 88" spread width.			
01 22 23 00-0489	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	384.97		
		Note: Up to 88" spread width.			
		For >6 Months (>26 Weeks), Deduct	-15.40		
01 22 23 00-0490	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	175.09		
		Note: Up to 88" spread width.			
01 22 23 00-0491	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	516.43		
		Note: Up to 88" spread width.			
		For >6 Months (>26 Weeks), Deduct	-20.66		
01 22 23 00-0492	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	324.66		
		Note: Up to 88" spread width.			
01 22 23 00-0493	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	957.74		
		Note: Up to 88" spread width.			
		For >6 Months (>26 Weeks), Deduct	-38.31		
01 22 23 00-0494	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	32.70		
01 22 23 00-0495	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	52.32		
01 22 23 00-0496	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	87.18		
01 22 23 00-0497		Slide Rail Shoring (01 22 23 00-0486) Note: Excludes delivery to job site and pick-up when complete.			
01 22 23 00-0498	WK	4' x 12' Slide Rail Panel.....	235.83		
01 22 23 00-0499	MO	4' x 12' Slide Rail Panel.....	707.49		
01 22 23 00-0500	WK	8' x 12' Slide Rail Panel.....	385.34		
01 22 23 00-0501	MO	8' x 12' Slide Rail Panel.....	1,156.02		
01 22 23 00-0502	WK	4' x 16' Slide Rail Panel.....	307.53		
01 22 23 00-0503	MO	4' x 16' Slide Rail Panel.....	922.59		
01 22 23 00-0504	WK	8' x 16' Slide Rail Panel.....	503.20		
01 22 23 00-0505	MO	8' x 16' Slide Rail Panel.....	1,509.61		
01 22 23 00-0506	WK	4' x 20' Slide Rail Panel.....	394.55		
01 22 23 00-0507	MO	4' x 20' Slide Rail Panel.....	1,183.65		
01 22 23 00-0508	WK	8' x 20' Slide Rail Panel.....	694.97		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0509	MO	8' x 20' Slide Rail Panel	2,084.91	
01 22 23 00-0510	WK	14' Stacking Post	352.49	
01 22 23 00-0511	MO	14' Stacking Post	1,057.48	
01 22 23 00-0512	WK	Stacking Brackets	11.02	
01 22 23 00-0513	MO	Stacking Brackets	33.05	
01 22 23 00-0514	EA	Set Up And Remove 4' x 12' Slide Rail Panel	281.97	
01 22 23 00-0515	EA	Set Up And Remove 8' x 12' Slide Rail Panel	422.96	
01 22 23 00-0516	EA	Set Up And Remove 4' x 16' Slide Rail Panel	422.96	
01 22 23 00-0517	EA	Set Up And Remove 8' x 16' Slide Rail Panel	563.95	
01 22 23 00-0518	EA	Set Up And Remove 4' x 20' Slide Rail Panel	563.95	
01 22 23 00-0519	EA	Set Up And Remove 8' x 20' Slide Rail Panel	704.93	
01 22 23 00-0520	EA	Set Up And Remove 14' Stacking Post	422.96	
01 22 23 00-0521	EA	Set Up And Remove Stacking Brackets	140.99	
01 22 23 00-0522	EA	Stacking Brackets Rigging Tub	2,065.39	
01 22 23 00-0523 Trench Boxes/Trench Shields (01 22 23 00-0278)				
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.				
01 22 23 00-0524	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32	
01 22 23 00-0525	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97	
For >6 Months (>26 Weeks), Deduct			-31.24	
01 22 23 00-0526	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91	
01 22 23 00-0527	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74	
For >6 Months (>26 Weeks), Deduct			-35.27	
01 22 23 00-0528	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71	
01 22 23 00-0529	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12	
For >6 Months (>26 Weeks), Deduct			-37.28	
01 22 23 00-0530	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52	
01 22 23 00-0531	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54	
For >6 Months (>26 Weeks), Deduct			-34.26	
01 22 23 00-0532	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90	
01 22 23 00-0533	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70	
For >6 Months (>26 Weeks), Deduct			-40.31	
01 22 23 00-0534	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0535	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66	
For >6 Months (>26 Weeks), Deduct			-45.35	
01 22 23 00-0536	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10	
01 22 23 00-0537	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32	
For >6 Months (>26 Weeks), Deduct			-38.29	
01 22 23 00-0538	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0539	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66	
For >6 Months (>26 Weeks), Deduct			-45.35	
01 22 23 00-0540	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0541	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19	
For >6 Months (>26 Weeks), Deduct			-55.09	
01 22 23 00-0542	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0543	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66	
For >6 Months (>26 Weeks), Deduct			-45.35	
01 22 23 00-0544	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0545	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59	
For >6 Months (>26 Weeks), Deduct			-55.42	
01 22 23 00-0546	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82	
01 22 23 00-0547	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48	
For >6 Months (>26 Weeks), Deduct			-70.54	
01 22 23 00-0548	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88	
01 22 23 00-0549	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62	
For >6 Months (>26 Weeks), Deduct			-50.38	
01 22 23 00-0550	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0551	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51	
For >6 Months (>26 Weeks), Deduct			-65.50	
01 22 23 00-0552	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80	
01 22 23 00-0553	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40	
For >6 Months (>26 Weeks), Deduct			-80.62	
01 22 23 00-0554	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0555	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59	
For >6 Months (>26 Weeks), Deduct			-55.42	
01 22 23 00-0556	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81	
01 22 23 00-0557	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44	
For >6 Months (>26 Weeks), Deduct			-75.58	
01 22 23 00-0558	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0559	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32	
For >6 Months (>26 Weeks), Deduct			-90.69	
01 22 23 00-0560	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0561	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51	
For >6 Months (>26 Weeks), Deduct			-65.50	
01 22 23 00-0562	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0563	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
For >6 Months (>26 Weeks), Deduct			-90.69	
01 22 23 00-0564	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0565	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
For >6 Months (>26 Weeks), Deduct			-105.81	
01 22 23 00-0566	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	



General Requirements			01	TO
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0567	MO		4' x 24' Trench Box With Up To 48" Spreaders.....	2,267.32	
			For >6 Months (>26 Weeks), Deduct	-90.69	
01 22 23 00-0568	WK		6' x 24' Trench Box With Up To 48" Spreaders.....	923.72	
01 22 23 00-0569	MO		6' x 24' Trench Box With Up To 48" Spreaders.....	2,771.18	
			For >6 Months (>26 Weeks), Deduct	-110.85	
01 22 23 00-0570	WK		8' x 24' Trench Box With Up To 48" Spreaders.....	1,007.70	
01 22 23 00-0571	MO		8' x 24' Trench Box With Up To 48" Spreaders.....	3,023.10	
			For >6 Months (>26 Weeks), Deduct	-120.92	
01 22 23 00-0572	WK		For Spreaders >48" To 84", Add.....	25.19	
01 22 23 00-0573	MO		For Spreaders >48" To 84", Add.....	75.58	
			For >6 Months (>26 Weeks), Deduct	-3.02	
01 22 23 00-0574	WK		For Spreaders >84" To 120", Add.....	151.16	
01 22 23 00-0575	MO		For Spreaders >84" To 120", Add.....	453.46	
			For >6 Months (>26 Weeks), Deduct	-18.14	
01 22 23 00-0576	WK		For Spreaders >120", Add.....	319.10	
01 22 23 00-0577	MO		For Spreaders >120", Add.....	957.32	
			For >6 Months (>26 Weeks), Deduct	-38.29	
01 22 23 00-0578	WK		8' x 4' Manhole Box.....	396.78	
01 22 23 00-0579	MO		8' x 4' Manhole Box.....	1,190.35	
			For >6 Months (>26 Weeks), Deduct	-47.61	
01 22 23 00-0580	WK		8' x 8' Manhole Box.....	566.83	
01 22 23 00-0581	MO		8' x 8' Manhole Box.....	1,700.49	
			For >6 Months (>26 Weeks), Deduct	-68.02	
01 22 23 00-0582 Trenchers (01 22 23 00-0278)					
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0583	DAY		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,394.08	
			For Equipment Without Operator, Deduct	-1,052.32	
			For Half Day Usage, Deduct	-632.96	
01 22 23 00-0584	WK		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,425.70	
			For Equipment Without Operator, Deduct	-5,261.58	
01 22 23 00-0585	MO		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	26,004.18	
			For Equipment Without Operator, Deduct	-22,800.18	
			For >6 Months (>26 Weeks), Deduct	-128.16	
01 22 23 00-0586	DAY		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,970.80	
			For Equipment Without Operator, Deduct	-1,052.32	
			For Half Day Usage, Deduct	-813.19	
01 22 23 00-0587	WK		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,369.46	
			For Equipment Without Operator, Deduct	-5,261.58	
01 22 23 00-0588	MO		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	31,344.18	
			For Equipment Without Operator, Deduct	-22,800.18	
			For >6 Months (>26 Weeks), Deduct	-341.76	
01 22 23 00-0589 Truck Mounted Vacuum Excavator (01 22 23 00-0278)					
			Note: Includes driver, delivery, and removal.		
01 22 23 00-0590	DAY		Truck Mounted Vacuum Excavator With Full-time Operator	8,691.85	
			For Half Day Usage, Deduct	-2,914.24	
01 22 23 00-0591 Tractors (01 22 23 00-0278)					
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0592	DAY		20 To 29 HP Tractor	484.44	
			For Half Day Usage, Deduct	-151.39	
01 22 23 00-0593	WK		20 To 29 HP Tractor	1,166.26	
01 22 23 00-0594	MO		20 To 29 HP Tractor	3,148.89	
			For >6 Months (>26 Weeks), Deduct	-125.96	
01 22 23 00-0595	DAY		30 To 35 HP Tractor	501.96	
			For Half Day Usage, Deduct	-156.86	
01 22 23 00-0596	WK		30 To 35 HP Tractor	1,292.28	
01 22 23 00-0597	MO		30 To 35 HP Tractor	3,577.80	
			For >6 Months (>26 Weeks), Deduct	-143.11	
01 22 23 00-0598	DAY		40 To 45 HP Tractor	512.64	
			For Half Day Usage, Deduct	-160.20	
01 22 23 00-0599	WK		40 To 45 HP Tractor	1,377.72	
01 22 23 00-0600	MO		40 To 45 HP Tractor	3,780.72	
			For >6 Months (>26 Weeks), Deduct	-151.23	
01 22 23 00-0601	DAY		80 To 89 HP Tractor	660.02	
			For Half Day Usage, Deduct	-206.26	
01 22 23 00-0602	WK		80 To 89 HP Tractor	1,871.78	
01 22 23 00-0603	MO		80 To 89 HP Tractor	5,359.44	
			For >6 Months (>26 Weeks), Deduct	-214.38	
01 22 23 00-0604	DAY		60" Rotary Mower Attachment For Tractors.....	207.19	
			For Half Day Usage, Deduct	-64.75	
01 22 23 00-0605	WK		60" Rotary Mower Attachment For Tractors.....	640.80	
01 22 23 00-0606	DAY		84" Rotary Mower Attachment For Tractors.....	226.42	
			For Half Day Usage, Deduct	-70.76	
01 22 23 00-0607	WK		84" Rotary Mower Attachment For Tractors.....	694.20	
01 22 23 00-0608	DAY		Under Deck Rotary Mower Attachment For Tractors.....	42.44	
			For Half Day Usage, Deduct	-13.26	
01 22 23 00-0609	WK		Under Deck Rotary Mower Attachment For Tractors.....	169.77	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0610		Portable Sediment Tank (01 22 23 00-0278) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0611	WK	Portable Sediment Tank	212.21	
01 22 23 00-0612	MO	Portable Sediment Tank	622.49	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-24.90	
01 22 23 00-0613		Heavy Equipment (Ground Protection) Mats (01 22 23 00-0278) Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0278 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0614	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	27.21	
		<i>For Half Day Usage, Deduct</i>	-8.50	
01 22 23 00-0615	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	64.79	
01 22 23 00-0616	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	136.06	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.44	
01 22 23 00-0617	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	28.57	
		<i>For Half Day Usage, Deduct</i>	-8.93	
01 22 23 00-0618	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	68.03	
01 22 23 00-0619	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	142.86	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.71	
01 22 23 00-0620	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.13	
		<i>For Half Day Usage, Deduct</i>	-7.23	
01 22 23 00-0621	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.42	
01 22 23 00-0622	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.65	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-4.63	
01 22 23 00-0623	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	25.85	
		<i>For Half Day Usage, Deduct</i>	-8.08	
01 22 23 00-0624	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.23	
01 22 23 00-0625	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	129.26	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.17	
01 22 23 00-0626	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.57	
		<i>For Half Day Usage, Deduct</i>	-8.93	
01 22 23 00-0627	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	68.03	
01 22 23 00-0628	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	142.86	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.71	
01 22 23 00-0629	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	31.29	
		<i>For Half Day Usage, Deduct</i>	-9.78	
01 22 23 00-0630	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	74.51	
01 22 23 00-0631	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	156.47	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.26	
01 22 23 00-0632	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.49	
		<i>For Half Day Usage, Deduct</i>	-7.65	
01 22 23 00-0633	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.03	
01 22 23 00-0634	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	122.45	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-4.90	
01 22 23 00-0635	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.57	
		<i>For Half Day Usage, Deduct</i>	-8.93	
01 22 23 00-0636	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.03	
01 22 23 00-0637	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	142.86	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.71	
01 22 23 00-0638	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	34.02	
		<i>For Half Day Usage, Deduct</i>	-10.63	
01 22 23 00-0639	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	74.83	
01 22 23 00-0640	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	170.08	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-6.80	
01 22 23 00-0641	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.74	
		<i>For Half Day Usage, Deduct</i>	-11.48	
01 22 23 00-0642	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	87.47	
01 22 23 00-0643	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	183.68	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-7.35	
01 22 23 00-0644	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.46	
		<i>For Half Day Usage, Deduct</i>	-12.33	
01 22 23 00-0645	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	93.95	
01 22 23 00-0646	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	197.29	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-7.89	
01 22 23 00-0647	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.82	
		<i>For Half Day Usage, Deduct</i>	-12.76	
01 22 23 00-0648	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.19	
01 22 23 00-0649	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	204.09	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-8.16	
01 22 23 00-0650	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.09	
		<i>For Half Day Usage, Deduct</i>	-4.09	
01 22 23 00-0651	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.72	
01 22 23 00-0652	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.17	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-3.93	
01 22 23 00-0653	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.65	
		<i>For Half Day Usage, Deduct</i>	-4.89	
01 22 23 00-0654	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.12	
01 22 23 00-0655	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	117.35	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-4.69	
01 22 23 00-0656	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.87	
		<i>For Half Day Usage, Deduct</i>	-5.58	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0657	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.67		
01 22 23 00-0658	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	134.02		
		For >6 Months (>26 Weeks), Deduct	-5.36		
01 22 23 00-0659	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.05		
		For Half Day Usage, Deduct	-5.95		
01 22 23 00-0660	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.62		
01 22 23 00-0661	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	142.86		
		For >6 Months (>26 Weeks), Deduct	-5.71		
01 22 23 00-0662	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.77		
		For Half Day Usage, Deduct	-6.80		
01 22 23 00-0663	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.42		
01 22 23 00-0664	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	163.27		
		For >6 Months (>26 Weeks), Deduct	-6.53		
01 22 23 00-0665	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.02		
		For Half Day Usage, Deduct	-7.82		
01 22 23 00-0666	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.54		
01 22 23 00-0667	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	187.63		
		For >6 Months (>26 Weeks), Deduct	-7.51		
01 22 23 00-0668	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.25		
		For Half Day Usage, Deduct	-6.02		
01 22 23 00-0669	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.12		
01 22 23 00-0670	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	144.36		
		For >6 Months (>26 Weeks), Deduct	-5.77		
01 22 23 00-0671	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.06		
		For Half Day Usage, Deduct	-8.14		
01 22 23 00-0672	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	65.15		
01 22 23 00-0673	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	195.45		
		For >6 Months (>26 Weeks), Deduct	-7.82		
01 22 23 00-0674	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.53		
		For Half Day Usage, Deduct	-7.04		
01 22 23 00-0675	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.33		
01 22 23 00-0676	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.99		
		For >6 Months (>26 Weeks), Deduct	-6.76		
01 22 23 00-0677	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.58		
		For Half Day Usage, Deduct	-11.74		
01 22 23 00-0678	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	93.94		
01 22 23 00-0679	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	281.83		
		For >6 Months (>26 Weeks), Deduct	-11.27		
01 22 23 00-0680	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.06		
		For Half Day Usage, Deduct	-12.52		
01 22 23 00-0681	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.14		
01 22 23 00-0682	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	300.42		
		For >6 Months (>26 Weeks), Deduct	-12.02		
01 22 23 00-0683	Electrical Equipment (01 22 23)				
01 22 23 00-0684	Tripod Mounted Floodlights (01 22 23 00-0683)				
	Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-0685	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	85.23		
		For Half Day Usage, Deduct	-26.63		
01 22 23 00-0686	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	201.63		
01 22 23 00-0687	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	426.13		
		For >6 Months (>26 Weeks), Deduct	-17.05		
01 22 23 00-0688	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	85.23		
		For Half Day Usage, Deduct	-26.63		
01 22 23 00-0689	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	249.44		
01 22 23 00-0690	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	737.94		
		For >6 Months (>26 Weeks), Deduct	-29.52		
01 22 23 00-0691	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	95.62		
		For Half Day Usage, Deduct	-29.88		
01 22 23 00-0692	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	259.84		
01 22 23 00-0693	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	634.00		
		For >6 Months (>26 Weeks), Deduct	-25.36		
01 22 23 00-0694	Trailer Mounted Floodlights (01 22 23 00-0683)				
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.				
01 22 23 00-0695	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	239.05		
		For Half Day Usage, Deduct	-74.70		
01 22 23 00-0696	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	530.07		
01 22 23 00-0697	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	1,143.28		
		For >6 Months (>26 Weeks), Deduct	-45.73		
01 22 23 00-0698	Generator Sets (01 22 23 00-0683)				
01 22 23 00-0699	Portable, Gas Powered Generator Sets (01 22 23 00-0698)				
	Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.				
01 22 23 00-0700	DAY	3.6 KW Gas Powered Generator Set	49.74		
	Note: Fuel consumption: 100% load – 0.54 gallons per hour				
	For LP Or NG Gas, Add		6.22		
	For Half Day Usage, Deduct		-15.54		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0701	WK		3.6 KW Gas Powered Generator Set.....179.30 Note: Fuel consumption: 100% load – 0.54 gallons per hour For LP Or NG Gas, Add 22.41		
01 22 23 00-0702	MO		3.6 KW Gas Powered Generator Set.....497.42 Note: Fuel consumption: 100% load – 0.54 gallons per hour For LP Or NG Gas, Add 62.18 For >6 Months (>26 Weeks), Deduct -19.90		
01 22 23 00-0703	DAY		5 KW Gas Powered Generator Set.....70.56 Note: Fuel consumption: 100% load – 0.75 gallons per hour For LP Or NG Gas, Add 8.82 For Half Day Usage, Deduct -22.05		
01 22 23 00-0704	WK		5 KW Gas Powered Generator Set.....225.58 Note: Fuel consumption: 100% load – 0.75 gallons per hour For LP Or NG Gas, Add 28.20		
01 22 23 00-0705	MO		5 KW Gas Powered Generator Set.....514.78 Note: Fuel consumption: 100% load – 0.75 gallons per hour For LP Or NG Gas, Add 64.35 For >6 Months (>26 Weeks), Deduct -20.59		
01 22 23 00-0706	DAY		6.5 KW Gas Powered Generator Set.....90.23 Note: Fuel consumption: 100% load – 0.975 gallons per hour For LP Or NG Gas, Add 11.28 For Half Day Usage, Deduct -28.20		
01 22 23 00-0707	WK		6.5 KW Gas Powered Generator Set.....242.93 Note: Fuel consumption: 100% load – 0.975 gallons per hour For LP Or NG Gas, Add 30.37		
01 22 23 00-0708	MO		6.5 KW Gas Powered Generator Set.....670.94 Note: Fuel consumption: 100% load – 0.975 gallons per hour For LP Or NG Gas, Add 83.87 For >6 Months (>26 Weeks), Deduct -26.84		
01 22 23 00-0709	DAY		10 KW Gas Powered Generator Set.....100.64 Note: Fuel consumption: 100% load – 1.35 gallons per hour For LP Or NG Gas, Add 12.58 For Half Day Usage, Deduct -31.45		
01 22 23 00-0710	WK		10 KW Gas Powered Generator Set.....271.85 Note: Fuel consumption: 100% load – 1.35 gallons per hour For LP Or NG Gas, Add 33.98		
01 22 23 00-0711	MO		10 KW Gas Powered Generator Set.....780.84 Note: Fuel consumption: 100% load – 1.35 gallons per hour For LP Or NG Gas, Add 97.61 For >6 Months (>26 Weeks), Deduct -31.23		
01 22 23 00-0712	DAY		15 KW Gas Powered Generator Set.....184.28 Note: Fuel consumption: 100% load – 1.70 gallons per hour For LP Or NG Gas, Add 23.04 For Half Day Usage, Deduct -57.59		
01 22 23 00-0713	WK		15 KW Gas Powered Generator Set.....523.50 Note: Fuel consumption: 100% load – 1.6 gallons per hour For LP Or NG Gas, Add 65.44		
01 22 23 00-0714	MO		15 KW Gas Powered Generator Set.....1,130.77 Note: Fuel consumption: 100% load – 1.6 gallons per hour For LP Or NG Gas, Add 141.35 For >6 Months (>26 Weeks), Deduct -45.23		
01 22 23 00-0715			Towable, Diesel Powered Generator Sets (01 22 23 00-0698) Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1,000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.		
01 22 23 00-0716	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....207.07 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 82.83 For >16 To 24 Hours Usage Per Day, Add 165.66		
01 22 23 00-0717	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....541.38 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 216.55 For >80 Hours Usage Per Week, Add 433.10		
01 22 23 00-0718	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,474.92 Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 589.97 For >320 Hours Usage Per Month, Add 1,179.94 For >6 Months (>26 Weeks), Deduct -59.00		
01 22 23 00-0719	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....364.59 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 145.84 For >16 To 24 Hours Usage Per Day, Add 291.67		
01 22 23 00-0720	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,082.01 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 432.80 For >80 Hours Usage Per Week, Add 865.61		



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0721	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set 2,234.59 Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 893.84 For >320 Hours Usage Per Month, Add 1,787.67 For >6 Months (>26 Weeks), Deduct -89.38		
01 22 23 00-0722	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set 399.87 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 159.95 For >16 To 24 Hours Usage Per Day, Add 319.90		
01 22 23 00-0723	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,117.30 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 446.92 For >80 Hours Usage Per Week, Add 893.84		
01 22 23 00-0724	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,469.81 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 987.92 For >320 Hours Usage Per Month, Add 1,975.85 For >6 Months (>26 Weeks), Deduct -98.79		
01 22 23 00-0725	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set 429.28 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 171.71 For >16 To 24 Hours Usage Per Day, Add 343.42		
01 22 23 00-0726	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,176.10 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 470.44 For >80 Hours Usage Per Week, Add 940.88		
01 22 23 00-0727	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,822.64 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 1,129.06 For >320 Hours Usage Per Month, Add 2,258.11 For >6 Months (>26 Weeks), Deduct -112.91		
01 22 23 00-0728	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set 470.44 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 188.18 For >16 To 24 Hours Usage Per Day, Add 376.35		
01 22 23 00-0729	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,334.87 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 533.95 For >80 Hours Usage Per Week, Add 1,067.90		
01 22 23 00-0730	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,175.47 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 1,270.19 For >320 Hours Usage Per Month, Add 2,540.38 For >6 Months (>26 Weeks), Deduct -127.02		
01 22 23 00-0731	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set 529.24 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 211.70 For >16 To 24 Hours Usage Per Day, Add 423.39		
01 22 23 00-0732	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,411.32 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 564.53 For >80 Hours Usage Per Week, Add 1,129.06		
01 22 23 00-0733	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,528.30 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 1,411.32 For >320 Hours Usage Per Month, Add 2,822.64 For >6 Months (>26 Weeks), Deduct -141.13		
01 22 23 00-0734	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 546.89 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 218.76 For >16 To 24 Hours Usage Per Day, Add 437.51		
01 22 23 00-0735	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,470.12 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 588.05 For >80 Hours Usage Per Week, Add 1,176.10		
01 22 23 00-0736	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,998.74 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 1,599.50 For >320 Hours Usage Per Month, Add 3,198.99 For >6 Months (>26 Weeks), Deduct -159.95		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0737	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	617.45		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	246.98		
		For >16 To 24 Hours Usage Per Day, Add	493.96		
01 22 23 00-0738	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,705.34		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	682.14		
		For >80 Hours Usage Per Week, Add	1,364.27		
01 22 23 00-0739	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,586.79		
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	1,834.72		
		For >320 Hours Usage Per Month, Add	3,669.43		
		For >6 Months (>26 Weeks), Deduct	-183.47		
01 22 23 00-0740	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	646.86		
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	258.74		
		For >16 To 24 Hours Usage Per Day, Add	517.49		
01 22 23 00-0741	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,793.55		
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	717.42		
		For >80 Hours Usage Per Week, Add	1,434.84		
01 22 23 00-0742	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,057.23		
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,022.89		
		For >320 Hours Usage Per Month, Add	4,045.78		
		For >6 Months (>26 Weeks), Deduct	-202.29		
01 22 23 00-0743	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	676.26		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	270.50		
		For >16 To 24 Hours Usage Per Day, Add	541.01		
01 22 23 00-0744	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,940.56		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	776.22		
		For >80 Hours Usage Per Week, Add	1,552.45		
01 22 23 00-0745	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,292.45		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,116.98		
		For >320 Hours Usage Per Month, Add	4,233.96		
		For >6 Months (>26 Weeks), Deduct	-211.70		
01 22 23 00-0746	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	705.66		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	282.26		
		For >16 To 24 Hours Usage Per Day, Add	564.53		
01 22 23 00-0747	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,058.18		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	823.27		
		For >80 Hours Usage Per Week, Add	1,646.54		
01 22 23 00-0748	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,527.67		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,211.07		
		For >320 Hours Usage Per Month, Add	4,422.14		
		For >6 Months (>26 Weeks), Deduct	-221.11		
01 22 23 00-0749	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	705.66		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	282.26		
		For >16 To 24 Hours Usage Per Day, Add	564.53		
01 22 23 00-0750	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,058.18		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	823.27		
		For >80 Hours Usage Per Week, Add	1,646.54		
01 22 23 00-0751	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,527.67		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,211.07		
		For >320 Hours Usage Per Month, Add	4,422.14		
		For >6 Months (>26 Weeks), Deduct	-221.11		
01 22 23 00-0752	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	970.28		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	388.11		
		For >16 To 24 Hours Usage Per Day, Add	776.22		



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0753	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,411.00 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 964.40 For >80 Hours Usage Per Week, Add 1,928.80		
01 22 23 00-0754	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set 7,056.60 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 2,822.64 For >320 Hours Usage Per Month, Add 5,645.28 For >6 Months (>26 Weeks), Deduct -282.26		
01 22 23 00-0755	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,029.09 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 411.64 For >16 To 24 Hours Usage Per Day, Add 823.27		
01 22 23 00-0756	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,469.81 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 987.92 For >80 Hours Usage Per Week, Add 1,975.85		
01 22 23 00-0757	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set 7,291.82 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 2,916.73 For >320 Hours Usage Per Month, Add 5,833.46 For >6 Months (>26 Weeks), Deduct -291.67		
01 22 23 00-0758	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,087.89 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 435.16 For >16 To 24 Hours Usage Per Day, Add 870.31		
01 22 23 00-0759	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,528.62 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,011.45 For >80 Hours Usage Per Week, Add 2,022.90		
01 22 23 00-0760	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set 7,527.04 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,010.82 For >320 Hours Usage Per Month, Add 6,021.63 For >6 Months (>26 Weeks), Deduct -301.08		
01 22 23 00-0761	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,123.18 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 449.27 For >16 To 24 Hours Usage Per Day, Add 898.54		
01 22 23 00-0762	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,705.03 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,082.01 For >80 Hours Usage Per Week, Add 2,164.02		
01 22 23 00-0763	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set 7,997.48 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,198.99 For >320 Hours Usage Per Month, Add 6,397.98 For >6 Months (>26 Weeks), Deduct -319.90		
01 22 23 00-0764	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,176.10 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 470.44 For >16 To 24 Hours Usage Per Day, Add 940.88		
01 22 23 00-0765	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,057.86 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 1,223.14 For >80 Hours Usage Per Week, Add 2,446.29		
01 22 23 00-0766	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 8,820.75 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 3,528.30 For >320 Hours Usage Per Month, Add 7,056.60 For >6 Months (>26 Weeks), Deduct -352.83		
01 22 23 00-0767	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,177.49 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 871.00 For >16 To 24 Hours Usage Per Day, Add 1,741.99		
01 22 23 00-0768	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 5,629.83 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 2,251.93 For >80 Hours Usage Per Week, Add 4,503.86		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0769	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....14,888.80 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 5,955.52 For >320 Hours Usage Per Month, Add 11,911.04 For >6 Months (>26 Weeks), Deduct -595.55		
01 22 23 00-0770	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....2,791.65 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,116.66 For >16 To 24 Hours Usage Per Day, Add 2,233.32		
01 22 23 00-0771	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....7,258.29 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 2,903.32 For >80 Hours Usage Per Week, Add 5,806.63		
01 22 23 00-0772	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....16,749.90 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 6,699.96 For >320 Hours Usage Per Month, Add 13,399.92 For >6 Months (>26 Weeks), Deduct -670.00		
01 22 23 00-0773	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....3,452.34 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,380.94 For >16 To 24 Hours Usage Per Day, Add 2,761.87		
01 22 23 00-0774	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....9,119.39 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 3,647.76 For >80 Hours Usage Per Week, Add 7,295.51		
01 22 23 00-0775	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....22,333.20 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 8,933.28 For >320 Hours Usage Per Month, Add 17,866.56 For >6 Months (>26 Weeks), Deduct -893.33		
01 22 23 00-0776	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....3,731.51 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,492.60 For >16 To 24 Hours Usage Per Day, Add 2,985.21		
01 22 23 00-0777	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....8,598.28 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 3,439.31 For >80 Hours Usage Per Week, Add 6,878.62		
01 22 23 00-0778	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....25,794.85 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 10,317.94 For >320 Hours Usage Per Month, Add 20,635.88 For >6 Months (>26 Weeks), Deduct -1,031.79		
01 22 23 00-0779	DAY		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....4,234.00 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 1,693.60 For >16 To 24 Hours Usage Per Day, Add 3,387.20		
01 22 23 00-0780	WK		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....11,064.24 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 4,425.70 For >80 Hours Usage Per Week, Add 8,851.39		
01 22 23 00-0781	MO		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....30,308.01 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 12,123.20 For >320 Hours Usage Per Month, Add 24,246.41 For >6 Months (>26 Weeks), Deduct -1,212.32		
01 22 23 00-0782	DAY		1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....5,583.30 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add 2,233.32 For >16 To 24 Hours Usage Per Day, Add 4,466.64		
01 22 23 00-0783	WK		1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....16,749.90 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 6,699.96 For >80 Hours Usage Per Week, Add 13,399.92		
01 22 23 00-0784	MO		1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....48,025.69 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 19,210.28 For >320 Hours Usage Per Month, Add 38,420.55		



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0785	DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,360.65		
	Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	2,944.26		
	For >16 To 24 Hours Usage Per Day, Add	5,888.52		
01 22 23 00-0786	WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,406.28		
	Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	7,362.51		
	For >80 Hours Usage Per Week, Add	14,725.02		
01 22 23 00-0787	MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	50,249.70		
	Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	20,099.88		
	For >320 Hours Usage Per Month, Add	40,199.76		
	For >6 Months (>26 Weeks), Deduct	-2,009.99		
01 22 23 00-0788	EA Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set.....	936.47		
	Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.			
01 22 23 00-0789	EA Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set.....	1,275.34		
	Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.			
01 22 23 00-0790	EA Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set.....	1,661.25		
	Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.			
01 22 23 00-0791	EA Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set.....	2,110.74		
	Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.			
01 22 23 00-0792	EA Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set.....	2,922.63		
	Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.			
01 22 23 00-0793	Generator Accessories (01 22 23 00-0698)			
	Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0794	Step Down Transformer (01 22 23 00-0793)			
01 22 23 00-0795	WK 75 KVA, 480-208 Volt, Step Down Transformer	346.95		
01 22 23 00-0796	MO 75 KVA, 480-208 Volt, Step Down Transformer	970.28		
	For >6 Months (>26 Weeks), Deduct	-38.81		
01 22 23 00-0797	WK 150 KVA, 480-208 Volt, Step Down Transformer	556.30		
01 22 23 00-0798	MO 150 KVA, 480-208 Volt, Step Down Transformer	1,667.71		
	For >6 Months (>26 Weeks), Deduct	-66.71		
01 22 23 00-0799	WK 225 KVA, 480-208 Volt, Step Down Transformer	740.94		
01 22 23 00-0800	MO 225 KVA, 480-208 Volt, Step Down Transformer	2,222.83		
	For >6 Months (>26 Weeks), Deduct	-88.91		
01 22 23 00-0801	WK 500 KVA, 480-208 Volt, Step Down Transformer	882.08		
01 22 23 00-0802	MO 500 KVA, 480-208 Volt, Step Down Transformer	2,646.22		
	For >6 Months (>26 Weeks), Deduct	-105.85		
01 22 23 00-0803	WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,317.23		
01 22 23 00-0804	MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,934.05		
	For >6 Months (>26 Weeks), Deduct	-157.36		
01 22 23 00-0805	WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,140.50		
01 22 23 00-0806	MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,415.63		
	For >6 Months (>26 Weeks), Deduct	-256.63		
01 22 23 00-0807	WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,469.81		
01 22 23 00-0808	MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,409.43		
	For >6 Months (>26 Weeks), Deduct	-296.38		
01 22 23 00-0809	Portable Panel (01 22 23 00-0793)			
01 22 23 00-0810	WK 100 Amperes, Portable Panel.....	276.38		
01 22 23 00-0811	MO 100 Amperes, Portable Panel.....	705.66		
	For >6 Months (>26 Weeks), Deduct	-28.23		
01 22 23 00-0812	WK 200 Amperes, Portable Panel.....	330.48		
01 22 23 00-0813	MO 200 Amperes, Portable Panel.....	882.08		
	For >6 Months (>26 Weeks), Deduct	-35.28		
01 22 23 00-0814	WK 400 Amperes, Portable Panel.....	352.83		
01 22 23 00-0815	MO 400 Amperes, Portable Panel.....	1,058.49		
	For >6 Months (>26 Weeks), Deduct	-42.34		
01 22 23 00-0816	Portable Fusible Disconnect (01 22 23 00-0793)			
01 22 23 00-0817	WK 100 - 200 Amperes, Portable Fusible Disconnect.....	123.49		
01 22 23 00-0818	MO 100 - 200 Amperes, Portable Fusible Disconnect.....	370.47		
	For >6 Months (>26 Weeks), Deduct	-14.82		
01 22 23 00-0819	WK 300 - 400 Amperes, Portable Fusible Disconnect.....	246.98		
01 22 23 00-0820	MO 300 - 400 Amperes, Portable Fusible Disconnect.....	740.94		
	For >6 Months (>26 Weeks), Deduct	-29.64		
01 22 23 00-0821	Portable Transfer Switch (01 22 23 00-0793)			
01 22 23 00-0822	WK 100 Amperes, 480 Volt, Portable Transfer Switch.....	370.47		
01 22 23 00-0823	MO 100 Amperes, 480 Volt, Portable Transfer Switch.....	1,111.41		
	For >6 Months (>26 Weeks), Deduct	-44.46		
01 22 23 00-0824	WK 200 Amperes, 480 Volt, Portable Transfer Switch.....	493.96		
01 22 23 00-0825	MO 200 Amperes, 480 Volt, Portable Transfer Switch.....	1,481.89		
	For >6 Months (>26 Weeks), Deduct	-59.28		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0826	WK	400 Amperes, 480 Volt, Portable Transfer Switch	617.45	
01 22 23 00-0827	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,852.36	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-74.09	
01 22 23 00-0828 Cabling For Generator Sets (01 22 23 00-0698)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0829	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	25.87	
		<i>For Half Day Usage, Deduct</i>	-8.08	
01 22 23 00-0830	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	45.28	
01 22 23 00-0831	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	135.84	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-5.43	
01 22 23 00-0832	DAY	50', 4/0 Cable With Camlock Ends For Generator Set.....	12.94	
		<i>For Half Day Usage, Deduct</i>	-4.04	
01 22 23 00-0833	WK	50', 4/0 Cable With Camlock Ends For Generator Set.....	37.64	
01 22 23 00-0834	MO	50', 4/0 Cable With Camlock Ends For Generator Set.....	104.67	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-4.19	
01 22 23 00-0835 Resistive Load Banks For Generator Sets (01 22 23 00-0698)				
		Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.		
01 22 23 00-0836	DAY	100 KW A/C Resistive Load Bank	250.00	
01 22 23 00-0837	WK	100 KW A/C Resistive Load Bank	570.00	
01 22 23 00-0838	MO	100 KW A/C Resistive Load Bank	1,710.00	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-68.40	
01 22 23 00-0839	DAY	250 KW A/C Resistive Load Bank	313.00	
01 22 23 00-0840	WK	250 KW A/C Resistive Load Bank	690.00	
01 22 23 00-0841	MO	250 KW A/C Resistive Load Bank	2,068.00	
01 22 23 00-0842	DAY	400 KW A/C Resistive Load Bank	390.00	
01 22 23 00-0843	WK	400 KW A/C Resistive Load Bank	835.00	
01 22 23 00-0844	MO	400 KW A/C Resistive Load Bank	2,505.00	
01 22 23 00-0845	DAY	500 KW A/C Resistive Load Bank	457.00	
01 22 23 00-0846	WK	500 KW A/C Resistive Load Bank	1,250.00	
01 22 23 00-0847	MO	500 KW A/C Resistive Load Bank	3,750.00	
01 22 23 00-0848	DAY	650 KW A/C Resistive Load Bank	517.00	
01 22 23 00-0849	WK	650 KW A/C Resistive Load Bank	1,565.00	
01 22 23 00-0850	MO	650 KW A/C Resistive Load Bank	4,695.00	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-187.80	
01 22 23 00-0851	DAY	750 KW A/C Resistive Load Bank	549.00	
01 22 23 00-0852	WK	750 KW A/C Resistive Load Bank	1,733.00	
01 22 23 00-0853	MO	750 KW A/C Resistive Load Bank	5,199.00	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-207.96	
01 22 23 00-0854	DAY	1,000 KW A/C Resistive Load Bank	597.00	
01 22 23 00-0855	WK	1,000 KW A/C Resistive Load Bank	1,985.00	
01 22 23 00-0856	MO	1,000 KW A/C Resistive Load Bank	5,955.00	
01 22 23 00-0857	DAY	1,250 KW A/C Resistive Load Bank	657.00	
01 22 23 00-0858	WK	1,250 KW A/C Resistive Load Bank	2,300.00	
01 22 23 00-0859	MO	1,250 KW A/C Resistive Load Bank	6,900.00	
01 22 23 00-0860	DAY	1,500 KW A/C Resistive Load Bank	1,191.00	
01 22 23 00-0861	WK	1,500 KW A/C Resistive Load Bank	4,096.00	
01 22 23 00-0862	MO	1,500 KW A/C Resistive Load Bank	13,337.00	
01 22 23 00-0863	DAY	2,000 KW A/C Resistive Load Bank	1,445.00	
01 22 23 00-0864	WK	2,000 KW A/C Resistive Load Bank	5,000.00	
01 22 23 00-0865	MO	2,000 KW A/C Resistive Load Bank	16,500.00	
01 22 23 00-0866	DAY	2,500 KW A/C Resistive Load Bank	1,964.00	
01 22 23 00-0867	WK	2,500 KW A/C Resistive Load Bank	6,875.00	
01 22 23 00-0868	MO	2,500 KW A/C Resistive Load Bank	20,625.00	
01 22 23 00-0869	DAY	3,000 KW A/C Resistive Load Bank	2,310.00	
01 22 23 00-0870	WK	3,000 KW A/C Resistive Load Bank	7,500.00	
01 22 23 00-0871	MO	3,000 KW A/C Resistive Load Bank	22,500.00	
01 22 23 00-0872 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0698)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0873	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	63.51	
		<i>For Half Day Usage, Deduct</i>	-19.85	
01 22 23 00-0874	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	164.65	
01 22 23 00-0875	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	464.56	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-18.58	
01 22 23 00-0876 Portable Distribution Panels For Generator Sets (01 22 23 00-0698)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0877	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	141.13	
		<i>For Half Day Usage, Deduct</i>	-44.10	
01 22 23 00-0878	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	382.23	
01 22 23 00-0879	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,070.25	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-42.81	
01 22 23 00-0880	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	115.26	
		<i>For Half Day Usage, Deduct</i>	-36.02	
01 22 23 00-0881	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	299.91	



General Requirements			01	10
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0882	MO		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	852.67	
			For >6 Months (>26 Weeks), Deduct	-34.11	
01 22 23 00-0883	DAY		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	147.01	
			For Half Day Usage, Deduct	-45.94	
01 22 23 00-0884	WK		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	370.47	
01 22 23 00-0885	MO		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,005.57	
			For >6 Months (>26 Weeks), Deduct	-40.22	
01 22 23 00-0886			Fuel Reimbursement For Generators (01 22 23 00-0698)		
01 22 23 00-0887	EA		Fuel Reimbursement For Generators	1.00	
			Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0888			Welding Machines (01 22 23 00-0683)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0889			CC/CV Inverter Welder (01 22 23 00-0888)		
			Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.		
01 22 23 00-0890	DAY		250 Amperes, CC Inverter Welder.....	47.72	
			For Half Day Usage, Deduct	-14.91	
01 22 23 00-0891	WK		250 Amperes, CC Inverter Welder.....	103.96	
01 22 23 00-0892	MO		250 Amperes, CC Inverter Welder.....	315.30	
			For >6 Months (>26 Weeks), Deduct	-12.61	
01 22 23 00-0893	DAY		300 Amperes, CC/CV Inverter Welder.....	54.54	
			For Half Day Usage, Deduct	-17.04	
01 22 23 00-0894	WK		300 Amperes, CC/CV Inverter Welder.....	144.87	
01 22 23 00-0895	MO		300 Amperes, CC/CV Inverter Welder.....	383.47	
			For >6 Months (>26 Weeks), Deduct	-15.34	
01 22 23 00-0896	DAY		350 Amperes, CC/CV Inverter Welder.....	56.24	
			For Half Day Usage, Deduct	-17.58	
01 22 23 00-0897	WK		350 Amperes, CC/CV Inverter Welder.....	148.27	
01 22 23 00-0898	MO		350 Amperes, CC/CV Inverter Welder.....	417.55	
			For >6 Months (>26 Weeks), Deduct	-16.70	
01 22 23 00-0899			MIG Welder (01 22 23 00-0888)		
			Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.		
01 22 23 00-0900	DAY		115 Volt MIG Welder	81.81	
			For Half Day Usage, Deduct	-25.57	
01 22 23 00-0901	WK		115 Volt MIG Welder	213.04	
01 22 23 00-0902	MO		115 Volt MIG Welder	579.46	
			For >6 Months (>26 Weeks), Deduct	-23.18	
01 22 23 00-0903			Diesel Powered Towable Welding Machines (01 22 23 00-0888)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0904	DAY		250 To 299 Amperes, Diesel Powered Towable Welding Machine	153.39	
			For Half Day Usage, Deduct	-47.93	
01 22 23 00-0905	WK		250 To 299 Amperes, Diesel Powered Towable Welding Machine	374.95	
01 22 23 00-0906	MO		250 To 299 Amperes, Diesel Powered Towable Welding Machine	894.76	
			For >6 Months (>26 Weeks), Deduct	-35.79	
01 22 23 00-0907	DAY		300 To 349 Amperes, Diesel Powered Towable Welding Machine	204.52	
			For Half Day Usage, Deduct	-63.91	
01 22 23 00-0908	WK		300 To 349 Amperes, Diesel Powered Towable Welding Machine	400.51	
01 22 23 00-0909	MO		300 To 349 Amperes, Diesel Powered Towable Welding Machine	935.66	
			For >6 Months (>26 Weeks), Deduct	-37.43	
01 22 23 00-0910	DAY		350 To 399 Amperes, Diesel Powered Towable Welding Machine	213.04	
			For Half Day Usage, Deduct	-66.58	
01 22 23 00-0911	WK		350 To 399 Amperes, Diesel Powered Towable Welding Machine	426.08	
01 22 23 00-0912	MO		350 To 399 Amperes, Diesel Powered Towable Welding Machine	1,039.62	
			For >6 Months (>26 Weeks), Deduct	-41.58	
01 22 23 00-0913			General Equipment (01 22 23)		
01 22 23 00-0914			Torch Burning (01 22 23 00-0913)		
			Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0915	DAY		Torch Burning Package With Full Time Operator	958.99	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct	-916.38	
			For Half Day Usage, Deduct	-471.51	
01 22 23 00-0916	WK		Torch Burning Package With Full Time Operator	4,709.75	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct	-4,581.93	
01 22 23 00-0917	MO		Torch Burning Package With Full Time Operator	20,238.46	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct	-19,854.99	
			For >6 Months (>26 Weeks), Deduct	-15.34	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0918		Jacks And Bracing (01 22 23 00-0913) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0919		Manual Hydraulic Jacks (01 22 23 00-0918)		
01 22 23 00-0920	DAY	12 Ton Manual Hydraulic Bottle Jack.....	1.67	
		For Half Day Usage, Deduct	-0.52	
01 22 23 00-0921	WK	12 Ton Manual Hydraulic Bottle Jack.....	7.93	
01 22 23 00-0922	MO	12 Ton Manual Hydraulic Bottle Jack.....	28.50	
		For >6 Months (>26 Weeks), Deduct	-1.14	
01 22 23 00-0923	DAY	20 Ton Manual Hydraulic Bottle Jack.....	2.92	
		For Half Day Usage, Deduct	-0.91	
01 22 23 00-0924	WK	20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0925	MO	20 Ton Manual Hydraulic Bottle Jack.....	34.76	
		For >6 Months (>26 Weeks), Deduct	-1.39	
01 22 23 00-0926	DAY	50 Ton Manual Hydraulic Bottle Jack.....	10.43	
		For Half Day Usage, Deduct	-3.26	
01 22 23 00-0927	WK	50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0928	MO	50 Ton Manual Hydraulic Bottle Jack.....	145.66	
		For >6 Months (>26 Weeks), Deduct	-5.83	
01 22 23 00-0929	DAY	100 Ton Manual Hydraulic Bottle Jack.....	14.61	
		For Half Day Usage, Deduct	-4.57	
01 22 23 00-0930	WK	100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0931	MO	100 Ton Manual Hydraulic Bottle Jack.....	210.46	
		For >6 Months (>26 Weeks), Deduct	-8.42	
01 22 23 00-0932		Manual Screw Jacks (01 22 23 00-0918)		
01 22 23 00-0933	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	-5.99	
01 22 23 00-0934	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0935	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	-6.08	
01 22 23 00-0936		Shores/Braces (01 22 23 00-0918)		
01 22 23 00-0937	MO	Up To 5' Height, Adjustable Tubular Steel Shoring.....	15.78	
01 22 23 00-0938	MO	Up To 10' Height, Adjustable Tubular Steel Shoring.....	20.28	
01 22 23 00-0939	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring.....	27.04	
01 22 23 00-0940	MO	Up To 10' Height, Adjustable Wood Shoring.....	6.22	
01 22 23 00-0941	MO	>10' To 16' Height, Adjustable Wood Shoring.....	8.29	
01 22 23 00-0942	EA	Erect And Strip Shores To 10'.....	13.08	
		For >20 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-4.58	
		For >100, Deduct	-7.19	
01 22 23 00-0943	EA	Erect And Strip Shores To 13'.....	15.70	
		For >20 To 50, Deduct	-2.36	
		For >50 To 100, Deduct	-5.50	
		For >100, Deduct	-8.64	
01 22 23 00-0944	EA	Erect And Strip Shores To 16'.....	18.30	
		For >20 To 50, Deduct	-2.75	
		For >50 To 100, Deduct	-6.41	
		For >100, Deduct	-10.07	
01 22 23 00-0945		Pressure Washers (01 22 23 00-0913) Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0946	DAY	2,000 PSI Pressure Washer With Full-Time Operator	972.80	
		For Equipment Without Operator, Deduct	-832.08	
		For Half Day Usage, Deduct	-460.02	
01 22 23 00-0947	WK	2,000 PSI Pressure Washer With Full-Time Operator	4,517.61	
		For Equipment Without Operator, Deduct	-4,160.40	
01 22 23 00-0948	MO	2,000 PSI Pressure Washer With Full-Time Operator	18,937.65	
		For Equipment Without Operator, Deduct	-18,028.39	
		For >6 Months (>26 Weeks), Deduct	-36.37	
01 22 23 00-0949	DAY	2,500 PSI Pressure Washer With Full-Time Operator	972.80	
		For Equipment Without Operator, Deduct	-832.08	
		For Half Day Usage, Deduct	-460.02	
01 22 23 00-0950	WK	2,500 PSI Pressure Washer With Full-Time Operator	4,517.61	
		For Equipment Without Operator, Deduct	-4,160.40	
01 22 23 00-0951	MO	2,500 PSI Pressure Washer With Full-Time Operator	18,937.65	
		For Equipment Without Operator, Deduct	-18,028.39	
		For >6 Months (>26 Weeks), Deduct	-36.37	
01 22 23 00-0952	DAY	3,000 PSI Pressure Washer With Full-Time Operator	972.80	
		For Equipment Without Operator, Deduct	-832.08	
		For Half Day Usage, Deduct	-460.02	
01 22 23 00-0953	WK	3,000 PSI Pressure Washer With Full-Time Operator	4,517.61	
		For Equipment Without Operator, Deduct	-4,160.40	
01 22 23 00-0954	MO	3,000 PSI Pressure Washer With Full-Time Operator	18,937.65	
		For Equipment Without Operator, Deduct	-18,028.39	
		For >6 Months (>26 Weeks), Deduct	-36.37	
01 22 23 00-0955	DAY	3,500 PSI Pressure Washer With Full-Time Operator	983.62	
		For Equipment Without Operator, Deduct	-832.08	
		For Half Day Usage, Deduct	-463.40	



General Requirements			01	TO
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0956 WK 3,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	4,550.08 -4,160.40	
01 22 23 00-0957 MO 3,500 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,024.24 -18,028.39 -39.83	
01 22 23 00-0958 DAY 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,026.92 -832.08 -476.93	
01 22 23 00-0959 WK 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	4,690.80 -4,160.40	
01 22 23 00-0960 MO 4,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,511.35 -18,028.39 -59.32	
01 22 23 00-0961 DAY 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,048.57 -832.08 -483.69	
01 22 23 00-0962 WK 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct	4,744.92 -4,160.40	
01 22 23 00-0963 MO 5,000 PSI Pressure Washer With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,673.71 -18,028.39 -65.81	
01 22 23 00-0964 Confined Space Entry Equipment (01 22 23 00-0913) Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0965 DAY Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'. For Half Day Usage, Deduct	48.45 -15.14	
01 22 23 00-0966 WK Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	145.34	
01 22 23 00-0967 MO Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'. For >6 Months (>26 Weeks), Deduct	433.72 -17.35	
01 22 23 00-0968 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly For Half Day Usage, Deduct	67.81 -21.19	
01 22 23 00-0969 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	203.44	
01 22 23 00-0970 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	610.31	
01 22 23 00-0971 DAY Confined Space Air Monitor Personnel Note: Per person day. For Half Day Usage, Deduct	832.08 -416.04	
01 22 23 00-0972 WK 15' Long Ventilation Hose For Confined Space	45.50	
01 22 23 00-0973 MO 15' Long Ventilation Hose For Confined Space For >6 Months (>26 Weeks), Deduct	151.67 -6.07	
01 22 23 00-0974 High Volume Vacuums (01 22 23 00-0913) Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0975 DAY 500 Gallon High Volume Vacuum With Full-Time Operator For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,654.20 -1,052.32 -714.25	
01 22 23 00-0976 WK 500 Gallon High Volume Vacuum With Full-Time Operator For Equipment Without Operator, Deduct	6,946.83 -5,261.58	
01 22 23 00-0977 MO 500 Gallon High Volume Vacuum With Full-Time Operator For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,578.18 -22,800.18 -231.12	
01 22 23 00-0978 Portable Floor Drying Fans (01 22 23 00-0913) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0979 DAY 2,250 CFM Portable Floor Drying Fan For Half Day Usage, Deduct	22.02 -6.88	
01 22 23 00-0980 WK 2,250 CFM Portable Floor Drying Fan	101.84	
01 22 23 00-0981 MO 2,250 CFM Portable Floor Drying Fan For >6 Months (>26 Weeks), Deduct	337.17 -13.49	
01 22 23 00-0982 Portable Dehumidifiers (01 22 23 00-0913) Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0983 DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier For Half Day Usage, Deduct	187.10 -58.47	
01 22 23 00-0984 WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier	601.40	
01 22 23 00-0985 MO 7.5 To 10 Gallons Per Day, Portable Dehumidifier For >6 Months (>26 Weeks), Deduct	1,830.94 -73.24	
01 22 23 00-0986 DAY 16 To 25 Gallons Per Day, Portable Dehumidifier For Half Day Usage, Deduct	334.11 -104.41	
01 22 23 00-0987 WK 16 To 25 Gallons Per Day, Portable Dehumidifier	1,002.34	
01 22 23 00-0988 MO 16 To 25 Gallons Per Day, Portable Dehumidifier For >6 Months (>26 Weeks), Deduct	2,338.79 -93.55	
01 22 23 00-0989 Portable Fume Extractors (01 22 23 00-0913) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0990	DAY		Portable Fume Extractor.....	31.14	
			<i>For Half Day Usage, Deduct</i>	-9.73	
01 22 23 00-0991	WK		Portable Fume Extractor.....	93.43	
01 22 23 00-0992 Direct Fired Space Heaters (01 22 23 00-0913)					
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.					
01 22 23 00-0993	DAY		150,000 BTU/Hour Space Heater.....	70.15	
			<i>For Half Day Usage, Deduct</i>	-21.92	
01 22 23 00-0994	WK		150,000 BTU/Hour Space Heater.....	201.69	
01 22 23 00-0995	MO		150,000 BTU/Hour Space Heater.....	569.98	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-22.80	
01 22 23 00-0996	DAY		500,000 BTU/Hour Space Heater.....	149.07	
			<i>For Half Day Usage, Deduct</i>	-46.58	
01 22 23 00-0997	WK		500,000 BTU/Hour Space Heater.....	368.30	
01 22 23 00-0998	MO		500,000 BTU/Hour Space Heater.....	931.27	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-37.25	
01 22 23 00-0999 Mowers (01 22 23 00-0913)					
Note: Includes delivery to job site and pick-up when complete. Excludes operator.					
01 22 23 00-1000	DAY		21" Walk Behind Lawn Mower.....	99.20	
			<i>For Half Day Usage, Deduct</i>	-31.00	
01 22 23 00-1001	WK		21" Walk Behind Lawn Mower.....	285.19	
01 22 23 00-1002	MO		21" Walk Behind Lawn Mower.....	582.78	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-23.31	
01 22 23 00-1003	DAY		32" Walk Behind Lawn Mower.....	124.00	
			<i>For Half Day Usage, Deduct</i>	-38.75	
01 22 23 00-1004	WK		32" Walk Behind Lawn Mower.....	297.59	
01 22 23 00-1005	MO		32" Walk Behind Lawn Mower.....	619.98	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-24.80	
01 22 23 00-1006	DAY		36" To 48" Walk Behind Deck Mower.....	223.19	
			<i>For Half Day Usage, Deduct</i>	-69.75	
01 22 23 00-1007	WK		36" To 48" Walk Behind Deck Mower.....	619.98	
01 22 23 00-1008	MO		36" To 48" Walk Behind Deck Mower.....	1,797.93	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-71.92	
01 22 23 00-1009	DAY		61" To 72" Walk Behind Deck Mower.....	223.19	
			<i>For Half Day Usage, Deduct</i>	-69.75	
01 22 23 00-1010	WK		61" To 72" Walk Behind Deck Mower.....	619.98	
01 22 23 00-1011	MO		61" To 72" Walk Behind Deck Mower.....	1,797.93	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-71.92	
01 22 23 00-1012 Trailer Mounted Brush Chipper (01 22 23 00-0913)					
Note: Includes delivery to job site and pick-up when complete.					
01 22 23 00-1013	DAY		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	192.25	
			<i>For Half Day Usage, Deduct</i>	-60.08	
01 22 23 00-1014	WK		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	459.72	
01 22 23 00-1015	MO		4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	1,412.59	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-56.50	
01 22 23 00-1016	DAY		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	250.76	
			<i>For Half Day Usage, Deduct</i>	-78.36	
01 22 23 00-1017	WK		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	565.03	
01 22 23 00-1018	MO		6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	1,504.53	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-60.18	
01 22 23 00-1019	DAY		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	468.08	
			<i>For Half Day Usage, Deduct</i>	-146.28	
01 22 23 00-1020	WK		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	1,053.17	
01 22 23 00-1021	MO		9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	2,808.46	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-112.34	
01 22 23 00-1022	DAY		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	559.01	
			<i>For Half Day Usage, Deduct</i>	-174.69	
01 22 23 00-1023	WK		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	1,257.77	
01 22 23 00-1024	MO		12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup.....	3,354.05	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-134.16	
01 22 23 00-1025 Marine Equipment (01 22 23)					
01 22 23 00-1026 Barge And Tug Boat Rental (01 22 23 00-1025)					
01 22 23 00-1027	DAY		50' Deck Cargo Barge.....	1,225.45	
			<i>For Half Day Usage, Deduct</i>	-382.95	
01 22 23 00-1028	DAY		90' Deck Cargo Barge.....	1,739.70	
			<i>For Half Day Usage, Deduct</i>	-543.66	
01 22 23 00-1029	DAY		160' Deck Cargo Barge.....	2,560.31	
			<i>For Half Day Usage, Deduct</i>	-800.10	
01 22 23 00-1030	DAY		200' Deck Cargo Barge.....	3,884.23	
			<i>For Half Day Usage, Deduct</i>	-1,213.82	
01 22 23 00-1031	DAY		Barge Rental With Mounted Crane And Full-time Operator.....	2,626.37	
			Note: Including barge.		
			<i>For Half Day Usage, Deduct</i>	-1,018.77	
01 22 23 00-1032	HR		250 HP Tug Boat With Operator.....	257.65	
01 22 23 00-1033	HR		400 HP Tug Boat With Operator.....	458.41	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

TO

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1034	HR		500 To 800 HP Tug Boat With Operator	573.79	
01 22 23 00-1035	HR		16' Work Boat With Operator	142.62	
01 22 23 00-1036	HR		48' Work Boat With Operator	448.84	
01 22 23 00-1037			Material Handling Equipment (01 22 23)		
01 22 23 00-1038			Truck Mounted Hydraulic Cranes (01 22 23 00-1037)		
Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.					
01 22 23 00-1039	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,509.01	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-672.79	
01 22 23 00-1040	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,686.24	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1041	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,226.22	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-158.94	
01 22 23 00-1042	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,624.37	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-708.84	
01 22 23 00-1043	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,029.13	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1044	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,251.66	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-199.96	
01 22 23 00-1045	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,739.74	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-744.89	
01 22 23 00-1046	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,372.01	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1047	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,277.10	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-240.98	
01 22 23 00-1048	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,893.55	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-792.96	
01 22 23 00-1049	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,833.45	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1050	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,655.04	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-296.10	
01 22 23 00-1051	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,034.55	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-837.02	
01 22 23 00-1052	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,788.40	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1053	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,517.29	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-410.59	
01 22 23 00-1054	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,367.82	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-941.17	
01 22 23 00-1055	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,980.47	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1056	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,096.08	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-553.74	
01 22 23 00-1057	DAY		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,579.32	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-1,007.26	
01 22 23 00-1058	WK		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,723.91	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1059	MO		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,331.54	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-643.16	
01 22 23 00-1060	DAY		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,745.95	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-1,059.33	
01 22 23 00-1061	WK		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,326.36	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1062	MO		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,136.31	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-715.35	
01 22 23 00-1063	DAY		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,912.58	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-1,111.41	
01 22 23 00-1064	WK		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,928.81	
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1065	MO		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,941.09	
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-787.54	
01 22 23 00-1066	DAY		85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,021.54	
			For Equipment Without Operator, Deduct	-1,073.20	
			For Half Day Usage, Deduct	-1,145.46	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1067	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,300.53	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1068	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,069.07	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-832.66	
01 22 23 00-1069	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,168.94	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
		<i>For Half Day Usage, Deduct</i>	-1,191.52	
01 22 23 00-1070	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,851.70	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1071	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,709.78	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-898.29	
01 22 23 00-1072	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,643.21	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
		<i>For Half Day Usage, Deduct</i>	-1,339.73	
01 22 23 00-1073	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,361.02	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1074	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	50,237.73	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,079.40	
01 22 23 00-1075	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,970.07	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
		<i>For Half Day Usage, Deduct</i>	-1,441.87	
01 22 23 00-1076	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,505.03	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1077	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,669.75	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,216.68	
01 22 23 00-1078	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,559.70	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
		<i>For Half Day Usage, Deduct</i>	-1,626.13	
01 22 23 00-1079	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	17,568.73	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1080	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	59,860.85	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,464.33	
01 22 23 00-1081	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,969.87	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
		<i>For Half Day Usage, Deduct</i>	-1,754.31	
01 22 23 00-1082	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,004.34	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1083	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,167.70	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,636.60	
01 22 23 00-1084		Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-1037)		
		Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01		
		71 13 00-0006 for lattice crane delivery.		
01 22 23 00-1085	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,611.36	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
01 22 23 00-1086	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,852.09	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1087	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	39,710.95	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-658.33	
01 22 23 00-1088	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,797.02	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
01 22 23 00-1089	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,826.07	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1090	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	45,632.87	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-895.21	
01 22 23 00-1091	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	3,989.30	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
01 22 23 00-1092	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	14,229.64	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1093	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	49,842.30	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,063.59	
01 22 23 00-1094	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,373.84	
		<i>For Equipment Without Operator, Deduct</i>	-1,073.20	
01 22 23 00-1095	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,633.21	
		<i>For Equipment Without Operator, Deduct</i>	-5,365.99	
01 22 23 00-1096	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	54,046.60	
		<i>For Equipment Without Operator, Deduct</i>	-23,252.64	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,231.76	



General Requirements			01	10
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1097	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,556.49 -1,073.20	
01 22 23 00-1098	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,036.78 -5,365.99	
01 22 23 00-1099	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	58,261.16 -23,252.64 -1,400.34	
01 22 23 00-1100	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,739.15 -1,073.20	
01 22 23 00-1101	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,440.35 -5,365.99	
01 22 23 00-1102	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	62,475.72 -23,252.64 -1,568.92	
01 22 23 00-1103	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,341.59 -1,073.20	
01 22 23 00-1104	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,600.18 -5,365.99	
01 22 23 00-1105	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	68,946.25 -23,252.64 -1,827.74	
01 22 23 00-1106	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,046.00 -1,073.20	
01 22 23 00-1107	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,802.72 -5,365.99	
01 22 23 00-1108	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	108,569.25 -23,252.64 -3,412.66	
01 22 23 00-1109 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-1037)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-1110	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,635.20 -1,052.32 -708.31	
01 22 23 00-1111	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,688.11 -5,261.58	
01 22 23 00-1112	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,867.98 -22,800.18 -122.71	
01 22 23 00-1113	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,696.56 -1,052.32 -727.49	
01 22 23 00-1114	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,826.16 -5,261.58	
01 22 23 00-1115	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,174.76 -22,800.18 -134.98	
01 22 23 00-1116	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,681.22 -1,052.32 -722.69	
01 22 23 00-1117	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,895.18 -5,261.58	
01 22 23 00-1118	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,634.93 -22,800.18 -153.39	
01 22 23 00-1119	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,857.62 -1,052.32 -777.82	
01 22 23 00-1120	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,355.35 -5,261.58	
01 22 23 00-1121	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	27,708.66 -22,800.18 -196.34	
01 22 23 00-1122 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-1037)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-1123	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i> <i>For Half Day Usage, Deduct</i>	1,431.19 -1,052.32 75.77 -644.56	
01 22 23 00-1124	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,296.20 -5,261.58 206.92	
01 22 23 00-1125	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	25,168.14 -22,800.18 473.59 -94.72	
01 22 23 00-1126	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i> <i>For Half Day Usage, Deduct</i>	1,451.13 -1,052.32 79.76 -650.79	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1127	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,350.65	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	217.81	
01 22 23 00-1128	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,292.77	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	498.52	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-99.70	
01 22 23 00-1129	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,558.51	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	101.24	
		<i>For Half Day Usage, Deduct</i>	-684.34	
01 22 23 00-1130	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,649.76	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	277.64	
01 22 23 00-1131	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,983.02	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	636.57	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-127.31	
01 22 23 00-1132	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,617.64	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.06	
		<i>For Half Day Usage, Deduct</i>	-702.82	
01 22 23 00-1133	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,624.14	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	272.51	
01 22 23 00-1134	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	26,192.09	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	678.38	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-135.68	
01 22 23 00-1135 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-1037)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-1136	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,374.44	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	64.42	
		<i>For Half Day Usage, Deduct</i>	-626.82	
01 22 23 00-1137	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,997.85	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	147.25	
01 22 23 00-1138	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,564.16	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	352.80	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-70.56	
01 22 23 00-1139	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,382.11	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	65.96	
		<i>For Half Day Usage, Deduct</i>	-629.22	
01 22 23 00-1140	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,020.86	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	151.86	
01 22 23 00-1141	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,617.85	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	363.53	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-72.71	
01 22 23 00-1142	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,543.17	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	98.17	
		<i>For Half Day Usage, Deduct</i>	-679.55	
01 22 23 00-1143	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,373.66	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	222.42	
01 22 23 00-1144	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,484.50	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	536.86	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-107.37	
01 22 23 00-1145	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,558.51	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	101.24	
		<i>For Half Day Usage, Deduct</i>	-684.34	
01 22 23 00-1146	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,504.04	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	248.49	
01 22 23 00-1147	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,944.68	
		<i>For Equipment Without Operator, Deduct</i>	-22,800.18	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	628.90	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-125.78	
01 22 23 00-1148	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,696.56	
		<i>For Equipment Without Operator, Deduct</i>	-1,052.32	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	128.85	
		<i>For Half Day Usage, Deduct</i>	-727.49	
01 22 23 00-1149	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,726.45	
		<i>For Equipment Without Operator, Deduct</i>	-5,261.58	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	292.97	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
01 22 23 00-1150	MO 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	26,328.15 -22,800.18 705.59 -141.12		
01 22 23 00-1151	Chain Hoists (01 22 23 00-1037) Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-1152	DAY 1 Ton, 20' Lift, Manual Chain Hoist <i>For Half Day Usage, Deduct</i>	12.52 -3.91		
01 22 23 00-1153	WK 1 Ton, 20' Lift, Manual Chain Hoist	32.55		
01 22 23 00-1154	MO 1 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	96.40 -3.86		
01 22 23 00-1155	DAY 3 Ton, 20' Lift, Manual Chain Hoist <i>For Half Day Usage, Deduct</i>	35.06 -10.96		
01 22 23 00-1156	WK 3 Ton, 20' Lift, Manual Chain Hoist	82.63		
01 22 23 00-1157	MO 3 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	231.62 -9.26		
01 22 23 00-1158	DAY 5 Ton, 20' Lift, Manual Chain Hoist <i>For Half Day Usage, Deduct</i>	45.07 -14.08		
01 22 23 00-1159	WK 5 Ton, 20' Lift, Manual Chain Hoist	121.44		
01 22 23 00-1160	MO 5 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	338.04 -13.52		
01 22 23 00-1161	DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	88.89 -27.78		
01 22 23 00-1162	WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62		
01 22 23 00-1163	MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	626.00 -25.04		
01 22 23 00-1164	DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	90.14 -28.17		
01 22 23 00-1165	WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01		
01 22 23 00-1166	MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	657.30 -26.29		
01 22 23 00-1167	DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For Half Day Usage, Deduct</i>	92.65 -28.95		
01 22 23 00-1168	WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79		
01 22 23 00-1169	MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	719.90 -28.80		
01 22 23 00-1170	Roof Swing Hoist (01 22 23 00-1037) Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-1171	DAY Up To 400 Lb., Manual Swing Roof Hoist..... <i>For Half Day Usage, Deduct</i>	106.00 -33.13		
01 22 23 00-1172	WK Up To 400 Lb., Manual Swing Roof Hoist.....	371.02		
01 22 23 00-1173	MO Up To 400 Lb., Manual Swing Roof Hoist..... <i>For >6 Months (>26 Weeks), Deduct</i>	1,272.06 -50.88		
01 22 23 00-1174	Truck Mounted Digger Derrick (01 22 23 00-1037) Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.			
01 22 23 00-1175	DAY Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,679.98 -1,073.20 -726.22		
01 22 23 00-1176	WK Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i>	7,186.32 -5,365.99		
01 22 23 00-1177	MO Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	28,106.86 -23,252.64 -194.17		
01 22 23 00-1178	DAY Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,804.70 -1,073.20 -765.19		
01 22 23 00-1179	WK Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i>	7,560.48 -5,365.99		
01 22 23 00-1180	MO Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	29,104.61 -23,252.64 -234.08		
01 22 23 00-1181	DAY Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill. <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,575.38 -1,073.20 -1,006.03		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1182	WK		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	9,872.53	
			Note: Includes lifting boom, grapple arm and auger drill.		
			For Equipment Without Operator, Deduct	-5,365.99	
01 22 23 00-1183	MO		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	35,270.09	
			Note: Includes lifting boom, grapple arm and auger drill.		
			For Equipment Without Operator, Deduct	-23,252.64	
			For >6 Months (>26 Weeks), Deduct	-480.70	
01 22 23 00-1184			Pumping Equipment (01 22 23)		
01 22 23 00-1185			Gas Powered Portable Centrifugal Pumps (01 22 23 00-1184)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1209 for larger diameter pumps.		
01 22 23 00-1186	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	77.39	
			For >8 To 16 Hours Usage Per Day, Add	30.96	
			For >16 To 24 Hours Usage Per Day, Add	61.91	
01 22 23 00-1187	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	174.13	
			For >40 To 80 Hours Usage Per Week, Add	69.65	
			For >80 Hours Usage Per Week, Add	139.30	
01 22 23 00-1188	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	464.35	
			For >160 To 320 Hours Usage Per Month, Add	185.74	
			For >320 Hours Usage Per Month, Add	371.48	
			For >6 Months (>26 Weeks), Deduct	-18.57	
01 22 23 00-1189	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	92.87	
			For >8 To 16 Hours Usage Per Day, Add	37.15	
			For >16 To 24 Hours Usage Per Day, Add	74.30	
01 22 23 00-1190	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	208.96	
			For >40 To 80 Hours Usage Per Week, Add	83.58	
			For >80 Hours Usage Per Week, Add	167.17	
01 22 23 00-1191	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	557.22	
			For >160 To 320 Hours Usage Per Month, Add	222.89	
			For >320 Hours Usage Per Month, Add	445.78	
			For >6 Months (>26 Weeks), Deduct	-22.29	
01 22 23 00-1192			Gas Powered Portable Diaphragm Pumps (01 22 23 00-1184)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1193	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	89.00	
			For >8 To 16 Hours Usage Per Day, Add	35.60	
			For >16 To 24 Hours Usage Per Day, Add	71.20	
01 22 23 00-1194	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	251.52	
			For >40 To 80 Hours Usage Per Week, Add	100.61	
			For >80 Hours Usage Per Week, Add	201.22	
01 22 23 00-1195	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	638.48	
			For >160 To 320 Hours Usage Per Month, Add	255.39	
			For >320 Hours Usage Per Month, Add	510.78	
			For >6 Months (>26 Weeks), Deduct	-25.54	
01 22 23 00-1196	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	108.35	
			For >8 To 16 Hours Usage Per Day, Add	43.34	
			For >16 To 24 Hours Usage Per Day, Add	86.68	
01 22 23 00-1197	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	290.22	
			For >40 To 80 Hours Usage Per Week, Add	116.09	
			For >80 Hours Usage Per Week, Add	232.18	
01 22 23 00-1198	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	822.29	
			For >160 To 320 Hours Usage Per Month, Add	328.92	
			For >320 Hours Usage Per Month, Add	657.83	
			For >6 Months (>26 Weeks), Deduct	-32.89	
01 22 23 00-1199			Gas Powered Portable Trash Pumps (01 22 23 00-1184)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1200	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	112.22	
			For >8 To 16 Hours Usage Per Day, Add	44.89	
			For >16 To 24 Hours Usage Per Day, Add	89.78	
01 22 23 00-1201	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	232.18	
			For >40 To 80 Hours Usage Per Week, Add	92.87	
			For >80 Hours Usage Per Week, Add	185.74	
01 22 23 00-1202	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	696.53	
			For >160 To 320 Hours Usage Per Month, Add	278.61	
			For >320 Hours Usage Per Month, Add	557.22	
			For >6 Months (>26 Weeks), Deduct	-27.86	
01 22 23 00-1203	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	112.22	
			For >8 To 16 Hours Usage Per Day, Add	44.89	
			For >16 To 24 Hours Usage Per Day, Add	89.78	
01 22 23 00-1204	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	299.89	
			For >40 To 80 Hours Usage Per Week, Add	119.96	
			For >80 Hours Usage Per Week, Add	239.91	
01 22 23 00-1205	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	822.29	
			For >160 To 320 Hours Usage Per Month, Add	328.92	
			For >320 Hours Usage Per Month, Add	657.83	
			For >6 Months (>26 Weeks), Deduct	-32.89	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

TO

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1206 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	178.00	
For >8 To 16 Hours Usage Per Day, Add	71.20	
For >16 To 24 Hours Usage Per Day, Add	142.40	
01 22 23 00-1207 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	503.05	
For >40 To 80 Hours Usage Per Week, Add	201.22	
For >80 Hours Usage Per Week, Add	402.44	
01 22 23 00-1208 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,460.77	
For >160 To 320 Hours Usage Per Month, Add	584.31	
For >320 Hours Usage Per Month, Add	1,168.62	
For >6 Months (>26 Weeks), Deduct	-58.43	
01 22 23 00-1209 Diesel Powered Portable Trash Pumps (01 22 23 00-1184)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1210 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	348.26	
For >8 To 16 Hours Usage Per Day, Add	139.30	
For >16 To 24 Hours Usage Per Day, Add	278.61	
01 22 23 00-1211 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	948.05	
For >40 To 80 Hours Usage Per Week, Add	379.22	
For >80 Hours Usage Per Week, Add	758.44	
01 22 23 00-1212 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,130.80	
For >160 To 320 Hours Usage Per Month, Add	1,652.32	
For >320 Hours Usage Per Month, Add	3,304.64	
For >6 Months (>26 Weeks), Deduct	-165.23	
01 22 23 00-1213 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	532.07	
For >8 To 16 Hours Usage Per Day, Add	212.83	
For >16 To 24 Hours Usage Per Day, Add	425.66	
01 22 23 00-1214 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,393.06	
For >40 To 80 Hours Usage Per Week, Add	557.22	
For >80 Hours Usage Per Week, Add	1,114.45	
01 22 23 00-1215 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,705.14	
For >160 To 320 Hours Usage Per Month, Add	1,482.06	
For >320 Hours Usage Per Month, Add	2,964.11	
For >6 Months (>26 Weeks), Deduct	-148.21	
01 22 23 00-1216 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	723.62	
For >8 To 16 Hours Usage Per Day, Add	289.45	
For >16 To 24 Hours Usage Per Day, Add	578.90	
01 22 23 00-1217 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,936.73	
For >40 To 80 Hours Usage Per Week, Add	774.69	
For >80 Hours Usage Per Week, Add	1,549.38	
01 22 23 00-1218 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,181.39	
For >160 To 320 Hours Usage Per Month, Add	2,072.56	
For >320 Hours Usage Per Month, Add	4,145.11	
For >6 Months (>26 Weeks), Deduct	-207.26	
01 22 23 00-1219 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	936.44	
For >8 To 16 Hours Usage Per Day, Add	374.58	
For >16 To 24 Hours Usage Per Day, Add	749.15	
01 22 23 00-1220 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,391.41	
For >40 To 80 Hours Usage Per Week, Add	956.56	
For >80 Hours Usage Per Week, Add	1,913.13	
01 22 23 00-1221 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,023.32	
For >160 To 320 Hours Usage Per Month, Add	2,809.33	
For >320 Hours Usage Per Month, Add	5,618.66	
For >6 Months (>26 Weeks), Deduct	-280.93	
01 22 23 00-1222 Diesel Powered Portable High Head Trash Pumps (01 22 23 00-1184)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1223 DAY 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	464.35	
For >8 To 16 Hours Usage Per Day, Add	185.74	
For >16 To 24 Hours Usage Per Day, Add	371.48	
01 22 23 00-1224 WK 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,044.79	
For >40 To 80 Hours Usage Per Week, Add	417.92	
For >80 Hours Usage Per Week, Add	835.83	
01 22 23 00-1225 MO 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,786.11	
For >160 To 320 Hours Usage Per Month, Add	1,114.44	
For >320 Hours Usage Per Month, Add	2,228.89	
For >6 Months (>26 Weeks), Deduct	-111.44	
01 22 23 00-1226 DAY 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	696.53	
For >8 To 16 Hours Usage Per Day, Add	278.61	
For >16 To 24 Hours Usage Per Day, Add	557.22	
01 22 23 00-1227 WK 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,863.21	
For >40 To 80 Hours Usage Per Week, Add	745.28	
For >80 Hours Usage Per Week, Add	1,490.57	
01 22 23 00-1228 MO 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,223.96	
For >160 To 320 Hours Usage Per Month, Add	2,089.58	
For >320 Hours Usage Per Month, Add	4,179.17	
For >6 Months (>26 Weeks), Deduct	-208.96	
01 22 23 00-1229 DAY 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	851.31	
For >8 To 16 Hours Usage Per Day, Add	340.52	
For >16 To 24 Hours Usage Per Day, Add	681.05	
For Half Day Usage, Deduct	-266.03	
01 22 23 00-1230 WK 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,915.45	
For >40 To 80 Hours Usage Per Week, Add	766.18	
For >80 Hours Usage Per Week, Add	1,532.36	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1231 MO 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump 5,107.87 For >160 To 320 Hours Usage Per Month, Add 2,043.15 For >320 Hours Usage Per Month, Add 4,086.30 For >6 Months (>26 Weeks), Deduct -204.31		
01 22 23 00-1232 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1184) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1233 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 497.24 For >8 To 16 Hours Usage Per Day, Add 198.90 For >16 To 24 Hours Usage Per Day, Add 397.79		
01 22 23 00-1234 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 1,131.86 For >40 To 80 Hours Usage Per Week, Add 452.74 For >80 Hours Usage Per Week, Add 905.49		
01 22 23 00-1235 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 3,529.08 For >160 To 320 Hours Usage Per Month, Add 1,411.63 For >320 Hours Usage Per Month, Add 2,823.26 For >6 Months (>26 Weeks), Deduct -141.16		
01 22 23 00-1236 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 609.46 For >8 To 16 Hours Usage Per Day, Add 243.78 For >16 To 24 Hours Usage Per Day, Add 487.57		
01 22 23 00-1237 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 1,518.82 For >40 To 80 Hours Usage Per Week, Add 607.53 For >80 Hours Usage Per Week, Add 1,215.06		
01 22 23 00-1238 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 4,130.80 For >160 To 320 Hours Usage Per Month, Add 1,652.32 For >320 Hours Usage Per Month, Add 3,304.64 For >6 Months (>26 Weeks), Deduct -165.23		
01 22 23 00-1239 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 735.22 For >8 To 16 Hours Usage Per Day, Add 294.09 For >16 To 24 Hours Usage Per Day, Add 588.18		
01 22 23 00-1240 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 2,174.72 For >40 To 80 Hours Usage Per Week, Add 869.89 For >80 Hours Usage Per Week, Add 1,739.78		
01 22 23 00-1241 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 6,065.60 For >160 To 320 Hours Usage Per Month, Add 2,426.24 For >320 Hours Usage Per Month, Add 4,852.48 For >6 Months (>26 Weeks), Deduct -242.62		
01 22 23 00-1242 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 1,106.71 For >8 To 16 Hours Usage Per Day, Add 442.68 For >16 To 24 Hours Usage Per Day, Add 885.37		
01 22 23 00-1243 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 2,826.74 For >40 To 80 Hours Usage Per Week, Add 1,130.70 For >80 Hours Usage Per Week, Add 2,261.39		
01 22 23 00-1244 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump 8,300.29 For >160 To 320 Hours Usage Per Month, Add 3,320.12 For >320 Hours Usage Per Month, Add 6,640.23 For >6 Months (>26 Weeks), Deduct -332.01		
01 22 23 00-1245 3 Phase Electric Submersible Pumps (01 22 23 00-1184) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1246 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump 193.48		
01 22 23 00-1247 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump 483.70		
01 22 23 00-1248 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump 1,451.10 For >6 Months (>26 Weeks), Deduct -58.04		
01 22 23 00-1249 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump 255.39		
01 22 23 00-1250 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump 638.48		
01 22 23 00-1251 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump 1,915.45 For >6 Months (>26 Weeks), Deduct -76.62		
01 22 23 00-1252 Suction Hose With Couplings (01 22 23 00-1184) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1253 DAY Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings 6.43 For Half Day Usage, Deduct -2.01		
01 22 23 00-1254 WK Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings 16.08		
01 22 23 00-1255 MO Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings 49.32 For >6 Months (>26 Weeks), Deduct -1.97		
01 22 23 00-1256 DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings 17.15 For Half Day Usage, Deduct -5.36		
01 22 23 00-1257 WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings 43.96		
01 22 23 00-1258 MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings 134.01 For >6 Months (>26 Weeks), Deduct -5.36		
01 22 23 00-1259 DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings 25.73 For Half Day Usage, Deduct -8.04		
01 22 23 00-1260 WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings 65.40		
01 22 23 00-1261 MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings 198.34 For >6 Months (>26 Weeks), Deduct -7.93		



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1262 DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	32.16	
For Half Day Usage, Deduct	-10.05	
01 22 23 00-1263 WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	80.41	
01 22 23 00-1264 MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	235.86	
For >6 Months (>26 Weeks), Deduct	-9.43	
01 22 23 00-1265 DAY 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.05	
For Half Day Usage, Deduct	-23.45	
01 22 23 00-1266 WK 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	192.98	
01 22 23 00-1267 MO 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	568.21	
For >6 Months (>26 Weeks), Deduct	-22.73	
01 22 23 00-1268 DAY 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	100.78	
For Half Day Usage, Deduct	-31.49	
01 22 23 00-1269 WK 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	219.78	
01 22 23 00-1270 MO 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	659.34	
For >6 Months (>26 Weeks), Deduct	-26.37	
01 22 23 00-1271 Discharge Hose With Couplings (01 22 23 00-1184)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-1272 DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
For Half Day Usage, Deduct	-2.01	
01 22 23 00-1273 WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1274 MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
For >6 Months (>26 Weeks), Deduct	-1.97	
01 22 23 00-1275 DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
For Half Day Usage, Deduct	-2.34	
01 22 23 00-1276 WK 2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-1277 MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
For >6 Months (>26 Weeks), Deduct	-2.27	
01 22 23 00-1278 DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
For Half Day Usage, Deduct	-2.68	
01 22 23 00-1279 WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1280 MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
For >6 Months (>26 Weeks), Deduct	-2.62	
01 22 23 00-1281 DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
For Half Day Usage, Deduct	-7.03	
01 22 23 00-1282 WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1283 MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
For >6 Months (>26 Weeks), Deduct	-6.65	
01 22 23 00-1284 DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
For Half Day Usage, Deduct	-8.71	
01 22 23 00-1285 WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1286 MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
For >6 Months (>26 Weeks), Deduct	-8.36	
01 22 23 00-1287 DAY 10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
For Half Day Usage, Deduct	-6.70	
01 22 23 00-1288 WK 10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-1289 MO 10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
For >6 Months (>26 Weeks), Deduct	-6.43	
01 22 23 00-1290 DAY 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
For Half Day Usage, Deduct	-17.09	
01 22 23 00-1291 WK 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1292 MO 12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	
For >6 Months (>26 Weeks), Deduct	-16.51	
01 22 23 00-1293 Hydraulic Submersible Pumps (01 22 23 00-1184)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1294 Hydraulic Submersible Pumps (01 22 23 00-1293)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1295 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	127.70	
For >8 To 16 Hours Usage Per Day, Add	51.08	
For >16 To 24 Hours Usage Per Day, Add	102.16	
01 22 23 00-1296 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	342.46	
For >40 To 80 Hours Usage Per Week, Add	136.98	
For >80 Hours Usage Per Week, Add	273.97	
01 22 23 00-1297 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	957.73	
For >160 To 320 Hours Usage Per Month, Add	383.09	
For >320 Hours Usage Per Month, Add	766.18	
For >6 Months (>26 Weeks), Deduct	-38.31	
01 22 23 00-1298 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	162.52	
For >8 To 16 Hours Usage Per Day, Add	65.01	
For >16 To 24 Hours Usage Per Day, Add	130.02	
01 22 23 00-1299 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	417.92	
For >40 To 80 Hours Usage Per Week, Add	167.17	
For >80 Hours Usage Per Week, Add	334.34	
01 22 23 00-1300 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	1,276.97	
For >160 To 320 Hours Usage Per Month, Add	510.79	
For >320 Hours Usage Per Month, Add	1,021.58	
For >6 Months (>26 Weeks), Deduct	-51.08	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1301			Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1293) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1302	DAY		100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	295.06	
			For >8 To 16 Hours Usage Per Day, Add	118.02	
			For >16 To 24 Hours Usage Per Day, Add	236.05	
01 22 23 00-1303	WK		100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	880.33	
			For >40 To 80 Hours Usage Per Week, Add	352.13	
			For >80 Hours Usage Per Week, Add	704.26	
01 22 23 00-1304	MO		100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	2,321.76	
			For >160 To 320 Hours Usage Per Month, Add	928.70	
			For >320 Hours Usage Per Month, Add	1,857.41	
			For >6 Months (>26 Weeks), Deduct	-92.87	
01 22 23 00-1305			HDPE Pipe With Couplings (01 22 23 00-1184) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1306	DAY		4" Diameter x 50' Length, HDPE Pipe With Couplings.....	21.52	
			For Half Day Usage, Deduct	-6.73	
01 22 23 00-1307	WK		4" Diameter x 50' Length, HDPE Pipe With Couplings.....	51.64	
01 22 23 00-1308	MO		4" Diameter x 50' Length, HDPE Pipe With Couplings.....	159.24	
			For >6 Months (>26 Weeks), Deduct	-6.37	
01 22 23 00-1309	DAY		6" Diameter x 50' Length, HDPE Pipe With Couplings.....	34.43	
			For Half Day Usage, Deduct	-10.76	
01 22 23 00-1310	WK		6" Diameter x 50' Length, HDPE Pipe With Couplings.....	86.07	
01 22 23 00-1311	MO		6" Diameter x 50' Length, HDPE Pipe With Couplings.....	262.53	
			For >6 Months (>26 Weeks), Deduct	-10.50	
01 22 23 00-1312	DAY		8" Diameter x 50' Length, HDPE Pipe With Couplings.....	55.95	
			For Half Day Usage, Deduct	-17.48	
01 22 23 00-1313	WK		8" Diameter x 50' HDPE Length, HDPE With Couplings.....	146.33	
01 22 23 00-1314	MO		8" Diameter x 50' Length, HDPE Pipe With Couplings.....	434.67	
			For >6 Months (>26 Weeks), Deduct	-17.39	
01 22 23 00-1315	DAY		10" Diameter x 50' Length, HDPE Pipe With Couplings.....	68.86	
			For Half Day Usage, Deduct	-21.52	
01 22 23 00-1316	WK		10" Diameter x 50' Length, HDPE Pipe With Couplings.....	176.45	
01 22 23 00-1317	MO		10" Diameter x 50' Length, HDPE Pipe With Couplings.....	537.96	
			For >6 Months (>26 Weeks), Deduct	-21.52	
01 22 23 00-1318	DAY		12" Diameter x 20' Length, HDPE Pipe With Couplings.....	51.64	
			For Half Day Usage, Deduct	-16.14	
01 22 23 00-1319	WK		12" Diameter x 20' Length, HDPE Pipe With Couplings.....	142.02	
01 22 23 00-1320	MO		12" Diameter x 20' Length, HDPE Pipe With Couplings.....	430.37	
			For >6 Months (>26 Weeks), Deduct	-17.21	
01 22 23 00-1321	DAY		4" Diameter Elbow For HDPE Pipe, Quick Connect	51.64	
			For Half Day Usage, Deduct	-16.14	
01 22 23 00-1322	WK		4" Diameter Elbow For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1323	MO		4" Diameter Elbow For HDPE Pipe, Quick Connect	395.94	
			For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1324	DAY		6" Diameter Elbow For HDPE Pipe, Quick Connect	60.25	
			For Half Day Usage, Deduct	-18.83	
01 22 23 00-1325	WK		6" Diameter Elbow For HDPE Pipe, Quick Connect	154.93	
01 22 23 00-1326	MO		6" Diameter Elbow For HDPE Pipe, Quick Connect	473.41	
			For >6 Months (>26 Weeks), Deduct	-18.94	
01 22 23 00-1327	DAY		8" Diameter Elbow For HDPE Pipe, Quick Connect	68.86	
			For Half Day Usage, Deduct	-21.52	
01 22 23 00-1328	WK		8" Diameter Elbow For HDPE Pipe, Quick Connect	176.45	
01 22 23 00-1329	MO		8" Diameter Elbow For HDPE Pipe, Quick Connect	537.96	
			For >6 Months (>26 Weeks), Deduct	-21.52	
01 22 23 00-1330	DAY		10" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
			For Half Day Usage, Deduct	-26.90	
01 22 23 00-1331	WK		10" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1332	MO		10" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
			For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1333	DAY		12" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
			For Half Day Usage, Deduct	-26.90	
01 22 23 00-1334	WK		12" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1335	MO		12" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
			For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1336	DAY		4" Diameter Tee For HDPE Pipe, Quick Connect.....	51.64	
			For Half Day Usage, Deduct	-16.14	
01 22 23 00-1337	WK		4" Diameter Tee For HDPE Pipe, Quick Connect.....	133.41	
01 22 23 00-1338	MO		4" Diameter Tee For HDPE Pipe, Quick Connect.....	395.94	
			For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1339	DAY		6" Diameter Tee For HDPE Pipe, Quick Connect.....	68.86	
			For Half Day Usage, Deduct	-21.52	
01 22 23 00-1340	WK		6" Diameter Tee For HDPE Pipe, Quick Connect.....	176.45	
01 22 23 00-1341	MO		6" Diameter Tee For HDPE Pipe, Quick Connect.....	537.96	
			For >6 Months (>26 Weeks), Deduct	-21.52	
01 22 23 00-1342	DAY		8" Diameter Tee For HDPE Pipe, Quick Connect.....	86.07	
			For Half Day Usage, Deduct	-26.90	
01 22 23 00-1343	WK		8" Diameter Tee For HDPE Pipe, Quick Connect.....	219.49	
01 22 23 00-1344	MO		8" Diameter Tee For HDPE Pipe, Quick Connect.....	667.07	
			For >6 Months (>26 Weeks), Deduct	-26.68	
01 22 23 00-1345	DAY		10" Diameter Tee For HDPE Pipe, Quick Connect.....	103.29	
			For Half Day Usage, Deduct	-32.28	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1346 WK 10" Diameter Tee For HDPE Pipe, Quick Connect.....	262.53	
01 22 23 00-1347 MO 10" Diameter Tee For HDPE Pipe, Quick Connect.....	796.18	
For >6 Months (>26 Weeks), Deduct	-31.85	
01 22 23 00-1348 DAY 12" Diameter Tee For HDPE Pipe, Quick Connect.....	103.29	
For Half Day Usage, Deduct	-32.28	
01 22 23 00-1349 WK 12" Diameter Tee For HDPE Pipe, Quick Connect.....	262.53	
01 22 23 00-1350 MO 12" Diameter Tee For HDPE Pipe, Quick Connect.....	796.18	
For >6 Months (>26 Weeks), Deduct	-31.85	
01 22 23 00-1351 DAY 4" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1352 WK 4" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1353 MO 4" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1354 DAY 6" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1355 WK 6" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1356 MO 6" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1357 DAY 8" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1358 WK 8" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1359 MO 8" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1360 DAY 10" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1361 WK 10" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1362 MO 10" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1363 DAY 12" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
For Half Day Usage, Deduct	-2.69	
01 22 23 00-1364 WK 12" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1365 MO 12" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
For >6 Months (>26 Weeks), Deduct	-3.10	
01 22 23 00-1366 DAY 4" Diameter Wye For HDPE Pipe, Quick Connect.....	25.82	
For Half Day Usage, Deduct	-8.07	
01 22 23 00-1367 WK 4" Diameter Wye For HDPE Pipe, Quick Connect.....	64.56	
01 22 23 00-1368 MO 4" Diameter Wye For HDPE Pipe, Quick Connect.....	197.97	
For >6 Months (>26 Weeks), Deduct	-7.92	
01 22 23 00-1369 DAY 6" Diameter Wye For HDPE Pipe, Quick Connect.....	30.13	
For Half Day Usage, Deduct	-9.42	
01 22 23 00-1370 WK 6" Diameter Wye For HDPE Pipe, Quick Connect.....	77.47	
01 22 23 00-1371 MO 6" Diameter Wye For HDPE Pipe, Quick Connect.....	236.70	
For >6 Months (>26 Weeks), Deduct	-9.47	
01 22 23 00-1372 DAY 8" Diameter Wye For HDPE Pipe, Quick Connect.....	51.64	
For Half Day Usage, Deduct	-16.14	
01 22 23 00-1373 WK 8" Diameter Wye For HDPE Pipe, Quick Connect.....	133.41	
01 22 23 00-1374 MO 8" Diameter Wye For HDPE Pipe, Quick Connect.....	395.94	
For >6 Months (>26 Weeks), Deduct	-15.84	
01 22 23 00-1375 DAY 10" Diameter Wye For HDPE Pipe, Quick Connect.....	77.47	
For Half Day Usage, Deduct	-24.21	
01 22 23 00-1376 WK 10" Diameter Wye For HDPE Pipe, Quick Connect.....	197.97	
01 22 23 00-1377 MO 10" Diameter Wye For HDPE Pipe, Quick Connect.....	602.52	
For >6 Months (>26 Weeks), Deduct	-24.10	
01 22 23 00-1378 DAY 12" Diameter Wye For HDPE Pipe, Quick Connect.....	77.47	
For Half Day Usage, Deduct	-24.21	
01 22 23 00-1379 WK 12" Diameter Wye For HDPE Pipe, Quick Connect.....	197.97	
01 22 23 00-1380 MO 12" Diameter Wye For HDPE Pipe, Quick Connect.....	602.52	
For >6 Months (>26 Weeks), Deduct	-24.10	
01 22 23 00-1381 Temporary Building Services (01 22 23)		
01 22 23 00-1382 Boilers (01 22 23 00-1381)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1383 Electric Boilers (01 22 23 00-1382)		
01 22 23 00-1384 MO 40 MBH, 12 KW Electric Boiler Rental.....	2,882.75	
01 22 23 00-1385 MO 60 MBH, 20 KW Electric Boiler Rental.....	3,144.86	
01 22 23 00-1386 MO 95 MBH, 30 KW Electric Boiler Rental.....	3,275.92	
01 22 23 00-1387 MO 135 MBH, 40 KW Electric Boiler Rental.....	3,668.96	
01 22 23 00-1388 MO 165 MBH, 50 KW Electric Boiler Rental.....	5,110.33	
01 22 23 00-1389 MO 215 MBH, 60 KW Electric Boiler Rental.....	5,896.56	
01 22 23 00-1390 MO 365 MBH, 100 KW Electric Boiler Rental.....	7,731.10	
01 22 23 00-1391 MO 510 MBH, 150 KW Electric Boiler Rental.....	9,434.58	
01 22 23 00-1392 Oil Fired Hot Water Boilers (01 22 23 00-1382)		
01 22 23 00-1393 MO 500 MBH, 15 HP, Oil Fired Hot Water Boiler Rental.....	2,536.21	
01 22 23 00-1394 MO 1,000 MBH, 30 HP, Oil Fired Hot Water Boiler Rental.....	3,099.15	
01 22 23 00-1395 MO 1,500 MBH, 45 HP, Oil Fired Hot Water Boiler Rental.....	3,663.41	
01 22 23 00-1396 MO 2,000 MBH, 60 HP, Oil Fired Hot Water Boiler Rental.....	4,227.03	
01 22 23 00-1397 MO 2,500 MBH, 75 HP, Oil Fired Hot Water Boiler Rental.....	4,790.64	
01 22 23 00-1398 MO 3,000 MBH, 90 HP, Oil Fired Hot Water Boiler Rental.....	5,354.22	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1399 MO 3,500 MBH, 105 HP, Oil Fired Hot Water Boiler Rental	6,763.23	
01 22 23 00-1400 MO 4,000 MBH, 120 HP, Oil Fired Hot Water Boiler Rental	7,890.44	
01 22 23 00-1401 MO 4,500 MBH, 135 HP, Oil Fired Hot Water Boiler Rental	7,980.11	
01 22 23 00-1402 MO 5,000 MBH, 150 HP, Oil Fired Hot Water Boiler Rental	8,069.77	
01 22 23 00-1403 MO 5,500 MBH, 165 HP, Oil Fired Hot Water Boiler Rental	8,454.04	
01 22 23 00-1404 MO 6,000 MBH, 180 HP, Oil Fired Hot Water Boiler Rental	8,966.40	
01 22 23 00-1405 MO 6,500 MBH, 195 HP, Oil Fired Hot Water Boiler Rental	9,478.77	
01 22 23 00-1406 MO 7,000 MBH, 210 HP, Oil Fired Hot Water Boiler Rental	9,991.14	
01 22 23 00-1407 MO 7,500 MBH, 225 HP, Oil Fired Hot Water Boiler Rental	10,503.51	
01 22 23 00-1408 MO 8,000 MBH, 240 HP, Oil Fired Hot Water Boiler Rental	11,015.87	
01 22 23 00-1409 MO 8,500 MBH, 255 HP, Oil Fired Hot Water Boiler Rental	11,528.24	
01 22 23 00-1410 MO 9,000 MBH, 270 HP, Oil Fired Hot Water Boiler Rental	12,040.61	
01 22 23 00-1411 MO 9,500 MBH, 285 HP, Oil Fired Hot Water Boiler Rental	12,552.97	
01 22 23 00-1412 MO 10,000 MBH, 300 HP, Oil Fired Hot Water Boiler Rental	13,065.34	
01 22 23 00-1413 MO 10,500 MBH, 315 HP, Oil Fired Hot Water Boiler Rental	13,577.71	
01 22 23 00-1414 MO 11,000 MBH, 330 HP, Oil Fired Hot Water Boiler Rental	14,090.08	
01 22 23 00-1415 MO 11,500 MBH, 345 HP, Oil Fired Hot Water Boiler Rental	14,602.44	
01 22 23 00-1416 MO 12,000 MBH, 360 HP, Oil Fired Hot Water Boiler Rental	15,114.81	
01 22 23 00-1417 MO 12,500 MBH, 375 HP, Oil Fired Hot Water Boiler Rental	15,627.18	
01 22 23 00-1418 MO 13,000 MBH, 390 HP, Oil Fired Hot Water Boiler Rental	16,139.54	
01 22 23 00-1419 MO 13,500 MBH, 405 HP, Oil Fired Hot Water Boiler Rental	16,651.90	
01 22 23 00-1420 MO 14,000 MBH, 420 HP, Oil Fired Hot Water Boiler Rental	17,164.26	
01 22 23 00-1421 MO 14,500 MBH, 435 HP, Oil Fired Hot Water Boiler Rental	17,676.63	
01 22 23 00-1422 MO 15,000 MBH, 450 HP, Oil Fired Hot Water Boiler Rental	18,189.00	
01 22 23 00-1423 MO 15,500 MBH, 465 HP, Oil Fired Hot Water Boiler Rental	18,701.37	
01 22 23 00-1424 MO 16,000 MBH, 480 HP, Oil Fired Hot Water Boiler Rental	19,213.73	
01 22 23 00-1425 MO 16,500 MBH, 495 HP, Oil Fired Hot Water Boiler Rental	19,726.10	
01 22 23 00-1426 MO 17,000 MBH, 510 HP, Oil Fired Hot Water Boiler Rental	20,238.47	
01 22 23 00-1427 Boilers Set-up (01 22 23 00-1382)		
01 22 23 00-1428 EA Set-up Charge For Rental Boiler	8,211.48	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1429 Chillers (01 22 23 00-1381)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1430 Air-Cooled Chillers (01 22 23 00-1429)		
01 22 23 00-1431 MO 25 Ton Air-Cooled Chiller Rental	2,552.14	
For >3 To 6 Month Rental, Deduct	-382.82	
For >6 Months (>26 Weeks), Deduct	-638.04	
01 22 23 00-1432 MO 40 Ton Air-Cooled Chiller Rental	4,083.43	
For >3 To 6 Month Rental, Deduct	-612.51	
For >6 Months (>26 Weeks), Deduct	-1,020.86	
01 22 23 00-1433 MO 60 Ton Air-Cooled Chiller Rental	4,994.49	
For >3 To 6 Month Rental, Deduct	-749.17	
For >6 Months (>26 Weeks), Deduct	-1,248.62	
01 22 23 00-1434 MO 80 Ton Air-Cooled Chiller Rental	5,905.56	
For >3 To 6 Month Rental, Deduct	-885.83	
For >6 Months (>26 Weeks), Deduct	-1,476.39	
01 22 23 00-1435 MO 100 Ton Air-Cooled Chiller Rental	6,816.62	
For >3 To 6 Month Rental, Deduct	-1,022.49	
For >6 Months (>26 Weeks), Deduct	-1,704.16	
01 22 23 00-1436 MO 125 Ton Air-Cooled Chiller Rental	7,897.19	
For >3 To 6 Month Rental, Deduct	-1,184.58	
For >6 Months (>26 Weeks), Deduct	-1,974.30	
01 22 23 00-1437 MO 155 Ton Air-Cooled Chiller Rental	9,553.67	
For >3 To 6 Month Rental, Deduct	-1,433.05	
For >6 Months (>26 Weeks), Deduct	-2,388.42	
01 22 23 00-1438 MO 170 Ton Air-Cooled Chiller Rental	10,216.26	
For >3 To 6 Month Rental, Deduct	-1,532.44	
For >6 Months (>26 Weeks), Deduct	-2,554.07	
01 22 23 00-1439 MO 200 Ton Air-Cooled Chiller Rental	11,735.99	
For >3 To 6 Month Rental, Deduct	-1,760.40	
For >6 Months (>26 Weeks), Deduct	-2,934.00	
01 22 23 00-1440 MO 250 Ton Air-Cooled Chiller Rental	13,964.54	
For >3 To 6 Month Rental, Deduct	-2,094.68	
For >6 Months (>26 Weeks), Deduct	-3,491.14	
01 22 23 00-1441 MO 300 Ton Air-Cooled Chiller Rental	16,295.18	
Note: Includes trailer.		
For >3 To 6 Month Rental, Deduct	-2,444.28	
For >6 Months (>26 Weeks), Deduct	-4,073.80	
01 22 23 00-1442 MO 400 Ton Air-Cooled Chiller Rental	21,495.77	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,224.37	
For >6 Months (>26 Weeks), Deduct	-5,373.94	
01 22 23 00-1443 MO 500 Ton Air-Cooled Chiller Rental	26,607.75	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,991.16	
For >6 Months (>26 Weeks), Deduct	-6,651.94	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1444	EA		Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,707.98	
01 22 23 00-1445			Chiller Rental Accessories (01 22 23 00-1429)		
01 22 23 00-1446	MO		4" x 25' Flexible Water Hose For Chiller Rental	45.48	
01 22 23 00-1447	MO		6" x 25' Flexible Water Hose For Chiller Rental	56.84	
01 22 23 00-1448			Cooling Tower (01 22 23 00-1381) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1449	MO		100 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	3,702.23 -555.33 -925.56	
01 22 23 00-1450	MO		200 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	6,739.50 -1,010.93 -1,684.88	
01 22 23 00-1451	MO		250 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	7,632.17 -1,144.83 -1,908.04	
01 22 23 00-1452	MO		300 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	8,626.56 -1,293.98 -2,156.64	
01 22 23 00-1453	MO		400 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	10,783.20 -1,617.48 -2,695.80	
01 22 23 00-1454	MO		500 Ton Cooling Tower Rental For >3 To 6 Months Rental, Deduct For >6 Months (>26 Weeks), Deduct	12,607.41 -1,891.11 -3,151.85	
01 22 23 00-1455	MO		Set-up Charge For Rental Cooling Tower..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,707.98	
01 22 23 00-1456			Emergency Cooler/Freezer (01 22 23 00-1381) Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1457	DAY		8 x 6 x 7 Emergency Cooler Rental For Half Day Usage, Deduct	148.51 -46.41	
01 22 23 00-1458	WK		8 x 6 x 7 Emergency Cooler Rental	792.04	
01 22 23 00-1459	DAY		10 x 7 x 7 Emergency Cooler Rental For Half Day Usage, Deduct	297.02 -92.82	
01 22 23 00-1460	WK		10 x 7 x 7 Emergency Cooler Rental	1,188.06	
01 22 23 00-1461	MO		10 x 7 x 7 Emergency Cooler Rental	2,970.15	
01 22 23 00-1462	DAY		10 x 7 x 7 Emergency Freezer Rental For Half Day Usage, Deduct	346.52 -108.29	
01 22 23 00-1463	WK		10 x 7 x 7 Emergency Freezer Rental	1,386.07	
01 22 23 00-1464	MO		10 x 7 x 7 Emergency Freezer Rental	3,564.18	
01 22 23 00-1465	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental For Half Day Usage, Deduct	396.02 -123.76	
01 22 23 00-1466	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,584.08	
01 22 23 00-1467	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,960.20	
01 22 23 00-1468			Fuel Oil Tank (01 22 23 00-1381) Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0886 for reimbursable fuel fees.		
01 22 23 00-1469	MO		100 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	449.02 -17.96	
01 22 23 00-1470	MO		275 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	698.48 -27.94	
01 22 23 00-1471	MO		500 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	1,746.20 -69.85	
01 22 23 00-1472	MO		1,000 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	2,910.34 -116.41	
01 22 23 00-1473	MO		2,300 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	3,841.65 -153.67	
01 22 23 00-1474	MO		5,000 Gallon Portable Double Wall Fuel Oil Tank Rental For >6 Months (>26 Weeks), Deduct	6,862.85 -274.51	
01 22 23 00-1475			Portable Spot Cooling Units (01 22 23 00-1381) Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1476	DAY		1 Ton Portable Spot Cooling Unit For Half Day Usage, Deduct	147.20 -46.00	
01 22 23 00-1477	WK		1 Ton Portable Spot Cooling Unit	318.94	
01 22 23 00-1478	MO		1 Ton Portable Spot Cooling Unit For >6 Months (>26 Weeks), Deduct	753.94 -30.16	
01 22 23 00-1479	DAY		1.5 Ton Portable Spot Cooling Unit For Half Day Usage, Deduct	192.49 -60.15	
01 22 23 00-1480	WK		1.5 Ton Portable Spot Cooling Unit	395.37	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1481 MO 1.5 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	927.56 -37.10	
01 22 23 00-1482 DAY 2 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	259.49 -81.09	
01 22 23 00-1483 WK 2 Ton Portable Spot Cooling Unit	542.57	
01 22 23 00-1484 MO 2 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	1,004.93 -40.20	
01 22 23 00-1485 DAY 3 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	271.76 -84.93	
01 22 23 00-1486 WK 3 Ton Portable Spot Cooling Unit	575.60	
01 22 23 00-1487 MO 3 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	1,271.97 -50.88	
01 22 23 00-1488 DAY 5 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	424.62 -132.69	
01 22 23 00-1489 WK 5 Ton Portable Spot Cooling Unit	858.68	
01 22 23 00-1490 MO 5 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	1,784.35 -71.37	
01 22 23 00-1491 DAY 10 To 12 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	554.84 -173.39	
01 22 23 00-1492 WK 10 To 12 Ton Portable Spot Cooling Unit	1,250.27	
01 22 23 00-1493 MO 10 To 12 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	3,017.63 -120.71	
01 22 23 00-1494 DAY 20 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	636.93 -199.04	
01 22 23 00-1495 WK 20 Ton Portable Spot Cooling Unit	1,462.58	
01 22 23 00-1496 MO 20 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	4,076.35 -163.05	
01 22 23 00-1497 DAY 25 Ton Portable Spot Cooling Unit <i>For Half Day Usage, Deduct</i>	905.86 -283.08	
01 22 23 00-1498 WK 25 Ton Portable Spot Cooling Unit	1,835.30	
01 22 23 00-1499 MO 25 Ton Portable Spot Cooling Unit <i>For >6 Months (>26 Weeks), Deduct</i>	4,269.79 -170.79	
01 22 23 00-1500 EA Set-up Charge For Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	292.10	
01 22 23 00-1501 EA Set-up Charge For Rental Of 10 To 15 Ton Portable Spot Cooler..... Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	667.03	
01 22 23 00-1502 EA Set-up Charge For Rental Of 20 To 25 Ton Portable Spot Cooler..... Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	966.56	
01 22 23 00-1503 Air Handling Unit (AHU) (01 22 23 00-1381) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1504 Air Handling Unit (AHU) (01 22 23 00-1503)		
01 22 23 00-1505 MO 5,000 CFM Air Handling Unit Rental..... <i>For >6 Months (>26 Weeks), Deduct</i>	3,166.02 -126.64	
01 22 23 00-1506 MO 10,000 CFM Air Handling Unit Rental..... <i>For >6 Months (>26 Weeks), Deduct</i>	3,273.75 -130.95	
01 22 23 00-1507 MO 25,000 CFM Air Handling Unit Rental..... <i>For >6 Months (>26 Weeks), Deduct</i>	5,379.84 -215.19	
01 22 23 00-1508 Air Handling Unit Set-up (01 22 23 00-1503)		
01 22 23 00-1509 EA Set-up Charge For Rental Air Handling Unit..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,117.61	
01 22 23 00-1510 MO 12" x 100' Flex Duct For AHU Rental..... Note: Includes four (4) 25' sections.	309.83	
01 22 23 00-1511 MO 20" x 100' Flex Duct For AHU Rental..... Note: Includes four (4) 25' sections.	374.64	
01 22 23 00-1512 Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1513 Trucks (01 22 23 00-1512) Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1514 Flat Bed Trucks (01 22 23 00-1513) Note: Includes hydraulic tilt bed.		
01 22 23 00-1515 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,081.46 -800.20 -487.99	
01 22 23 00-1516 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,738.34 -4,000.99	
01 22 23 00-1517 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	19,199.99 -17,337.62 -74.49	
01 22 23 00-1518 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,203.08 -800.20 -526.00	
01 22 23 00-1519 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,050.00 -4,000.99	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1520 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,998.14 -17,337.62 -106.42	
01 22 23 00-1521 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,290.34 -800.20 -553.27	
01 22 23 00-1522 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	5,383.55 -4,000.99	
01 22 23 00-1523 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	21,267.60 -17,337.62 -157.20	
01 22 23 00-1524 Light Off-Road Utility Passenger Vehicles (01 22 23 00-1513)		
01 22 23 00-1525 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle..... For Half Day Usage, Deduct	317.74 -99.29	
01 22 23 00-1526 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	734.78	
01 22 23 00-1527 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle..... For >6 Months (>26 Weeks), Deduct	1,588.72 -63.55	
01 22 23 00-1528 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle..... For Half Day Usage, Deduct	327.67 -102.40	
01 22 23 00-1529 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	764.57	
01 22 23 00-1530 MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle..... For >6 Months (>26 Weeks), Deduct	1,688.02 -67.52	
01 22 23 00-1531 Light And Heavy Duty Trucks (01 22 23 00-1513)		
01 22 23 00-1532 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,033.36 -795.65 -472.11	
01 22 23 00-1533 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	4,758.22 -3,978.23	
01 22 23 00-1534 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	18,873.26 -17,238.99 -65.37	
01 22 23 00-1535 DAY 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,077.93 -795.65 -486.04	
01 22 23 00-1536 WK 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	4,891.94 -3,978.23	
01 22 23 00-1537 MO 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,170.40 -17,238.99 -77.26	
01 22 23 00-1538 Boom Trucks (01 22 23 00-1513)		
01 22 23 00-1539 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,323.94 -800.20 -563.77	
01 22 23 00-1540 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	5,364.70 -4,000.99	
01 22 23 00-1541 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,796.30 -17,337.62 -138.35	
01 22 23 00-1542 Rear Dump Trucks (01 22 23 00-1513)		
01 22 23 00-1543 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,170.92 -800.20 -515.95	
01 22 23 00-1544 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	4,980.18 -4,000.99	
01 22 23 00-1545 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,335.64 -17,337.62 -119.92	
01 22 23 00-1546 DAY 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,293.83 -800.20 -554.36	
01 22 23 00-1547 WK 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct	5,360.98 -4,000.99	
01 22 23 00-1548 MO 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,863.52 -17,337.62 -141.04	
01 22 23 00-1549 DAY 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,364.34 -800.20 -576.39	
01 22 23 00-1550 WK 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver..... For Equipment Without Operator, Deduct	5,512.09 -4,000.99	
01 22 23 00-1551 MO 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	20,964.26 -17,337.62 -145.07	
01 22 23 00-1552 DAY 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,200.49 -800.20 -837.69	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1553	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,234.74	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1554	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,799.78	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-338.49	
01 22 23 00-1555	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,340.51	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-881.45	
01 22 23 00-1556	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,558.12	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1557	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,646.00	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-372.34	
01 22 23 00-1558 Under-Bridge Inspection Trucks (01 22 23 00-1513)				
01 22 23 00-1559	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	4,848.56	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-1,665.21	
01 22 23 00-1560	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	22,054.47	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1561	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	81,333.76	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-2,559.85	
01 22 23 00-1562	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,395.63	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-1,836.17	
01 22 23 00-1563	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	23,148.61	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1564	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	85,462.55	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-2,725.00	
01 22 23 00-1565	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,723.88	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-1,938.75	
01 22 23 00-1566	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	24,789.84	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1567	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	89,591.34	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-2,890.15	
01 22 23 00-1568	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	7,146.27	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-2,383.25	
01 22 23 00-1569	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	31,354.74	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1570	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	110,235.25	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-3,715.91	
01 22 23 00-1571 Vacuum Trucks (01 22 23 00-1513)				
01 22 23 00-1572	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,153.76	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-510.59	
01 22 23 00-1573	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,054.73	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1574	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,450.31	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-124.51	
01 22 23 00-1575	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,190.41	
		For Equipment Without Operator, Deduct	-800.20	
		For Half Day Usage, Deduct	-834.54	
01 22 23 00-1576	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,187.74	
		For Equipment Without Operator, Deduct	-4,000.99	
01 22 23 00-1577	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,692.37	
		For Equipment Without Operator, Deduct	-17,337.62	
		For >6 Months (>26 Weeks), Deduct	-494.19	
01 22 23 00-1578 Water Trucks (01 22 23 00-1513)				
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1271 for additional discharge hose, 01 22 23 00-1617 for water trailer.				
01 22 23 00-1579	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,424.12	
		For Equipment Without Operator, Deduct	-800.20	
		For Each 1,000 Gallon Of Purchased Water, Add	15.32	
		For Half Day Usage, Deduct	-595.08	
01 22 23 00-1580	WK	2,000 Gallon Water Truck With Full-Time Driver	5,643.99	
		For Equipment Without Operator, Deduct	-4,000.99	
		For Each 1,000 Gallon Of Purchased Water, Add	15.32	
01 22 23 00-1581	MO	2,000 Gallon Water Truck With Full-Time Driver	21,219.82	
		For Equipment Without Operator, Deduct	-17,337.62	
		For Each 1,000 Gallon Of Purchased Water, Add	15.32	
		For >6 Months (>26 Weeks), Deduct	-155.29	



General Requirements			01	10
Price and Payment Procedures			01 20	
Unit Prices			01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1582 DAY 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For Half Day Usage, Deduct	1,535.04 -800.20 15.32 -629.74	
01 22 23 00-1583 WK 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	6,413.50 -4,000.99 15.32 -240.42	
01 22 23 00-1584 MO 2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	23,348.10 -17,337.62 15.32 -240.42	
01 22 23 00-1585 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For Half Day Usage, Deduct	1,729.16 -800.20 15.32 -690.40	
01 22 23 00-1586 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	6,559.08 -4,000.99 15.32 -249.57	
01 22 23 00-1587 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Each 1,000 Gallon Of Purchased Water, Add For >6 Months (>26 Weeks), Deduct	23,576.87 -17,337.62 15.32 -249.57	
01 22 23 00-1588 Asphalt Distribution Trucks (01 22 23 00-1513)		
01 22 23 00-1589 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,103.10 -800.20 -807.26	
01 22 23 00-1590 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	7,892.96 -4,000.99 -460.23	
01 22 23 00-1591 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	28,843.25 -17,337.62 -460.23	
01 22 23 00-1592 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1513)		
01 22 23 00-1593 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	1,541.06 -795.65 -630.77	
01 22 23 00-1594 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	6,178.15 -3,978.23 -213.70	
01 22 23 00-1595 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	22,581.42 -17,238.99 -213.70	
01 22 23 00-1596 Combination Jet/Vacuum Trucks (01 22 23 00-1513)		
01 22 23 00-1597 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	3,408.65 -800.20 -1,215.24	
01 22 23 00-1598 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	16,211.70 -4,000.99 -1,357.48	
01 22 23 00-1599 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	3,863.82 -800.20 -1,357.48	
01 22 23 00-1600 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	18,859.55 -4,000.99 -1,494.25	
01 22 23 00-1601 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	4,301.48 -800.20 -1,494.25	
01 22 23 00-1602 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	21,507.39 -4,000.99 -494.19	
01 22 23 00-1603 Vacuum Sweeper Trucks For Bridge Decks (01 22 23 00-1513)		
01 22 23 00-1604 DAY Vacuum Sweeper Truck, With Full-Time Truck Driver For Equipment Without Operator, Deduct For Half Day Usage, Deduct	2,190.41 -800.20 -834.54	
01 22 23 00-1605 WK Vacuum Sweeper Truck, With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	8,187.74 -4,000.99 -494.19	
01 22 23 00-1606 MO Vacuum Sweeper Truck, With Full-Time Truck Driver For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	29,692.37 -17,337.62 -494.19	
01 22 23 00-1607 Straight/Box Trucks (01 22 23 00-1513)		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1608	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate. For Equipment Without Operator, Deduct For Half Day Usage, Deduct	920.30 -800.20 -437.63	
01 22 23 00-1609	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate. For Equipment Without Operator, Deduct	4,601.51 -4,000.99	
01 22 23 00-1610	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate. For Equipment Without Operator, Deduct For >6 Months (>26 Weeks), Deduct	19,110.29 -17,337.62 -70.91	
01 22 23 00-1611		Truck Mounted Accessories (01 22 23 00-1512) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1612		Truck Mounted Arrow Boards (01 22 23 00-1611)		
01 22 23 00-1613	DAY	Truck Mounted Arrow Board For Half Day Usage, Deduct	55.92 -17.48	
01 22 23 00-1614	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1615	MO	Truck Mounted Arrow Board For >6 Months (>26 Weeks), Deduct	792.98 -31.72	
01 22 23 00-1616		Trailers (01 22 23 00-1512) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1617		Water Trailers With Pump (01 22 23 00-1616)		
01 22 23 00-1618	DAY	500 To 600 Gallon Water Trailer With Pump For Half Day Usage, Deduct	159.45 -49.83	
01 22 23 00-1619	WK	500 To 600 Gallon Water Trailer With Pump	409.02	
01 22 23 00-1620	MO	500 To 600 Gallon Water Trailer With Pump For >6 Months (>26 Weeks), Deduct	1,095.34 -43.81	
01 22 23 00-1621		Refrigerated Trailers (01 22 23 00-1616) Note: Excludes electrical supply and connection		
01 22 23 00-1622	MO	8' x 40' Refrigerated Container Trailer Note: Requires 460 volt, 3 phase electrical power connection. See CSI section 10 56 13 00-0000 for metal storage shelving, 26 05 00 00-0000 for electrical wiring.	2,215.32	
01 22 23 00-1623		Manual Powered, Full, Rear Dump Trailer (01 22 23 00-1616)		
01 22 23 00-1624	DAY	10 CY, Manual Powered, Full, Rear Dump Trailer For Half Day Usage, Deduct	231.22 -72.26	
01 22 23 00-1625	WK	10 CY, Manual Powered, Full, Rear Dump Trailer	923.13	
01 22 23 00-1626	MO	10 CY, Manual Powered, Full, Rear Dump Trailer For >6 Months (>26 Weeks), Deduct	3,306.73 -132.27	
01 22 23 00-1627	DAY	13 CY, Manual Powered, Full, Rear Dump Trailer For Half Day Usage, Deduct	265.70 -83.03	
01 22 23 00-1628	WK	13 CY, Manual Powered, Full, Rear Dump Trailer	1,062.81	
01 22 23 00-1629	MO	13 CY, Manual Powered, Full, Rear Dump Trailer For >6 Months (>26 Weeks), Deduct	3,792.82 -151.71	
01 22 23 00-1630	DAY	16 CY, Manual Powered, Full, Rear Dump Trailer For Half Day Usage, Deduct	297.80 -93.06	
01 22 23 00-1631	WK	16 CY, Manual Powered, Full, Rear Dump Trailer	1,182.27	
01 22 23 00-1632	MO	16 CY, Manual Powered, Full, Rear Dump Trailer For >6 Months (>26 Weeks), Deduct	4,208.02 -168.32	
01 22 23 00-1633		Hydraulic Lift, Rear Dump Trailers (01 22 23 00-1616)		
01 22 23 00-1634	DAY	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	266.02 -83.13	
01 22 23 00-1635	WK	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,151.82	
01 22 23 00-1636	MO	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	4,313.08	
01 22 23 00-1637	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	329.14 -102.86	
01 22 23 00-1638	WK	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,431.75	
01 22 23 00-1639	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	5,343.65 -1,669.89	
01 22 23 00-1640	DAY	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	430.42 -134.51	
01 22 23 00-1641	WK	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,857.89	
01 22 23 00-1642	MO	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	6,941.22	
01 22 23 00-1643	DAY	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	454.66 -142.08	
01 22 23 00-1644	WK	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,952.38	
01 22 23 00-1645	MO	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,265.72	
01 22 23 00-1646	DAY	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer For Half Day Usage, Deduct	466.43 -145.76	
01 22 23 00-1647	WK	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,002.31	
01 22 23 00-1648	MO	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,474.34	



General Requirements			01
Price and Payment Procedures			01 20
Unit Prices			01 22

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1649	Trailer Mounted Equipment (01 22 23 00-1512)	
01 22 23 00-1650	Trailer Mounted Under-Bridge Aerial Access Platform (01 22 23 00-1649)	
	Note: Includes full-time operator. Excludes truck.	
01 22 23 00-1651	DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	3,068.07
	For Equipment Without Operator, Deduct	-800.20
	For Half Day Usage, Deduct	-1,108.81
01 22 23 00-1652	WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,804.61
	For Equipment Without Operator, Deduct	-4,000.99
01 22 23 00-1653	MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	36,236.57
	For Equipment Without Operator, Deduct	-17,337.62
	For >6 Months (>26 Weeks), Deduct	-755.96
01 22 23 00-1654	DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,294.86
	For Equipment Without Operator, Deduct	-800.20
	For Half Day Usage, Deduct	-1,179.68
01 22 23 00-1655	WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	11,484.98
	For Equipment Without Operator, Deduct	-4,000.99
01 22 23 00-1656	MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	38,126.47
	For Equipment Without Operator, Deduct	-17,337.62
	For >6 Months (>26 Weeks), Deduct	-831.55
01 22 23 00-1657	Trailer Mounted Bridge Stripping Buggy (01 22 23 00-1649)	
01 22 23 00-1658	DAY Trailer Mounted Bridge Overhang Stripping Buggy	257.34
	For Half Day Usage, Deduct	-80.42
01 22 23 00-1659	WK Trailer Mounted Bridge Overhang Stripping Buggy	772.06
01 22 23 00-1660	MO Trailer Mounted Bridge Overhang Stripping Buggy	2,144.53
	For >6 Months (>26 Weeks), Deduct	-85.78
01 22 23 00-1661	Portable Trailer Mounted, CCTV Camera Systems (01 22 23 00-1649)	
	Note: Includes trailer. Excludes truck.	
01 22 23 00-1662	MO Portable Trailer Mounted, Single Camera, CCTV Camera System	2,978.85
	For >6 Months (>26 Weeks), Deduct	-119.15
01 22 23 00-1663	MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	5,163.34
	For >6 Months (>26 Weeks), Deduct	-206.53

01 30 Administrative Requirements (01)

01 35 Special Procedures (01 30)

01 35 29 Health, Safety, and Emergency Response Procedures (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0066 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.77
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.54

01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

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

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

01 40 Quality Requirements (01)

01 41 Regulatory Requirements (01 40)

01 41 26 Permit Requirements (01 41)

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References (01 40)

01 42 13 Abbreviations and Acronyms (01 42)

Note: For specification publishing. Review specifications for requirements.

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

01 42 16 Definitions (01 42)

Note: For specification publishing. Review specifications for requirements.

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

01 42 19 Reference Standards (01 42)

Note: For specification publishing. Review specifications for requirements.

01 General Requirements**01 40 Quality Requirements****01 42 References**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 42 19 00-0001	NTE		Reference Standards.....	0.00	
Note: For specification publishing. Review specifications for requirements.					
01 42 21 Construction Suppliers or Venor List (01 42)					
Note: For specification publishing. Review specifications for requirements.					
01 42 21 00-0001	NTE		Construction Suppliers or Venor List	0.00	
Note: For specification publishing. Review specifications for requirements.					
01 45 Quality Control (01 40)					
Note: Refer to section specifications for testing included with other sections.					
01 45 23 Testing and Inspecting Services (01 45)					
Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.					
01 45 23 00-0001			Soils/Aggregate Testing (01 45 23)		
01 45 23 00-0002			Field Soils Tests (01 45 23 00-0001)		
01 45 23 00-0003	EA		Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	362.89	
01 45 23 00-0004	EA		4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	515.06	
01 45 23 00-0005	EA		6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	585.30	
01 45 23 00-0006	EA		Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	468.24	
01 45 23 00-0007	EA		Soils Classification Test, ASTM D-2487, Field Soils Test.....	702.36	
01 45 23 00-0008	SET		Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,404.23	
01 45 23 00-0009	EA		Moisture Content, Field Soils Test	52.66	
01 45 23 00-0010	EA		UBC Or Swell Test, Field Soils Test	140.47	
01 45 23 00-0011	EA		Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	351.06	
01 45 23 00-0012	EA		Proctor Compaction 6" Standard Mold, Field Soils Test	438.82	
01 45 23 00-0013	EA		Density And Classification Test, Field Soils Test	106.93	
01 45 23 00-0014	EA		Percolation Test, Field Soils Test	267.32	
01 45 23 00-0015	EA		Infiltration Test, Field Soils Test.....	534.64	
01 45 23 00-0016			Aggregate Testing (01 45 23 00-0001)		
01 45 23 00-0017	EA		Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	117.06	
01 45 23 00-0018	EA		Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	210.71	
01 45 23 00-0019	EA		Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	292.65	
01 45 23 00-0020	EA		Sieve Analysis, Pit Run, ASTM C136	173.76	
Note: Includes wash.					
01 45 23 00-0021	EA		Specific Special Gravity, Course, ASTM C127	185.99	
Note: Includes absorption test.					
01 45 23 00-0022	EA		Special Gravity, Fine, ASTM C127	166.75	
Note: Includes absorption test.					
01 45 23 00-0023	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	247.99	
01 45 23 00-0024	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.12	
01 45 23 00-0025	EA		Aggregate Cleanness Value, ASTM C-128, CA 227	234.12	
01 45 23 00-0026	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	175.59	
01 45 23 00-0027	EA		Fine Aggregate Durability Index, CA 229.....	187.30	
01 45 23 00-0028	EA		Sodium And Magnesium Soundness, ASTM C88	491.48	
01 45 23 00-0029	EA		Los Angeles Rattler, ASTM C-131, CA 211	374.59	
01 45 23 00-0030	EA		Los Angeles Rattler, ASTM C-535	374.59	
01 45 23 00-0031	EA		Unit Weight Of Aggregates, ASTM C29	105.35	
01 45 23 00-0032	EA		Organic Impurities In Sand, ASTM C40	105.32	
01 45 23 00-0033	EA		Crushed Particle, ASTM California Test Method	105.32	
01 45 23 00-0034	EA		Clay Lump And Friable Particles, ASTM C142	210.63	
01 45 23 00-0035			Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0036			In-Place Tests (01 45 23 00-0035)		
01 45 23 00-0037	EA		Double Ring Infiltrometer Test, ASTM D3385.....	1,859.92	
01 45 23 00-0038	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test	87.76	
01 45 23 00-0039			Lab Tests (01 45 23 00-0035)		
01 45 23 00-0040	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	867.96	
01 45 23 00-0041	EA		Falling Head Permeability Test EPA-9100.....	867.96	
01 45 23 00-0042	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	495.98	
01 45 23 00-0043			Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0044			Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0045	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.13	
01 45 23 00-0046	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	74.40	
01 45 23 00-0047	EA		Concrete Cores Compression Test, ASTM C-42	152.18	
01 45 23 00-0048	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78	222.41	
01 45 23 00-0049	EA		Unit Weight Of Concrete Cylinder, ASTM C-567	81.94	
01 45 23 00-0050	EA		Concrete Mix Design Review.....	444.83	



General Requirements			01	01
Quality Requirements			01 40	
Quality Control			01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory	1,053.54	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified	819.42	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	126.42	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143.....	58.53	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	58.53	
01 45 23 00-0056 Cement Testing (01 45 23 00-0043)		
01 45 23 00-0057 EA CCR Title 24, Cement Grab Sample.....	58.53	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials	93.65	
01 45 23 00-0059 Asphaltic Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366	117.06	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	304.36	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559	117.06	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559	304.36	
01 45 23 00-0064 EA Swell Test, CA 305	140.47	
Note: Includes compaction.		
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B.....	351.18	
01 45 23 00-0066 EA Gradation On Extracted Sample, ASTM D-5444	234.12	
01 45 23 00-0067 EA Maximum Theoretical Unit Weight, ASTM C2041.....	223.19	
01 45 23 00-0068 EA Unit Weight Sample Requiring Compaction, California Test Method 308.....	46.82	
01 45 23 00-0069 EA Asphalt Unit Weight On Core Test, CA 308C	46.82	
01 45 23 00-0070 HR Nuclear Field Density Testing, 4 Hour Minimum.....	241.14	
01 45 23 00-0071 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	120.29	
01 45 23 00-0072 EA Penetration, ASTM D5.....	169.10	
01 45 23 00-0073 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0074 Masonry Testing (01 45 23 00-0073)		
01 45 23 00-0075 EA 2" x 4" Cylinder Mortar Compression Test	77.26	
01 45 23 00-0076 EA 4" x 4" x 8" Grout Prisms Compression Test	77.26	
01 45 23 00-0077 EA Masonry Cores Compression Test	152.18	
01 45 23 00-0078 EA Composite Grouted Prism Compression Test.....	292.65	
01 45 23 00-0079 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)		
01 45 23 00-0080 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	187.30	
01 45 23 00-0081 EA Absorption Test, Moisture Content And Unit Weight.....	128.77	
01 45 23 00-0082 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427	491.48	
01 45 23 00-0083 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	245.74	
01 45 23 00-0084 Metals Testing (01 45 23)		
01 45 23 00-0085 Tank Tightness Testing (01 45 23 00-0084)		
01 45 23 00-0086 GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	8.45	
01 45 23 00-0087 GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	7.24	
01 45 23 00-0088 EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing.....	2,172.44	
01 45 23 00-0089 EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,654.35	
01 45 23 00-0090 EA >29,999 Gallons, Tank Volumetric Tightness Testing	3,380.43	
01 45 23 00-0091 Tank Line Tightness Testing (01 45 23 00-0084)		
01 45 23 00-0092 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	458.40	
01 45 23 00-0093 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	509.00	
01 45 23 00-0094 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	559.43	
01 45 23 00-0095 Other Testing (01 45 23)		
01 45 23 00-0096 Special Testing (01 45 23 00-0095)		
01 45 23 00-0097 EA Asphalt Roofing Cutout Samples, To Determine Unit Weight.....	175.53	
01 45 23 00-0098 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,053.17	
01 45 23 00-0099 EA Total Coliform Bacteria And E. Coli Bacteria Test	54.71	
01 45 23 00-0100 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	226.93	
01 45 23 00-0101 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	226.93	
01 45 23 00-0102 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	226.93	
01 45 23 00-0103 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,248.12	
01 45 23 00-0104 EA Testing And Certification Of Backflow Valves	561.77	
01 45 23 00-0105 Non-destructive Field Testing Services (01 45 23 00-0095)		
01 45 23 00-0106 Infrared Thermography (01 45 23 00-0105)		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0107	Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0106) Note: For on the roof surveys.			
01 45 23 00-0108	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	4,084.74	
01 45 23 00-0109	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.81	
		For CADD Drawings, Add	1.36	
01 45 23 00-0110	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.54	
		For CADD Drawings, Add	0.91	
01 45 23 00-0111	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.40	
		For CADD Drawings, Add	0.68	
		For Elevated Infrared Thermography Roof Investigation, Add	0.85	
		For Aerial Infrared Thermography Roof Investigation, Add	0.85	
01 45 23 00-0112	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.27	
		For CADD Drawings, Add	0.45	
		For Elevated Infrared Thermography Roof Investigation, Add	0.57	
		For Aerial Infrared Thermography Roof Investigation, Add	0.57	
01 45 23 00-0113	Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0106) Note: For finding moisture in walls and windows.			
01 45 23 00-0114	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0115	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	3.41	
01 45 23 00-0116	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	2.27	
01 45 23 00-0117	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	1.14	
01 45 23 00-0118	General Building Investigation Using Infrared Thermography (01 45 23 00-0106) Note: For finding missing or misplaced insulation, air leakage and delamination.			
01 45 23 00-0119	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,425.14	
01 45 23 00-0120	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	3.41	
01 45 23 00-0121	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	2.27	
01 45 23 00-0122	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	1.14	
01 45 23 00-0123	Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0106) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.			
01 45 23 00-0124	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0125	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	244.80	
		For Digital Or Analog Recording Of All Items, Add	36.65	
01 45 23 00-0126	Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0106) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.			
01 45 23 00-0127	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0128	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	1.02	
01 45 23 00-0129	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	0.68	
01 45 23 00-0130	Other Non-destructive Field Testing Services (01 45 23 00-0105)			
01 45 23 00-0131	HR	ASNT Certified Level I NDT Consultant	71.78	
01 45 23 00-0132	HR	ASNT Certified Level II NDT Consultant	80.82	
01 45 23 00-0133	HR	ASNT Certified Level III NDT Consultant	94.22	
01 45 23 00-0134	HR	Certified Industrial Radiography Radiation Safety Personnel	104.45	
01 45 23 00-0135	Concrete Slab Moisture Testing (01 45 23 00-0095)			
01 45 23 00-0136	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	166.88	
01 45 29	Testing Laboratory Services (01 45)			
	Note: For application to existing materials/site conditions or additional testing over specifications stated tests.			
01 45 29 00-0001	Soil Borings Laboratory Tests (01 45 29)			
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	161.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	51.43	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	124.00	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	867.96	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	136.08	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	37.20	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	23.11	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	298.36	



General Requirements			01	01
Quality Requirements			01 40	
Quality Control			01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0010 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	104.02	
01 45 29 00-0011 EA Partial Sieve Analysis, Soil Borings Laboratory Test	20.57	
01 45 29 00-0012 EA Laboratory Permeability, Soil Borings Laboratory Test	1,028.53	
01 45 29 00-0013 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	208.04	
01 45 29 00-0014 EA Sulfate Soundness, Soil Borings Laboratory Test	257.13	
01 45 29 00-0015 EA Los Angeles Abrasion, Soil Borings Laboratory Test	475.98	
01 45 29 00-0016 EA Soil Bearing Ratio, ASTM D1883	526.77	
01 45 29 00-0017 EA Compaction Test Subgrade, Soil Borings Laboratory Test	154.28	
01 45 29 00-0018 EA Compaction Test Base Course, Soil Borings Laboratory Test	171.42	
01 45 29 00-0019 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	367.92	
01 45 29 00-0020 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	78.85	

01 50 Temporary Facilities and Controls ^(01 50)

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

01 51 Temporary Utilities ^(01 50)

01 51 13 Temporary Electricity ^(01 51)

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

Note: Includes installation in ground and removal after use.

01 51 13 00-0002 MON 17' To 35' Temporary Wood Power Pole Rental For 100 Amperes Service	96.04
01 51 13 00-0003 MON 17' To 35' Temporary Wood Power Pole Rental For 200 Amperes Service	115.25
01 51 13 00-0004 EA Power Installation For 100 Amperes Service	960.39
Note: One time fee	
01 51 13 00-0005 EA Power Installation For 200 Amperes Service	1,152.47
Note: One time fee	

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

Note: Includes all connections and removal after use.

01 51 13 00-0007 EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,667.54
01 51 13 00-0008 EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,596.83
01 51 13 00-0009 EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,728.91
01 51 13 00-0010 EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,672.39

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

Fuses ^(01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0012 EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,690.03
01 51 13 00-0013 EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,397.77
01 51 13 00-0014 EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,741.34
01 51 13 00-0015 EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,376.99

01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety)

Switches And Temporary Panelboards ^(01 51 13)

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

01 51 13 00-0017 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.50
01 51 13 00-0018 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.69

01 51 26 Temporary Lighting ^(01 51)

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

Note: Includes removal after use.

01 51 26 00-0002 EA Temporary Exit Light	332.12
01 51 26 00-0003 EA Temporary 10 Light String With Cages	120.63
01 51 26 00-0004 EA Temporary High Bay Light	454.30

01 52 Construction Facilities ^(01 50)

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

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

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

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002 MO 8' x 24' Mobile Office, With Toilet	252.05
For Each Delivery And Removal, Two Round Trips, Add	1,522.72
For Each Set-up (Block And Level), Add	887.85
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10
For Knockdown, Add	870.30
For Office Trailer Without Toilet, Deduct	-50.41

01 General Requirements**01 50 Temporary Facilities and Controls****01 52 Construction Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0003 MO 8' x 32' Mobile Office, With Toilet.....	285.65	
For Each Delivery And Removal, Two Round Trips, Add	1,522.72	
For Each Set-up (Block And Level), Add	887.85	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	870.30	
For Office Trailer Without Toilet, Deduct	-57.13	
01 52 13 00-0004 MO 10' x 36' Mobile Office, With Toilet.....	386.47	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
For Office Trailer Without Toilet, Deduct	-77.29	
01 52 13 00-0005 MO 10' x 40' Mobile Office, With Toilet.....	411.68	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
For Office Trailer Without Toilet, Deduct	-82.34	
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	453.69	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	478.89	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	389.04	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
For Each Delivery And Removal, Two Round Trips, Add	794.74	
For Each Set-up (Block And Level), Add	596.40	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	520.13	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	619.20	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	856.12	
For Each Delivery And Removal, Two Round Trips, Add	3,045.45	
For Each Set-up (Block And Level), Add	1,391.43	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	1,303.39	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	1,344.25	
For Each Delivery And Removal, Two Round Trips, Add	4,568.18	
For Each Set-Up (Block And Level), Add	2,496.19	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	2,610.90	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,613.09	
For Each Delivery And Removal, Two Round Trips, Add	4,568.18	
For Each Set-Up (Block And Level), Add	2,496.19	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	2,610.90	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	843.31	
For Each Delivery And Removal, Two Round Trips, Add	4,568.18	
For Each Set-Up (Block And Level), Add	2,496.19	
For Each Anchoring Into Dirt, Add Per Each Anchor	246.83	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	343.10	
For Knockdown, Add	2,610.90	
01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	42.28	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	26.42	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	31.71	
01 52 13 00-0019 MO Table For Field Office Trailer.....	21.14	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	10.01	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	116.26	
01 52 13 00-0022 MO Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer.....	84.55	



General Requirements			01
Temporary Facilities and Controls			01 50
Construction Facilities			01 52

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0023	MO		Security System With Monitoring For Field Office Trailer	133.21	
01 52 13 00-0024	LF		Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.59	
01 52 13 00-0025	LF		Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	39.29	
01 52 13 00-0026	MO		Fax Machine For Field Office Trailer.....	45.30	
01 52 13 00-0027	MO		Copier For Field Office Trailer.....	84.55	
01 52 13 00-0028	MO		Steps For Field Office Trailer	75.54	
01 52 13 00-0029	MO		Steps With Canopy For Field Office Trailer	126.90	
01 52 13 00-0030 Storage Containers (01 52 13)					
01 52 13 00-0031	MO		8' x 8' x 10' Storage Container	140.03	
			For Each Delivery And Removal, Two Round Trips, Add	116.51	
			For >12 Months, Deduct	-31.51	
01 52 13 00-0032	MO		8' x 8' x 20' Storage Container	146.40	
			For Each Delivery And Removal, Two Round Trips, Add	128.16	
			For >12 Months, Deduct	-32.94	
01 52 13 00-0033	MO		8' x 8' x 40' Storage Container	173.13	
			For Each Delivery And Removal, Two Round Trips, Add	258.11	
			For >12 Months, Deduct	-38.95	
01 52 19 Sanitary Facilities (01 52)					
01 52 19 00-0001 Portable Toilets (01 52 19)					
Note: Includes servicing once per week (unless task states otherwise).					
01 52 19 00-0002	WK		Portable Chemical Toilet.....	80.64	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0003	MO		Portable Chemical Toilet.....	241.92	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0004	WK		Americans With Disabilities Act Compliant Portable Chemical Toilet	96.18	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0005	MO		Americans With Disabilities Act Compliant Portable Chemical Toilet	282.24	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0006	WK		Two Station Portable Handwash.....	57.87	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0007	MO		Two Station Portable Handwash.....	175.53	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0008	WK		Four Station Portable Handwash	68.08	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0009	MO		Four Station Portable Handwash	206.51	
			For Each Delivery And Set-up, Add	38.09	
01 52 19 00-0010	MO		6 Station, Portable Toilets, Multi Trailer	6,253.92	
			Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
			For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,223.15	
01 52 19 00-0011	WK		Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,158.86	
			For One Additional Service Per Week, Add	719.62	
			Note: For one less service per week, UOM to be negative one (-1)		
01 52 19 00-0012	MO		34' Length, ADA Restroom Trailer With 950 Gal Waste Tank	6,168.19	
			Note: Includes women's: 3 toilets, 2 sinks; men's: 1 toilet, 2 urinals, 2 sinks; ADA: 1 toilet, 1 sink. Requires 3/4" water source, and four 20 amperes/110 voltage dedicated circuits.		
			For Delivery, Setup, Removal, Add Once	910.07	
			For Weekly Service Of Toilet Trailer, Add Per Month	923.05	
01 53 Temporary Construction (01 50)					
01 53 16 Temporary Decking (01 53)					
01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)					
Note: Includes removal after use.					
01 53 16 00-0002	SF		Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.18	
01 53 16 00-0003	LF		Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	33.26	
01 53 16 00-0004	LF		Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.74	
01 53 16 00-0005	RSR		Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	26.90	
01 53 23 Temporary Ramps (01 53)					
01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)					
Note: Includes removal after use.					
01 53 23 00-0002	SF		Temporary Plywood For Wheel Barrow Access.....	1.54	0.49
01 54 Construction Aids (01 50)					
01 54 09 Personnel Protection Equipment (01 54)					

01	General Requirements
01 50	Temporary Facilities and Controls
01 54	Construction Aids



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 09 00-0001			Personnel Protection Equipment (01 54 09) Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to: protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.		
01 54 09 00-0002	NTE		Personnel Protection Equipment 0.00 Note: For specification publishing. Review specifications for requirements.		
01 54 23			Temporary Scaffolding and Platforms (01 54)		
01 54 23 00-0001			Scaffolding (01 54 23) Note: Additional scaffolding rental for work above the normal working height.		
01 54 23 00-0002			Scaffolding Rental - Rental Only (01 54 23 00-0001) Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF		Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month.....44.13 For Up To 25, Add 17.65 For >25 To 50, Add 11.03 For >50 To 150, Add 4.41		
01 54 23 00-0004	CCF		Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month.....49.62 For Up To 25, Add 19.85 For >25 To 50, Add 12.41 For >50 To 150, Add 4.96		
01 54 23 00-0005	CCF		Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month.....66.19 For Up To 25, Add 26.48 For >25 To 50, Add 16.55 For >50 To 150, Add 6.62		
01 54 23 00-0006			Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF		Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories 47.99		
01 54 23 00-0008	CCF		>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories 62.93		
01 54 23 00-0009	CCF		>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories 83.98		
01 54 23 00-0010	CCF		>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories 92.38		
01 54 23 00-0011	CCF		>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....106.38		
01 54 23 00-0012	CCF		Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories 67.19		
01 54 23 00-0013			Heavy-Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001) Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0014	CCF		Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month.....72.22		
01 54 23 00-0015	CCF		Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month.....132.41		
01 54 23 00-0016	LF		Aluminum Joists, Per LF / Month.....11.74		
01 54 23 00-0017	LF		Aluminum Stringers, Per LF / Month.....16.84		
01 54 23 00-0018	EA		Screw Jack With U-Plate For Stringers, Per EA / Month.....21.22		
01 54 23 00-0019			Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020	CCF		Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....89.58		
01 54 23 00-0021	CCF		>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....111.98		
01 54 23 00-0022	CCF		>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....134.37		
01 54 23 00-0023	CCF		>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....145.57		
01 54 23 00-0024	CCF		>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....162.37		
01 54 23 00-0025			Scaffolding Accessories (01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026	CSF		Netting for Exterior Building Scaffolding.....42.68 Note: Includes removal after use.		
01 54 23 00-0027			Mobile Mast Climbing Scaffolding (01 54 23) Note: Per month.		



General Requirements			01
Temporary Facilities and Controls			01 50
Construction Aids			01 54

TO

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0028 Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month (01 54 23 00-0027)		
01 54 23 00-0029 MO Single Mast Climber, 175' High Mast x 35' Wide Platform	3,300.00	
01 54 23 00-0030 EA Delivery/Pick-up Fee For Single Mast Climber	2,400.00	
Note: Excludes erection or dismantle.		
01 54 23 00-0031 EA Erection For Single Mast Climber	3,000.00	
01 54 23 00-0032 EA Dismantle For Single Mast Climber	2,500.00	
01 54 23 00-0033 SF Additional Scaffolding Planks, Wood, 2"	0.99	
01 54 23 00-0034 Rolling Scaffolding (01 54 23)		
Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0035 DAY >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	14.28	
01 54 23 00-0036 WK >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	57.23	
01 54 23 00-0037 MO >14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	228.90	
01 54 23 00-0038 DAY >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	23.91	
01 54 23 00-0039 WK >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	95.76	
01 54 23 00-0040 MO >20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.....	383.07	
01 54 23 00-0041 EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	130.70	
01 54 23 00-0042 EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	163.37	
01 54 23 00-0043 Shoring Posts (01 54 23)		
01 54 23 00-0044 DAY 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	2.21	
01 54 23 00-0045 WK 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	8.82	
01 54 23 00-0046 MO 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	26.47	
01 54 23 00-0047 DAY Up To 7', 1" Diameter, Steel Cross Brace.....	2.06	
01 54 23 00-0048 WK Up To 7', 1" Diameter, Steel Cross Brace.....	4.12	
01 54 23 00-0049 MO Up To 7', 1" Diameter, Steel Cross Brace.....	8.24	
01 54 23 00-0050 DAY >7' To 10', 1" Diameter, Steel Cross Brace.....	2.98	
01 54 23 00-0051 WK >7' To 10', 1" Diameter, Steel Cross Brace.....	5.96	
01 54 23 00-0052 MO >7' To 10', 1" Diameter, Steel Cross Brace.....	11.92	
01 54 23 00-0053 MO 2' Wide Shoring Frame With Adjustable Screw Jacks	12.91	
01 54 23 00-0054 MO 4' Wide Shoring Frame With Adjustable Screw Jacks	16.88	
01 54 23 00-0055 LF 1-5/8" Diameter, Steel Tube And Clamp Bracing (Per LF/Month).....	7.94	
01 54 23 00-0056 LF 6-1/2" Deep, Aluminum Joist Shoring (Per LF/Month)	5.15	
01 54 23 00-0057 LF 7-1/4" Deep, Aluminum Stringer Shoring (Per LF/Month).....	5.15	
01 54 23 00-0058 CCF Shoring Posts And Frames Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	61.59	
01 54 23 00-0059 EA Initial Erection And Final Dismantling For Each Shoring Post	10.46	
For >20 To 50, Deduct		-1.57
For >50 To 100, Deduct		-3.66
For >100, Deduct		-5.75
01 54 23 00-0060 Temporary Lumber, Single Use (01 54 23)		
Note: Includes removal after use.		
01 54 23 00-0061 SF 5/16" CD Grade Plywood, Temporary Lumber	2.43	
01 54 23 00-0062 SF 1/2" CD Grade Plywood, Temporary Lumber	2.72	
01 54 23 00-0063 SF 5/8" CD Grade Plywood, Temporary Lumber	3.04	
01 54 23 00-0064 SF 3/4" CD Grade Plywood, Temporary Lumber	3.34	
01 54 23 00-0065 SF 1" CD Grade Plywood, Temporary Lumber	4.87	
01 54 23 00-0066 LF 2" x 4" Temporary Lumber.....	3.35	
01 54 23 00-0067 LF 2" x 6" Temporary Lumber.....	4.28	
01 54 23 00-0068 LF 2" x 8" Temporary Lumber.....	5.23	
01 54 23 00-0069 LF 2" x 10" Temporary Lumber.....	6.18	
01 54 23 00-0070 LF 2" x 12" Temporary Lumber.....	7.12	
01 54 23 00-0071 LF 3" x 8" Temporary Lumber.....	7.12	
01 54 23 00-0072 LF 3" x 10" Temporary Lumber.....	8.54	
01 54 23 00-0073 LF 3" x 12" Temporary Lumber.....	9.97	
01 54 23 00-0074 LF 4" x 4" Temporary Lumber.....	4.66	
01 54 23 00-0075 LF 4" x 6" Temporary Lumber.....	6.77	
01 54 23 00-0076 LF 6" x 6" Temporary Lumber.....	8.88	
01 54 23 00-0077 LF 6" x 8" Temporary Lumber.....	11.56	
01 54 23 00-0078 LF 12" x 12" Temporary Lumber.....	28.99	
01 54 23 00-0079 Temporary Precast Concrete Blocks (01 54 23)		
Note: Includes removal after use.		
01 54 23 00-0080 EA 2' x 2' x 2' Temporary Precast Concrete (Ecology) Block	128.83	
Note: Includes removal after use.		
01 54 23 00-0081 EA 2' x 2' x 4' Temporary Precast Concrete (Ecology) Block	161.02	
Note: Includes removal after use.		
01 54 23 00-0082 EA 2' x 2' x 8' Temporary Precast Concrete (Ecology) Block	208.28	
Note: Includes removal after use.		
01 54 26 Temporary Swing Staging (01 54)		
Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		

01	General Requirements
01 50	Temporary Facilities and Controls
01 54	Construction Aids



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 54 26 00-0001	Swing Stage (01 54 26)	
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.	
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated	3,174.68
01 54 26 00-0003	MO 10' Swing Stage, Electric Operated	3,333.41
01 54 26 00-0004	MO 14' Swing Stage, Electric Operated	3,492.14
01 54 26 00-0005	MO 20' Swing Stage, Electric Operated	3,650.88
01 54 26 00-0006	MO 24' Swing Stage, Electric Operated	3,809.61
01 54 26 00-0007	MO 30' Swing Stage, Electric Operated	3,968.35
01 54 26 00-0008	MO 42' Swing Stage, Electric Operated	4,127.08
01 54 26 00-0009	MO 12' Swing Stage, Manually Operated	915.47
01 54 26 00-0010	MO 24' Swing Stage, Manually Operated	1,144.33
01 54 26 00-0011	EA Swing Stage Platform From Hooks, Erection And Dismantling	5,571.25
	Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	
01 54 26 00-0012	EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	7,742.20
	Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	
01 54 26 00-0013	EA Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,929.49
01 54 26 00-0014	EA Move Swing Stage Platform And Temporary Roof Mounted Outrigger System To Different Location At Same Roof	4,080.36

01 55 Vehicular Access and Parking (01 50)

01 55 23 Temporary Roads (01 55)

01 55 23 00-0001	Temporary Stabilized Construction Entrance (01 55 23)	
	Note: As per Caltrans detail.	
01 55 23 00-0002	SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	4.04
	Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	
01 55 23 00-0003	SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	5.00
	Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	

01 55 23 00-0004	Rumble Trench Plate (01 55 23)	
01 55 23 00-0005	MO 8' x 10' Steel Rumble Trench Plate Rental	424.02
01 55 23 00-0006	EA Placement And Removal Of Rumble Plate	109.14
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
01 55 23 00-0007	EA Relocate And Adjust Location Of Rumble Plate	27.28
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	

01 55 23 00-0008	Temporary Road Ramps (Godwin) (01 55 23)	
	Note: Excludes asphalt and gravel.	
01 55 23 00-0009	EA 4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,231.94
01 55 23 00-0010	EA 6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	7,126.86
01 55 23 00-0011	EA 8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,845.84
01 55 23 00-0012	EA 12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	20,393.19
01 55 23 00-0013	EA 24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,910.49
		740.55

01 55 26 Traffic Control (01 55)

01 55 26 00-0001	Temporary Removable Preformed Traffic Black Line Mask (01 55 26)	
	Note: Includes installation and removal after use.	
01 55 26 00-0002	LF 6" Removable Traffic Black Line Mask	5.73
01 55 26 00-0003	LF 8" Removable Traffic Black Line Mask	6.88

01 55 26 00-0004	Temporary Preformed Traffic Line Tape (01 55 26)	
	Note: Includes installation and removal after use.	
01 55 26 00-0005	LF 4" Reflective Removable Traffic Line Tape	5.79
01 55 26 00-0006	LF 6" Reflective Removable Traffic Line Tape	7.85
01 55 26 00-0007	LF 8" Reflective Removable Traffic Line Tape	9.79

01 55 26 00-0008	Temporary Painted Traffic Lines (01 55 26)	
	Note: Includes installation and removal after use.	
01 55 26 00-0009	LF 4" Temporary Painted Traffic Lines	2.51
	Note: Includes removal after use	
	For Not Removed, Deduct	
		-1.80
01 55 26 00-0010	LF 6" Temporary Painted Traffic Lines	3.33
	Note: Includes removal after use	
	For Not Removed, Deduct	
		-2.43
01 55 26 00-0011	LF 8" Temporary Painted Traffic Lines	4.17
	Note: Includes removal after use	
	For Not Removed, Deduct	
		-3.09



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0012 Temporary Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0013 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	12.27	
01 55 26 00-0014 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	16.00	
01 55 26 00-0015 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.67	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	11.83	
01 55 26 00-0017 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	12.85	
01 55 26 00-0018 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	17.57	
01 55 26 00-0019 CLF 1" Exterior Vinyl Warning Tape.....	14.51	
01 55 26 00-0020 CLF 2" Exterior Vinyl Warning Tape.....	20.24	
01 55 26 00-0021 CLF 3" Exterior Vinyl Warning Tape.....	25.33	
01 55 26 00-0022 CLF 4" Exterior Vinyl Warning Tape.....	29.62	
01 55 26 00-0023 Linear Delineation System, Temporary Or Permanent (01 55 26)		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024 LF 4" Linear Delineation System.....	12.19	
01 55 26 00-0025 LF 6" Linear Delineation System.....	16.43	
01 55 26 00-0026 Temporary Traffic Protection (01 55 26)		
01 55 26 00-0027 Temporary Portable Traffic Control Device Usage (01 55 26 00-0026)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0148 for initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0164 for daily (or as needed) placement and removal of temporary traffic devices.		
01 55 26 00-0028 DAY 28" Cone With Reflective Collar.....	0.91	
01 55 26 00-0029 WK 28" Cone With Reflective Collar.....	2.73	
01 55 26 00-0030 MO 28" Cone With Reflective Collar.....	8.19	
01 55 26 00-0031 DAY 36" Traffic Cone With Reflective Collar.....	1.14	
01 55 26 00-0032 WK 36" Traffic Cone With Reflective Collar.....	3.41	
01 55 26 00-0033 MO 36" Traffic Cone With Reflective Collar.....	10.24	
01 55 26 00-0034 DAY Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	2.14	
01 55 26 00-0035 WK Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	6.43	
01 55 26 00-0036 MO Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	19.30	
01 55 26 00-0037 DAY Vertical Panel.....	2.75	
01 55 26 00-0038 WK Vertical Panel.....	8.25	
01 55 26 00-0039 MO Vertical Panel.....	24.75	
01 55 26 00-0040 DAY Channelizer Drum.....	2.99	
01 55 26 00-0041 WK Channelizer Drum.....	8.96	
01 55 26 00-0042 MO Channelizer Drum.....	26.87	
01 55 26 00-0043 DAY Stackable Channelizer Panel.....	1.41	
01 55 26 00-0044 WK Stackable Channelizer Panel.....	4.24	
01 55 26 00-0045 MO Stackable Channelizer Panel.....	12.71	
01 55 26 00-0046 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.95	
01 55 26 00-0047 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	5.86	
01 55 26 00-0048 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	17.59	
01 55 26 00-0049 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	4.33	
01 55 26 00-0050 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	13.00	
01 55 26 00-0051 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	39.00	
01 55 26 00-0052 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	4.94	
01 55 26 00-0053 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	14.81	
01 55 26 00-0054 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	44.44	
01 55 26 00-0055 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	9.03	
01 55 26 00-0056 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	27.10	
01 55 26 00-0057 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	81.30	
01 55 26 00-0058 DAY Up To 10' Wide A Frame Barricade	4.95	
01 55 26 00-0059 WK Up To 10' Wide A Frame Barricade	14.86	
01 55 26 00-0060 MO Up To 10' Wide A Frame Barricade	44.59	
01 55 26 00-0061 DAY Type A Or C Flasher.....	1.01	
01 55 26 00-0062 WK Type A Or C Flasher.....	3.03	
01 55 26 00-0063 MO Type A Or C Flasher.....	9.09	
01 55 26 00-0064 DAY Type B High Intensity Flasher.....	5.48	
01 55 26 00-0065 WK Type B High Intensity Flasher.....	16.43	
01 55 26 00-0066 MO Type B High Intensity Flasher.....	49.30	
01 55 26 00-0067 Temporary Traffic Barriers Usage (01 55 26 00-0026)		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0148 for delivery, placing and removal.		
01 55 26 00-0068 DAY 6' Long Portable Parking Curbs.....	2.36	
01 55 26 00-0069 WK 6' Long Portable Parking Curbs.....	7.08	
01 55 26 00-0070 MO 6' Long Portable Parking Curbs.....	21.23	
01 55 26 00-0071 DAY 6' Long Portable Speed Bumps.....	6.98	
01 55 26 00-0072 WK 6' Long Portable Speed Bumps.....	20.95	
01 55 26 00-0073 MO 6' Long Portable Speed Bumps.....	62.84	
01 55 26 00-0074 DAY 8' To 12.5' Concrete Traffic Barrier	16.77	
01 55 26 00-0075 WK 8' To 12.5' Concrete Traffic Barrier	50.32	
01 55 26 00-0076 MO 8' To 12.5' Concrete Traffic Barrier	150.96	
01 55 26 00-0077 DAY >12.5' To 20' Concrete Traffic Barrier	33.55	
01 55 26 00-0078 WK >12.5' To 20' Concrete Traffic Barrier	100.64	
01 55 26 00-0079 MO >12.5' To 20' Concrete Traffic Barrier	301.92	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0080	DAY	6' x 32" Tall Plastic Water Barrier	20.03	
01 55 26 00-0081	WK	6' x 32" Tall Plastic Water Barrier	60.09	
01 55 26 00-0082	MO	6' x 32" Tall Plastic Water Barrier	180.27	
01 55 26 00-0083	DAY	6' x 46" Tall Plastic Water Barrier	28.60	
01 55 26 00-0084	WK	6' x 46" Tall Plastic Water Barrier	85.80	
01 55 26 00-0085	MO	6' x 46" Tall Plastic Water Barrier	257.41	
01 55 26 00-0086	DAY	Sand Filled Crash Attenuator Barrels.....	11.19	
01 55 26 00-0087	WK	Sand Filled Crash Attenuator Barrels.....	33.58	
01 55 26 00-0088	MO	Sand Filled Crash Attenuator Barrels.....	100.75	
01 55 26 00-0089	MO	Rolling Straight Concrete Barrier, Per Each Barrier Per Month	3,719.85	
01 55 26 00-0090	MO	Rolling Absorbing Concrete Barrier, Per Each Barrier Per Month.....	1,487.94	
01 55 26 00-0091	MO	Rolling Transition Concrete Barrier, Per Each Barrier Per Month	396.78	
01 55 26 00-0092	EA	2 Bay, Non-Gating, Redirecive Crash Cushion System, Test Level 2 (44 MPH), 24" Wide	6,810.31	
		Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0093	MO	2 Bay, Non-Gating, Redirecive Crash Cushion System, Test Level 2 (44 MPH), 24" Wide.....	656.49	
		Note: Rental rate after 1st two months.		
01 55 26 00-0094	EA	5 Bay, Non-Gating, Redirecive Crash Cushion System, Test Level 3 (62 MPH), 24" Wide.....	8,136.58	
		Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0095	MO	5 Bay, Non-Gating, Redirecive Crash Cushion System, Test Level 3 (62 MPH), 24" Wide.....	984.74	
		Note: Rental rate after 1st two months.		
01 55 26 00-0096	EA	8 Bay, Non-Gating, Redirecive Crash Cushion System, Test Level 3 (71 MPH), 24" Wide.....	9,900.52	
		Note: Includes delivery, pickup and two months rental.		
01 55 26 00-0097	MO	8 Bay, Non-Gating, Redirecive Crash Cushion System, 71 MPH, 24" Wide.....	1,203.56	
		Note: Rental rate after 1st two months.		
01 55 26 00-0098	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirecive, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	1,588.72	
		Note: Consists of 8 bays with nose piece at the front of the system.		
01 55 26 00-0099		Temporary Portable Signs And Message Displays Usage (01 55 26 00-0026)		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0148 for delivery, placing and removal.		
01 55 26 00-0100	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.79	
01 55 26 00-0101	WK	Mesh Or Vinyl Roll-up Sign With Stand	26.37	
01 55 26 00-0102	MO	Mesh Or Vinyl Roll-up Sign With Stand	79.10	
01 55 26 00-0103	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand.....	3.45	
01 55 26 00-0104	WK	18" x 18" Aluminum Construction Sign, With Portable Stand.....	10.35	
01 55 26 00-0105	MO	18" x 18" Aluminum Construction Sign, With Portable Stand.....	31.05	
01 55 26 00-0106	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand.....	4.79	
01 55 26 00-0107	WK	30" x 24" Aluminum Construction Sign, With Portable Stand.....	14.37	
01 55 26 00-0108	MO	30" x 24" Aluminum Construction Sign, With Portable Stand.....	43.10	
01 55 26 00-0109	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand.....	4.24	
01 55 26 00-0110	WK	30" x 30" Aluminum Construction Sign, With Portable Stand.....	12.72	
01 55 26 00-0111	MO	30" x 30" Aluminum Construction Sign, With Portable Stand.....	38.16	
01 55 26 00-0112	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand.....	5.24	
01 55 26 00-0113	WK	48" x 18" Aluminum Construction Sign, With Portable Stand.....	15.71	
01 55 26 00-0114	MO	48" x 18" Aluminum Construction Sign, With Portable Stand.....	47.14	
01 55 26 00-0115	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand.....	6.14	
01 55 26 00-0116	WK	48" x 24" Aluminum Construction Sign, With Portable Stand.....	18.41	
01 55 26 00-0117	MO	48" x 24" Aluminum Construction Sign, With Portable Stand.....	55.22	
01 55 26 00-0118	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand.....	7.03	
01 55 26 00-0119	WK	48" x 30" Aluminum Construction Sign, With Portable Stand.....	21.10	
01 55 26 00-0120	MO	48" x 30" Aluminum Construction Sign, With Portable Stand.....	63.30	
01 55 26 00-0121	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand.....	7.93	
01 55 26 00-0122	WK	48" x 36" Aluminum Construction Sign, With Portable Stand.....	23.79	
01 55 26 00-0123	MO	48" x 36" Aluminum Construction Sign, With Portable Stand.....	71.38	
01 55 26 00-0124	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand.....	9.73	
01 55 26 00-0125	WK	48" x 48" Aluminum Construction Sign, With Portable Stand.....	29.18	
01 55 26 00-0126	MO	48" x 48" Aluminum Construction Sign, With Portable Stand.....	87.55	
01 55 26 00-0127	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand.....	9.58	
01 55 26 00-0128	WK	60" x 24" Aluminum Construction Sign, With Portable Stand.....	28.73	
01 55 26 00-0129	MO	60" x 24" Aluminum Construction Sign, With Portable Stand.....	86.20	
01 55 26 00-0130	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand.....	10.70	
01 55 26 00-0131	WK	60" x 30" Aluminum Construction Sign, With Portable Stand.....	32.10	
01 55 26 00-0132	MO	60" x 30" Aluminum Construction Sign, With Portable Stand.....	96.30	
01 55 26 00-0133	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand.....	11.82	
01 55 26 00-0134	WK	60" x 36" Aluminum Construction Sign, With Portable Stand.....	35.47	
01 55 26 00-0135	MO	60" x 36" Aluminum Construction Sign, With Portable Stand.....	106.40	
01 55 26 00-0136	DAY	Aluminum Sign And Post	4.97	
01 55 26 00-0137	WK	Aluminum Sign And Post	14.91	
01 55 26 00-0138	MO	Aluminum Sign And Post	44.74	
01 55 26 00-0139	DAY	Trailer Mounted Flashing Arrow Board	141.67	
01 55 26 00-0140	WK	Trailer Mounted Flashing Arrow Board	392.12	
01 55 26 00-0141	MO	Trailer Mounted Flashing Arrow Board	1,037.22	
01 55 26 00-0142	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	276.99	
01 55 26 00-0143	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	738.64	
01 55 26 00-0144	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,477.28	
01 55 26 00-0145	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two	1,495.13	
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

10

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0146	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,485.39	
01 55 26 00-0147	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,456.17	
01 55 26 00-0148		Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck (01 55 26 00-0026) Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0164 for daily (or as needed) placement and removal of temporary traffic devices, 01 74 19 00-0041 for delivery >15 miles.		
01 55 26 00-0149	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck.....	4.32	
01 55 26 00-0150	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck.....	3.77	
01 55 26 00-0151	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	7.12	
01 55 26 00-0152	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.93	
01 55 26 00-0153	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.79	
01 55 26 00-0154	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck.....	8.63	
01 55 26 00-0155	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.79	
01 55 26 00-0156	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.47	
01 55 26 00-0157	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	26.97	
01 55 26 00-0158	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck.....	80.90	
01 55 26 00-0159	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	109.14	
		For 1 Barrier, Add	272.85	
		For 2 Barriers, Add	98.23	
		For 3 Barriers, Add	32.74	
01 55 26 00-0160	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	163.70	
		For 1 Barrier, Add	409.25	
		For 2 Barriers, Add	147.33	
		For 3 Barriers, Add	49.11	
01 55 26 00-0161	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	62.23	
		For 1 Barrier, Add	136.43	
		For 2 Barriers, Add	49.11	
		For 3 Barriers, Add	16.37	
01 55 26 00-0162	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	81.85	
		For 1 Barrier, Add	204.63	
		For 2 Barriers, Add	73.67	
		For 3 Barriers, Add	24.56	
01 55 26 00-0163	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)..... Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	600.26	
01 55 26 00-0164		Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) (01 55 26 00-0026)		
01 55 26 00-0165	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.69	
01 55 26 00-0166	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.16	
01 55 26 00-0167	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area.....	3.59	
01 55 26 00-0168	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area.....	2.86	
01 55 26 00-0169	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area.....	5.39	
01 55 26 00-0170	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	4.32	
01 55 26 00-0171	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	3.32	
01 55 26 00-0172	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area.....	40.45	
01 55 26 00-0173	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area	54.57	
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0174		Place And Remove Temporary Signs For Detours (01 55 26 00-0026)		
01 55 26 00-0175		Temporary Reflectorized Signs For Detours (01 55 26 00-0174) Note: Excludes posts.		
01 55 26 00-0176		Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0175)		
01 55 26 00-0177	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	104.60 10.19 19.37	

01 General Requirements**01 50 Temporary Facilities and Controls****01 55 Vehicular Access and Parking**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0178	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	118.98 13.33 25.33	
01 55 26 00-0179	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	128.14 20.36 32.29	
01 55 26 00-0180	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	146.00 7.63 41.35	
01 55 26 00-0181	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	188.26 22.43 70.34	
01 55 26 00-0182		Other Temporary Reflectorized Traffic Signs For Detours (01 55 26 00-0175) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0183		Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0182)		
01 55 26 00-0184	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	71.20 2.53	
01 55 26 00-0185	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	75.41 3.79	
01 55 26 00-0186	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	75.41 3.79	
01 55 26 00-0187	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	78.56 4.73	
01 55 26 00-0188	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	81.72 5.68	
01 55 26 00-0189	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	91.95 7.58	
01 55 26 00-0190	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	117.21 15.15	
01 55 26 00-0191	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	79.62 5.05	
01 55 26 00-0192	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	91.95 7.58	
01 55 26 00-0193	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	100.37 10.10	
01 55 26 00-0194	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	108.79 12.63	
01 55 26 00-0195	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	117.21 15.15	
01 55 26 00-0196	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	104.58 11.36	
01 55 26 00-0197	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	117.21 15.15	
01 55 26 00-0198	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	133.76 18.94	
01 55 26 00-0199	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	146.38 22.73	
01 55 26 00-0200	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	199.96 34.09	
01 55 26 00-0201	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	137.97 20.21	
01 55 26 00-0202	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	154.80 25.25	
01 55 26 00-0203	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	171.64 30.31	
01 55 26 00-0204	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	204.17 35.36	
01 55 26 00-0205	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	221.01 40.41	
01 55 26 00-0206	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	237.85 45.46	
01 55 26 00-0207	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	175.85 31.57	
01 55 26 00-0208	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	212.59 37.88	
01 55 26 00-0209	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	233.64 44.20	
01 55 26 00-0210	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	270.37 50.51	
01 55 26 00-0211	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	328.15 63.14	
01 55 26 00-0212	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	237.85 45.46	
01 55 26 00-0213	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	278.79 53.03	
01 55 26 00-0214	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	319.74 60.61	
01 55 26 00-0215	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	344.99 68.19	
01 55 26 00-0216	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours..... <i>For Hi-Intensity Grade, Add</i>	385.94 75.76	



General Requirements			01	10
Temporary Facilities and Controls			01 50	
Vehicular Access and Parking			01 55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0217	EA		Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours.....	456.35	
			For Hi-Intensity Grade, Add	92.18	
01 55 26 00-0218	EA		Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours.....	477.40	
			For Hi-Intensity Grade, Add	98.49	
01 55 26 00-0219	EA		Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours.....	627.21	
			For Hi-Intensity Grade, Add	136.37	
01 55 26 00-0220	EA		Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours.....	323.94	
			For Hi-Intensity Grade, Add	61.87	
01 55 26 00-0221	EA		Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	402.78	
			For Hi-Intensity Grade, Add	80.81	
01 55 26 00-0222	EA		Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	452.14	
			For Hi-Intensity Grade, Add	90.92	
01 55 26 00-0223	EA		Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours.....	485.82	
			For Hi-Intensity Grade, Add	101.02	
01 55 26 00-0224	EA		Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours.....	543.03	
			For Hi-Intensity Grade, Add	111.12	
01 55 26 00-0225	EA		Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours.....	576.70	
			For Hi-Intensity Grade, Add	121.22	
01 55 26 00-0226	EA		Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours.....	659.75	
			For Hi-Intensity Grade, Add	141.43	
01 55 26 00-0227	EA		Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours.....	727.09	
			For Hi-Intensity Grade, Add	161.63	
01 55 26 00-0228	EA		Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours.....	760.76	
			For Hi-Intensity Grade, Add	171.73	
01 55 26 00-0229	EA		Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours.....	802.28	
			For Hi-Intensity Grade, Add	181.83	
01 55 26 00-0230	EA		Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours.....	693.42	
			For Hi-Intensity Grade, Add	151.53	
01 55 26 00-0231	EA		Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours.....	1,071.66	
			For Hi-Intensity Grade, Add	262.65	
01 55 26 00-0232			Temporary Overhead Sign Structures For Detours (01 55 26 00-0174)		
			Note: Including horizontal Z-bars.		
01 55 26 00-0233	SF		From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours.....	22.50	
			For Over 10' High, Add	13.00	
01 55 26 00-0234			Temporary Sign Posts For Detours (01 55 26 00-0174)		
			Note: Excludes sign.		
01 55 26 00-0235			Temporary U-Channel Sign Posts For Detours (01 55 26 00-0234)		
			Note: Excludes digging and concrete.		
01 55 26 00-0236			Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0235)		
01 55 26 00-0237	EA		Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours.....	93.04	
01 55 26 00-0238	EA		Temporary 6' Baked Enamel U-Channel Sign Post For Detours.....	120.85	
01 55 26 00-0239	EA		Temporary 7' Baked Enamel U-Channel Sign Post For Detours.....	144.45	
01 55 26 00-0240	EA		Temporary 8' Baked Enamel U-Channel Sign Post For Detours.....	169.01	
01 55 26 00-0241	EA		Temporary 10' Baked Enamel U-Channel Sign Post For Detours.....	204.20	
01 55 26 00-0242	EA		Temporary 12' Baked Enamel U-Channel Sign Post For Detours.....	216.85	
01 55 26 00-0243			Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0235)		
01 55 26 00-0244	EA		Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours.....	99.03	
01 55 26 00-0245	EA		Temporary 6' Galvanized Steel U-Channel Sign Post For Detours.....	130.35	
01 55 26 00-0246	EA		Temporary 7' Galvanized Steel U-Channel Sign Post For Detours.....	165.95	
01 55 26 00-0247	EA		Temporary 8' Galvanized Steel U-Channel Sign Post For Detours.....	192.77	
01 55 26 00-0248	EA		Temporary 10' Galvanized Steel U-Channel Sign Post For Detours.....	221.50	
01 55 26 00-0249	EA		Temporary 12' Galvanized Steel U-Channel Sign Post For Detours.....	231.90	
01 55 26 00-0250			Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0235)		
01 55 26 00-0251	EA		Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	91.63	
01 55 26 00-0252	EA		Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	117.77	
01 55 26 00-0253	EA		Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	140.74	
01 55 26 00-0254	EA		Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	164.59	
01 55 26 00-0255	EA		Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	196.18	
01 55 26 00-0256	EA		Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	212.10	
01 55 26 00-0257			Temporary Tubular Sign Posts For Detours (01 55 26 00-0234)		
			Note: Excludes digging and concrete.		
01 55 26 00-0258			Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0257)		
01 55 26 00-0259	EA		Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	131.33	
01 55 26 00-0260	EA		Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	156.19	
01 55 26 00-0261	EA		Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	184.06	
01 55 26 00-0262	EA		Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	234.50	
01 55 26 00-0263	EA		Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	253.48	

01 General Requirements**01 50 Temporary Facilities and Controls****01 55 Vehicular Access and Parking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0264 Temporary Square Sign Posts For Detours (01 55 26 00-0234) Note: Excludes digging and concrete.		
01 55 26 00-0265 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0264)		
01 55 26 00-0266 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	100.36	
01 55 26 00-0267 EA Temporary 6' Galvanized Steel Square Sign Post For Detours	152.86	
01 55 26 00-0268 EA Temporary 7' Galvanized Steel Square Sign Post For Detours	179.95	
01 55 26 00-0269 EA Temporary 8' Galvanized Steel Square Sign Post For Detours	209.91	
01 55 26 00-0270 EA Temporary 10' Galvanized Steel Square Sign Post For Detours	256.08	
01 55 26 00-0271 EA Temporary 12' Galvanized Steel Square Sign Post For Detours	275.47	
01 55 26 00-0272 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0174) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0273 Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0272)		
01 55 26 00-0274 Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0273)		
01 55 26 00-0275 EA Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	115.81	
01 55 26 00-0276 EA Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	71.35	
01 55 26 00-0277 Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0273)		
01 55 26 00-0278 LF Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours.....	13.16	
01 55 26 00-0279 Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0272)		
01 55 26 00-0280 Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0279)		
01 55 26 00-0281 EA Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	119.38	
01 55 26 00-0282 EA Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	71.35	
01 55 26 00-0283 Temporary Breakaway Sign Posts, 4 Lb./LF For Detours (01 55 26 00-0279)		
01 55 26 00-0284 LF Temporary Breakaway Sign Post, 4 Lb./LF For Detours.....	15.37	
01 55 26 00-0285 Temporary Driven Sign Posts For Detours (01 55 26 00-0272)		
01 55 26 00-0286 Temporary Driven Posts, 2.5 Lb./LF For Detours (01 55 26 00-0285)		
01 55 26 00-0287 LF Temporary Driven Post, 2.5 Lb./LF For Detours	15.24	
For Each Soil Plate, Add	3.00	
01 55 26 00-0288 Temporary Driven Posts, 4 Lb./LF For Detours (01 55 26 00-0285)		
01 55 26 00-0289 LF Temporary Driven Post, 4 Lb./LF For Detours	18.50	
For Each Soil Plate, Add	3.00	
01 55 26 00-0290 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0272)		
01 55 26 00-0291 Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0290) Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0292 EA Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,236.68	
01 55 26 00-0293 EA Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650)	1,317.91	
01 55 26 00-0294 EA Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16).....	903.50	
01 55 26 00-0295 EA Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5).....	791.34	
01 55 26 00-0296 EA Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4).....	897.28	
01 55 26 00-0297 EA Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6).....	853.66	
01 55 26 00-0298 EA Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6).....	793.51	
01 55 26 00-0299 Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0290) Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0300 EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	447.42	
01 55 26 00-0301 EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	469.14	
01 55 26 00-0302 EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	487.16	
01 55 26 00-0303 EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	739.70	
01 55 26 00-0304 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	64.95	
01 55 26 00-0305 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	86.61	



General Requirements			01
Temporary Facilities and Controls			01 50
Vehicular Access and Parking			01 55

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 55 26 00-0306 Temporary Rumble Strips (01 55 26)

Note: Includes removal after use.

01 55 26 00-0307	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	14.52
01 55 26 00-0308	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	10.49

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

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

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

01 56 16 00-0002	SF	4 Mil, Plastic Sheeting, Applied To Floors	0.40
01 56 16 00-0003	SF	4 Mil, Plastic Sheeting, Applied To Walls.....	0.53
01 56 16 00-0004	SF	4 Mil, Plastic Sheeting, Applied To Ceilings.....	0.72
01 56 16 00-0005	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.43
01 56 16 00-0006	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.56
01 56 16 00-0007	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.75
01 56 16 00-0008	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.44
Note: Includes removal after use.			
01 56 16 00-0009	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.57
Note: Includes removal after use.			
01 56 16 00-0010	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.76
Note: Includes removal after use.			
01 56 16 00-0011	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.74
Note: Includes removal after use.			
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.52
Note: Includes removal after use.			
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.65
Note: Includes removal after use.			
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.84
Note: Includes removal after use.			
01 56 16 00-0015	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.78
Note: Includes removal after use.			
01 56 16 00-0016	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.55
Note: Includes removal after use.			
01 56 16 00-0017	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls	0.68
Note: Includes removal after use.			
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.87
Note: Includes removal after use.			
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.81
Note: Includes removal after use.			
01 56 16 00-0020	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.54
Note: Includes removal after use.			
01 56 16 00-0021	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.67
Note: Includes removal after use.			
01 56 16 00-0022	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.86
Note: Includes removal after use.			
01 56 16 00-0023	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.80
Note: Includes removal after use.			
01 56 16 00-0024	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.61
Note: Includes removal after use.			
01 56 16 00-0025	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.74
Note: Includes removal after use.			
01 56 16 00-0026	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.93
Note: Includes removal after use.			
01 56 16 00-0027	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.87
Note: Includes removal after use.			
01 56 16 00-0028	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	1.00
Note: Includes removal after use.			

01 56 16 00-0029 Temporary Canvas For Protection (01 56 16)

Note: Includes removal after use.

01 56 16 00-0030	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.17

01 56 16 00-0031 Accessories For Temporary Sheeting (01 56 16)

Note: Includes removal after use.

01 56 16 00-0032	EA	7' Zipper Door For Plastic Sheeting	22.12
Note: Includes removal after use.			
01 56 16 00-0033	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	9.49
Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.			

01 56 16 00-0034 Temporary Critical Barriers For Protection (01 56 16)

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

01 56 16 00-0035	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles	11.67
Note: Includes removal after use.			
01 56 16 00-0036	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc.	17.73
Note: Includes removal after use.			

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0037	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc.	23.85	
		Note: Includes removal after use.		
01 56 16 00-0038	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc.	37.46	
		Note: Includes removal after use.		
01 56 16 00-0039		Temporary Stud Wall (01 56 16)		
		Note: Includes removal after use.		
01 56 16 00-0040		Temporary Stud Wall With Drywall (01 56 16 00-0039)		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0041		Temporary Stud Wall With Drywall (01 56 16 00-0040)		
01 56 16 00-0042	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.30	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0043	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.30	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0044	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.42	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0045	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.75	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0046	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.75	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0047	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.98	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0048		Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0040)		
01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.43	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.47	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.40	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.29	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0053	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.01	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0054	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.09	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0055	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.95	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0056	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.72	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0057		Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0039)		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0058	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.10	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0059	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.14	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0060	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.26	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0061	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.32	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.07	
01 56 16 00-0062	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.34	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	
01 56 16 00-0063	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.42	
		Note: Includes removal after use.		
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0064	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 8.66 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0065	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 8.79 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0066 Temporary Stud Wall With BC Plywood (01 56 16 00-0039)					
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.					
01 56 16 00-0067	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 6.38 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0068	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 6.54 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0069	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 6.77 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0070	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 6.91 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0071	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 8.91 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0072	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 9.22 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0073	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 9.69 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0074	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 9.97 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.16		
01 56 16 00-0075 Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0039)					
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.					
01 56 16 00-0076	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.61 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.96		
01 56 16 00-0077	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.69 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.96		
01 56 16 00-0078	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.72 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.96		
01 56 16 00-0079	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.71 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.96		
01 56 16 00-0080	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.78 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.96		
01 56 16 00-0081 14' High Temporary Stud Walls (01 56 16 00-0039)					
01 56 16 00-0082	LF		14' High Temporary Stud Wall 151.34 Note: Includes 2" x 4" wood studs 16" O.C., with 2" x 4" top and bottom stud, 3/4" plywood on one side, 5/8" gypsum board on one side, firetaped and finished, visqueen with 2' lap welded seams, R13 insulation and caulked at top and bottom.		
01 56 16 00-0083 Temporary Doors (01 56 16 00-0039)					
Note: For temporary stud walls. Includes removal after use.					
01 56 16 00-0084	EA		Temporary Metal Door And Frame 581.11 Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0085 Temporary Floor Protection (01 56 16)					
Note: Includes removal after use.					
01 56 16 00-0086	SF		1/8" Thick, Masonite For Temporary Floor Protection 1.78 Note: Includes removal after use.		
01 56 16 00-0087	SF		1/2" Thick, Plywood For Temporary Floor Protection 1.86 Note: Includes removal after use.		
01 56 16 00-0088	SF		3/4" Thick, Plywood For Temporary Floor Protection 2.11 Note: Includes removal after use.		
01 56 16 00-0089	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection 0.95 Note: Includes removal after use.		
01 56 16 00-0090	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection 0.38 Note: Includes removal after use.		
01 56 16 00-0091	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film 29.51 Note: Includes removal after use.		

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0092	SF		Burlap For Temporary Floor Protection..... Note: Includes removal after use.	0.84	
01 56 16 00-0093	LF		36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.68	
			<i>For Seam Tape, Add Per LF</i>	0.28	
01 56 16 00-0094	LF		36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.79	
			<i>For Seam Tape, Add Per LF</i>	0.28	
01 56 16 00-0095			Sticky Mats (01 56 16) Note: Includes removal after use.		
01 56 16 00-0096	EA		18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	40.22	
			<i>For 60 Layers Instead Of 30, Add</i>	26.24	
01 56 16 00-0097	EA		18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	46.05	
			<i>For 60 Layers Instead Of 30, Add</i>	30.61	
01 56 16 00-0098	EA		24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	46.05	
			<i>For 60 Layers Instead Of 30, Add</i>	30.61	
01 56 16 00-0099	EA		25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	60.63	
			<i>For 60 Layers Instead Of 30, Add</i>	41.54	
01 56 16 00-0100	EA		36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	66.46	
			<i>For 60 Layers Instead Of 30, Add</i>	45.92	
01 56 16 00-0101	EA		36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	72.29	
			<i>For 60 Layers Instead Of 30, Add</i>	50.29	
01 56 16 00-0102	EA		36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	145.17	
			<i>For 60 Layers Instead Of 30, Add</i>	104.95	
01 56 16 00-0103	EA		36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	173.15	
01 56 26			Temporary Fencing (01 56)		
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Per ASTM A392-06 Standards		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	7.75	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.54	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	8.63	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.60	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	11.84	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.02	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	25.79	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-3.04	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	8.12	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	9.03	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.66	
			<i>For Each LF Shade Cloth, Add</i>	2.55	



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

TO

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	12.51	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.75	
			For >500, Deduct	-1.12	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	27.81	
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-3.34	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)					
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	8.52	
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.43	
			For >500, Deduct	-0.65	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	9.49	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.49	
			For >500, Deduct	-0.73	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	13.27	
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-1.24	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	30.04	
			For >100 To 250, Deduct	-1.22	
			For >250 To 500, Deduct	-2.45	
			For >500, Deduct	-3.67	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)					
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months	8.94	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.71	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months	9.94	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.53	
			For >500, Deduct	-0.80	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months	14.08	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.36	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022	LF		Temporary 10' High Chain Link Fence And Posts, >18 Months.....	32.48	
			For >100 To 250, Deduct	-1.35	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-4.04	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)					
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for auguring and backfill of posts.					
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)					
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)					
01 56 26 00-0026	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	306.05	
			For Each LF Shade Cloth, Add	16.99	
01 56 26 00-0027	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	521.42	
			For Each LF Shade Cloth, Add	42.48	
01 56 26 00-0028	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	583.50	
			For Each LF Shade Cloth, Add	50.98	
01 56 26 00-0029	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	664.40	
			For Each LF Shade Cloth, Add	63.72	
01 56 26 00-0030	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	795.36	
			For Each LF Shade Cloth, Add	84.96	
01 56 26 00-0031	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	885.82	
			For Each LF Shade Cloth, Add	101.96	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)					
01 56 26 00-0033	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	327.91	
			For Each LF Shade Cloth, Add	27.08	
01 56 26 00-0034	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	563.65	
			For Each LF Shade Cloth, Add	67.71	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0035	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	632.21	
			<i>For Each LF Shade Cloth, Add</i>	81.25	
01 56 26 00-0036	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	733.23	
			<i>For Each LF Shade Cloth, Add</i>	101.56	
01 56 26 00-0037	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	886.05	
			<i>For Each LF Shade Cloth, Add</i>	135.41	
01 56 26 00-0038	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,006.51	
			<i>For Each LF Shade Cloth, Add</i>	162.49	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)					
01 56 26 00-0040	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	366.34	
			<i>For Each LF Shade Cloth, Add</i>	38.23	
01 56 26 00-0041	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	646.71	
			<i>For Shade Cloth, Add</i>	95.58	
01 56 26 00-0042	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	722.85	
			<i>For Shade Cloth, Add</i>	114.70	
01 56 26 00-0043	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	827.89	
			<i>For Shade Cloth, Add</i>	143.38	
01 56 26 00-0044	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,011.80	
			<i>For Shade Cloth, Add</i>	191.17	
01 56 26 00-0045	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,176.15	
			<i>For Shade Cloth, Add</i>	229.40	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)					
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	443.39	
			<i>For Each LF Shade Cloth, Add</i>	50.45	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	774.64	
			<i>For Each LF Shade Cloth, Add</i>	126.12	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	867.63	
			<i>For Each LF Shade Cloth, Add</i>	151.34	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	992.23	
			<i>For Each LF Shade Cloth, Add</i>	189.18	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,212.95	
			<i>For Each LF Shade Cloth, Add</i>	252.23	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,403.47	
			<i>For Each LF Shade Cloth, Add</i>	302.68	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)					
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)					
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	317.43	
			<i>For Each LF Shade Cloth, Add</i>	16.99	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.12	
			<i>For Each LF Shade Cloth, Add</i>	42.48	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	603.72	
			<i>For Each LF Shade Cloth, Add</i>	50.98	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	687.16	
			<i>For Each LF Shade Cloth, Add</i>	63.72	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	823.18	
			<i>For Each LF Shade Cloth, Add</i>	84.96	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	916.17	
			<i>For Each LF Shade Cloth, Add</i>	101.96	
01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)					
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	339.81	
			<i>For Each LF Shade Cloth, Add</i>	27.08	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	582.15	
			<i>For Each LF Shade Cloth, Add</i>	67.71	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	653.36	
			<i>For Each LF Shade Cloth, Add</i>	81.25	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	757.02	
			<i>For Each LF Shade Cloth, Add</i>	101.56	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	915.13	
			<i>For Each LF Shade Cloth, Add</i>	135.41	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,038.23	
			<i>For Each LF Shade Cloth, Add</i>	162.49	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)					
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	379.42	
			<i>For Each LF Shade Cloth, Add</i>	38.23	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	667.06	
			<i>For Shade Cloth, Add</i>	95.58	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	746.12	
			<i>For Shade Cloth, Add</i>	114.70	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	854.07	
			<i>For Shade Cloth, Add</i>	143.38	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,043.79	
			<i>For Shade Cloth, Add</i>	191.17	



General Requirements			01	TO
Temporary Facilities and Controls			01 50	
Temporary Barriers and Enclosures			01 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	1,211.05 229.40	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	459.74 50.45	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	800.09 126.12	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	896.71 151.34	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,024.95 189.18	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,252.94 252.23	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,447.09 302.68	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	329.37 16.99	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	557.70 42.48	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	624.97 50.98	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	711.06 63.72	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	852.38 84.96	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	948.03 101.96	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	352.30 27.08	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	601.58 67.71	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	675.57 81.25	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	782.01 101.56	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	945.67 135.41	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,071.54 162.49	
01 56 26 00-0097			8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	393.16 38.23	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	688.43 95.58	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	770.55 114.70	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	881.55 143.38	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	1,077.38 191.17	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	1,247.69 229.40	
01 56 26 00-0104			10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	476.92 50.45	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	826.81 126.12	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	927.25 151.34	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,059.30 189.18	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,294.92 252.23	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,492.89 302.68	
01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	341.32	
		For Each LF Shade Cloth, Add	16.99	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	576.29	
		For Each LF Shade Cloth, Add	42.48	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	646.21	
		For Each LF Shade Cloth, Add	50.98	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	734.95	
		For Each LF Shade Cloth, Add	63.72	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	881.59	
		For Each LF Shade Cloth, Add	84.96	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	979.89	
		For Each LF Shade Cloth, Add	101.96	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	364.79	
		For Each LF Shade Cloth, Add	27.08	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	621.01	
		For Each LF Shade Cloth, Add	67.71	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	697.77	
		For Each LF Shade Cloth, Add	81.25	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	806.99	
		For Each LF Shade Cloth, Add	101.56	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	976.20	
		For Each LF Shade Cloth, Add	135.41	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,104.85	
		For Each LF Shade Cloth, Add	162.49	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	406.90	
		For Each LF Shade Cloth, Add	38.23	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	709.81	
		For Shade Cloth, Add	95.58	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	794.97	
		For Shade Cloth, Add	114.70	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	909.03	
		For Shade Cloth, Add	143.38	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,110.96	
		For Shade Cloth, Add	191.17	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,284.33	
		For Shade Cloth, Add	229.40	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	494.09	
		For Each LF Shade Cloth, Add	50.45	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	853.52	
		For Each LF Shade Cloth, Add	126.12	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	957.78	
		For Each LF Shade Cloth, Add	151.34	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,093.65	
		For Each LF Shade Cloth, Add	189.18	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,336.90	
		For Each LF Shade Cloth, Add	252.23	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,538.69	
		For Each LF Shade Cloth, Add	302.68	
01 56 26 00-0140		Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
		Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141		Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.45	
		For >100 To 250, Deduct	-0.21	
		For >250 To 500, Deduct	-0.43	
		For >500, Deduct	-0.64	
		For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	9.39	
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.48	
		For >500, Deduct	-0.72	
		For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	12.75	
		For >100 To 250, Deduct	-0.39	
		For >250 To 500, Deduct	-0.77	
		For >500, Deduct	-1.16	
		For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0145		Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	8.82	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.46	
			For >500, Deduct	-0.70	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	9.79	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.78	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	13.43	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.26	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0149			Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	9.19	
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.50	
			For >500, Deduct	-0.75	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	10.25	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.85	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	14.19	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.37	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	9.65	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.55	
			For >500, Deduct	-0.82	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	10.71	
			For >100 To 250, Deduct	-0.31	
			For >250 To 500, Deduct	-0.61	
			For >500, Deduct	-0.92	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	14.98	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-1.00	
			For >500, Deduct	-1.49	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0157			Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag.....	7.77	
			Note: Includes placement and removal.		
01 56 26 00-0159			Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
			Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160			Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts.....	3.66	
01 56 26 00-0162	LF		Relocate Temporary 6' High Chain Link Fence And Posts.....	5.49	
01 56 26 00-0163	LF		Relocate Temporary 8' High Chain Link Fence And Posts.....	7.94	
01 56 26 00-0164	LF		Relocate Temporary 10' High Chain Link Fence And Posts.....	9.77	
01 56 26 00-0165			Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166	LF		Relocate Temporary 4' High Chain Link Fence Panel, Self Standing.....	1.04	
01 56 26 00-0167	LF		Relocate Temporary 6' High Chain Link Fence Panel, Self Standing.....	1.25	
01 56 26 00-0168	LF		Relocate Temporary 8' High Chain Link Fence Panel, Self Standing.....	1.41	
01 56 26 00-0169			Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170	EA		Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	135.99	
01 56 26 00-0171	EA		Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	156.91	
01 56 26 00-0172	EA		Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	193.53	
01 56 26 00-0173	EA		Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	209.23	
01 56 26 00-0174			Temporary Rail And Timber Structure (01 56 26)		

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0175	LF	4' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	247.66	
01 56 26 00-0176	LF	6' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	353.09	
01 56 26 00-0177	LF	8' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	458.50	
01 56 26 00-0178	LF	10' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	585.26	
01 56 26 00-0179	LF	12' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	680.21	
01 56 26 00-0180	LF	15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	780.41	
01 56 26 00-0181		Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.87	
01 56 29		Temporary Protective Walkways (01 56)		
01 56 29 00-0001		Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002		Installation of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	179.17	
		For 3 Post System, Add	6.00	
		For Each Additional Foot Over 8' Wide, Add	3.00	
		For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge.....	4.56	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.89	
		For 3 Post System, Add	2.38	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.89	
		For 3 Post System, Add	2.68	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.88	
		For 3 Post System, Add	2.98	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.88	
		For 3 Post System, Add	2.98	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.84	
		For 3 Post System, Add	3.28	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.86	
		For 3 Post System, Add	3.88	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.87	
		For 3 Post System, Add	3.58	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	27.84	
		For 3 Post System, Add	4.18	
01 56 29 00-0014	LF	Monthly Rental Of High Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	29.79	
		For 3 Post System, Add	4.47	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.98	
01 56 29 00-0016		Removal of Sidewalk Bridge (01 56 29 00-0001)		



General Requirements			01
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0017	LF		Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly 37.29 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add 2.50 For Each Additional Foot Over 8' Wide, Add 1.25 For Each Additional Foot Over 8' High, Add 0.75		
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge 1.56		
01 56 29 00-0019			Temporary Safety Nets (01 56 29) Note: Includes removal after use.		
01 56 29 00-0020	SF		Small Mesh Debris Netting 2.81 Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33			Temporary Security Barriers (01 56)		
01 56 33 00-0001			Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day 15.70		
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening 8.39		
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening 9.70		
01 56 33 00-0005			Temporary Pedestrian Barricade (01 56 33) Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 14.84		
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 36.04		
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental 108.13		
01 56 39			Temporary Tree and Plant Protection (01 56)		
01 56 39 00-0001			Temporary Tree Guards (01 56 39) Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 223.67		
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 264.09		
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail 286.79		
01 57			Temporary Controls (01 50)		
01 57 13			Temporary Erosion and Sediment Control (01 57) See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23			Temporary Storm Water Pollution Control (01 57) See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001			Temporary Drain Guard (01 57 23) Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227) 118.98		
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) 116.80 Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) 147.52 Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0005	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) 145.31 Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0006	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) 178.24 Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.		
01 57 26			Site Watering for Dust Control (01 57)		
01 57 26 00-0001			Site Watering for Dust Control (01 57 26)		
01 57 26 00-0002	MSF		Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) 121.21 Note: GTL (Gas-to-Liquid)		
01 57 26 00-0003	MSF		Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorilla-Snot) 45.09		
01 57 26 00-0004	MSF		Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorilla-Snot) 68.00		
01 57 26 00-0005	MSF		Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorilla-Snot) 113.80		
01 57 26 00-0006	MSF		Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorilla-Snot) 159.61		
01 58			Project Identification (01 50) Note: Includes removal after use.		
01 58 13			Temporary Project Signage (01 58)		

01 General Requirements**01 50 Temporary Facilities and Controls****01 58 Project Identification**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0001 Project Sign ^(01 58 13)		
01 58 13 00-0002 MDO Plywood Signs ^(01 58 13 00-0001) Note: Excludes posts.		
01 58 13 00-0003 Reflectorized, MDO Plywood Signs ^(01 58 13 00-0002)		
01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs ^(01 58 13 00-0003)		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add 01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add 01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add 01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add 01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add	171.81 39.99 77.13 288.71 79.99 154.27 405.60 119.99 231.40 522.49 159.99 308.54 16.38 5.00 9.64	28.78 30.08 31.38 32.70 1.04
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs ^(01 58 13 00-0002)		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs ^(01 58 13 00-0010)		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	219.63 260.93 325.25 385.99 12.12	28.78 30.08 31.38 32.70 1.04
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs ^(01 58 13 00-0010)		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign 01 58 13 00-0022 SF >32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	224.19 285.53 350.25 407.42 12.79	28.78 30.08 31.38 32.70 1.04
01 58 13 00-0023 Fabricate And Install New Posts ^(01 58 13 00-0001) Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts 01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts 01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	17.59 13.06 16.13	
01 58 13 00-0027 Owner Supplied Signs ^(01 58 13 00-0001)		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign	104.62	

01 60 Product Requirements ⁽⁰¹⁾**01 65 Product Delivery Requirements ^(01 60)**

01 65 00 00-0001 Helicopter Lift ^(01 65) Note: Includes Helicopter, Crew, Permits, Fuel And Clearances		
01 65 00 00-0002 DAY < 3,500 Lb., Helicopter Lift..... Note: Maximum of (3) Operations, Helicopter Crew, Helicopter, Rigging. Includes Day Permit for FAA Permit, Street Closure fees and Right of way. Signage, Safety Rigging Landing Plan. Clearing, Cleaning and Delineation of Landing Zone, Drop Zone, and Alternate landing Area. Delineation and closure of Ingress Egress routes. For Weekend Day Usage, Add	37,890.97 3,500.00	

01 66 Product Storage and Handling Requirements ^(01 60)**01 66 19 Product Handling Requirements ^(01 66)**

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors ^(01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002 CY Transfer Delivered Material Between Floors Via Stairs, Per Floor..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	20.12	
01 66 19 00-0003 CY Transfer Delivered Material Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	13.08	



General Requirements			01	10
Product Requirements			01 60	
Product Storage and Handling Requirements			01 66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0004			Transfer Delivered Materials Distances Greater Than 125' ^(01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY		Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	8.17	
01 66 19 00-0006			Transfer Demolition Debris Between Floors ^(01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY		Transfer Demolition Debris Between Floors Via Stairs, Per Floor	20.12	
01 66 19 00-0008	CY		Transfer Demolition Debris Between Floors Via Elevator, Per Trip	13.08	
			Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0009			Transfer Demolition Debris Distances Greater Than 125' ^(01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY		Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	8.17	
01 66 19 00-0011			Moving Furniture And Furnishings ^(01 66 19) Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF		Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings	1.30	
			Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.		
01 66 23			Off-Site Storage Facilities ^(01 66)		
01 66 23 00-0001			Climate And Humidity Controlled Off-site Storage Facility ^(01 66 23)		
01 66 23 00-0002	MO		5' x 10', Climate And Humidity Controlled Storage Facility	316.32	
01 66 23 00-0003	MO		10' x 10', Climate And Humidity Controlled Storage Facility	354.37	
01 66 23 00-0004	MO		10' x 20', Climate And Humidity Controlled Storage Facility	651.66	
01 66 23 00-0005	MO		15' x 15', Climate And Humidity Controlled Storage Facility	801.50	
01 66 23 00-0006	MO		10' x 30', Climate And Humidity Controlled Storage Facility	1,027.44	
01 70			Execution and Closeout Requirements ⁽⁰¹⁾		
01 71			Examination and Preparation ^(01 70)		
01 71 13			Mobilization ^(01 71)		
01 71 13 00-0001			Equipment Delivery, Pickup, Mobilization And Demobilization ^(01 71 13) Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.		
01 71 13 00-0002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	488.15	
			Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.		
01 71 13 00-0003	MI		>25 Miles, Equipment Delivery And Pickup Using A Rollback Flatbed Truck	5.21	
			Note: Excludes first 25 miles.		
01 71 13 00-0004	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	1,517.10	
			Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.		
01 71 13 00-0005	MI		>25 Miles, Equipment Delivery And Pickup Using A Tractor Trailer With Up To 53' Bed	12.14	
			Note: Excludes first 25 miles.		
01 71 13 00-0006			Crane Delivery, Pickup, Mobilization And Demobilization ^(01 71 13) Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0007	EA		Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane	520.69	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	130.17	
			For >60 To 100 Miles Radius, Add	208.28	
01 71 13 00-0008	EA		>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane	846.13	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	211.53	
			For >60 To 100 Miles Radius, Add	338.45	
01 71 13 00-0009	EA		>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane	1,171.56	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	292.89	
			For >60 To 100 Miles Radius, Add	468.62	
01 71 13 00-0010	EA		>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane	1,887.53	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	471.88	
			For >60 To 100 Miles Radius, Add	755.01	

01 General Requirements**01 70 Execution and Closeout Requirements****01 71 Examination and Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0011	EA		>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,369.16	
			For >30 To 60 Miles Radius, Add	592.29	
			For >60 To 100 Miles Radius, Add	947.66	
01 71 13 00-0012	EA		>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,948.44	
			For >30 To 60 Miles Radius, Add	737.11	
			For >60 To 100 Miles Radius, Add	1,179.38	
01 71 13 00-0013	EA		>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,397.54	
			For >30 To 60 Miles Radius, Add	849.39	
			For >60 To 100 Miles Radius, Add	1,359.02	
01 71 13 00-0014	EA		>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,801.08	
			For >30 To 60 Miles Radius, Add	950.27	
			For >60 To 100 Miles Radius, Add	1,520.43	
01 71 13 00-0015	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,017.69	
			For >30 To 60 Miles Radius, Add	504.42	
			For >60 To 100 Miles Radius, Add	807.08	
01 71 13 00-0016	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,189.26	
			For >30 To 60 Miles Radius, Add	797.32	
			For >60 To 100 Miles Radius, Add	1,275.70	
01 71 13 00-0017	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,035.40	
			For >30 To 60 Miles Radius, Add	1,008.85	
			For >60 To 100 Miles Radius, Add	1,614.16	
01 71 13 00-0018	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,011.69	
			For >30 To 60 Miles Radius, Add	1,252.92	
			For >60 To 100 Miles Radius, Add	2,004.68	
01 71 13 00-0019	EA		200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,248.35	
			For >30 To 60 Miles Radius, Add	1,562.09	
			For >60 To 100 Miles Radius, Add	2,499.34	
01 71 13 00-0020	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,289.75	
			For >30 To 60 Miles Radius, Add	1,822.44	
			For >60 To 100 Miles Radius, Add	2,915.90	
01 71 13 00-0021	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,413.92	
			For >30 To 60 Miles Radius, Add	2,603.48	
			For >60 To 100 Miles Radius, Add	4,165.57	
01 71 13 00-0022	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	14,280.09	
			For >30 To 60 Miles Radius, Add	3,570.02	
			For >60 To 100 Miles Radius, Add	5,712.04	

01 71 23 Field Engineering (01 71)**01 71 23 16 Construction Surveying (01 71 23)****01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)**

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

01 71 23 16-0002	ACR		Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,364.93	
01 71 23 16-0003	ACR		Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,834.13	
01 71 23 16-0004	ACR		Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	5,507.03	
01 71 23 16-0005	ACR		Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	8,272.80	
01 71 23 16-0006	ACR		Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings).....	10,354.16	

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

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

01 71 23 16-0008	LF		Survey Property Lines On Cleared Land	3.03	
01 71 23 16-0009	LF		Survey Property Lines On Slightly Wooded Land	3.51	
01 71 23 16-0010	LF		Survey Property Lines On Wooded Land.....	4.11	

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

01 71 23 16-0012	EA		3' Precast Survey Monument.....	214.37	
			For Owner Furnished Monument, Deduct	-85.63	
01 71 23 16-0013	EA		Precast Survey Monument Box With Cast Iron Frame And Cover.....	320.92	
01 71 23 16-0014	EA		Riser Ring For Survey Monument.....	165.47	
01 71 23 16-0015	EA		Reset/Relocate/Adjust Survey Monument Cover To Grade.....	256.89	

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

01 71 23 16-0017	LF		Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.39	



General Requirements			01	TO
Execution and Closeout Requirements			01 70	
Examination and Preparation			01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0018 Utility Survey (01 71 23 16) Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	7,056.44	
01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection (01 71 23 16)		
01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020) Note: One mobilization per project.		
01 71 23 16-0022 EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	4,282.22	
01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024 EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,090.15	
01 71 23 16-0025 SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.30	
01 71 23 16-0026 SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.03	
01 71 23 16-0027 SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.82	
01 71 23 16-0028 SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.62	
01 71 23 16-0029 SF >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.49	
01 71 23 16-0030 SF >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.39	
01 71 23 16-0031 SF >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0032 Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0033 EA Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0034 SF Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0035 Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0036 EA Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0037 SF Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.47	
01 71 23 16-0038 SF >5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.37	
01 71 23 16-0039 SF >10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0040 SF >25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.23	
01 71 23 16-0041 SF >50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.19	
01 71 23 16-0042 SF >100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0043 SF >250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0044 Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0045 LM Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,659.45	
01 71 23 16-0046 LM >4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	3,339.42	
01 71 23 16-0047 LM >9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,486.54	
01 71 23 16-0048 LM >49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	1,357.61	
01 71 23 16-0049 LM >99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,067.13	
01 71 23 16-0050 Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0020) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0051 LM Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,746.33	
01 71 23 16-0052 LM >4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	4,583.72	
01 71 23 16-0053 LM >9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,481.57	
01 71 23 16-0054 LM >49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	1,950.91	
01 71 23 16-0055 LM >99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,543.01	
01 71 23 16-0056 Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0020) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0057 LM Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	11,573.64	
01 71 23 16-0058 LM >4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,671.46	
01 71 23 16-0059 LM >9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,350.93	
01 71 23 16-0060 LM >49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,470.06	
01 71 23 16-0061 LM >99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,957.10	
01 71 23 16-0062 Drone Survey (Extreme Aerial Productions) (01 71 23 16) Note: Thermographic services to electrical line grid inspections.		
01 71 23 16-0063 Mobilization For Drone Surveying (01 71 23 16-0062)		

01 General Requirements**01 70 Execution and Closeout Requirements****01 71 Examination and Preparation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	276.92	
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	692.29	
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	184.61	
01 71 23 16-0067	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection.....	369.22	
01 71 23 16-0068	EA	Mobilization For Drone Survey Stockpile.....	184.61	
01 71 23 16-0069	EA	Mobilization For Drone Inspection.....	184.61	
01 71 23 16-0070	EA	Mobilization For Qualitative Drone Thermal Inspection.....	369.22	
01 71 23 16-0071	EA	Mobilization For Quantitative Drone Thermal Inspection.....	461.52	
01 71 23 16-0072	EA	Mobilization For Drone Agricultural Multispectral Survey.....	738.44	
01 71 23 16-0073	EA	Mobilization For Drone Building Inspection/Scan/Thermal.....	553.83	
01 71 23 16-0074	EA	Mobilization For Drone 3D Modelling.....	461.52	
01 71 23 16-0075	EA	Mobilization For Drone Spraying Crops Or Sanitation.....	830.74	
01 71 23 16-0076	EA	Mobilization For Drone Video Progression/Marketing.....	184.61	
01 71 23 16-0077	EA	Mobilization For Drone Pictures Progression/Marketing.....	184.61	
01 71 23 16-0078	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks.....	184.61	
01 71 23 16-0079	EA	Mobilization For Drone Accident Reconstruction.....	184.61	
01 71 23 16-0080	EA	Mobilization For Drone Landfill Survey.....	276.92	
01 71 23 16-0081	EA	Mobilization For Drone Event Security Using Tethered Drones.....	369.22	
01 71 23 16-0082	EA	Mobilization For Drone Emergency Response.....	923.05	
01 71 23 16-0083	EA	Mobilization For Drone Cell Tower Inspection.....	276.92	
01 71 23 16-0084		Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0085	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	673.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0086	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	858.44	
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	221.53	
01 71 23 16-0087	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	553.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0088	HR	Drone Road Survey For Topography/Progression/Inspection.....	646.14	
		Note: 3 hour minimum		
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	184.61	
01 71 23 16-0089	HR	Drone Survey Stockpile.....	461.52	
		Note: 3 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0090	HR	Drone Inspection.....	646.14	
		Note: 3 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0091	HR	Qualitative Drone Thermal Inspection.....	738.44	
		Note: 5 hour minimum		
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	184.61	
01 71 23 16-0092	HR	Quantitative Drone Thermal Inspection.....	1,107.66	
		Note: 5 hour minimum		
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	184.61	
01 71 23 16-0093	HR	Drone Agricultural Multispectral Survey.....	830.74	
		Note: 6 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0094	HR	Drone Building Inspection/Scan/Thermal.....	738.44	
		Note: 3 hour minimum		
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	184.61	
01 71 23 16-0095	HR	Drone 3D Modelling.....	553.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	276.92	
		For Additional Manpower, Add	184.61	
01 71 23 16-0096	HR	Drone Spraying Crops Or Sanitation.....	738.44	
		Note: 3 hour minimum		
		For Visual Observation, Add	230.76	
		For Additional Manpower, Add	184.61	
01 71 23 16-0097	HR	Drone Video Progression/Marketing.....	369.22	
		Note: 2 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0098	HR	Drone Pictures Progression/Marketing.....	276.92	
		Note: 2 hour minimum		
		For Visual Observation, Add	184.61	
		For Additional Manpower, Add	184.61	
01 71 23 16-0099	HR	Drone Training, Flying, Test Prep, Equipment Checks.....	553.83	
		Note: 3 hour minimum		



General Requirements			01	TO
Execution and Closeout Requirements			01 70	
Examination and Preparation			01 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0100	HR	Drone Accident Reconstruction Note: 2 hour minimum For Visual Observation, Add For Additional Manpower, Add	830.74 184.61 184.61	
01 71 23 16-0101	HR	Drone Landfill Survey Note: 3 hour minimum For Visual Observation, Add For Additional Manpower, Add	673.83 184.61 184.61	
01 71 23 16-0102	HR	Drone Event Security Using Tethered Drones Note: 3 hour minimum For Visual Observation, Add For Additional Manpower, Add	461.52 184.61 184.61	
01 71 23 16-0103	HR	Drone Emergency Response Note: 3 hour minimum For Visual Observation, Add For Additional Manpower, Add	461.52 276.92 184.61	
01 71 23 16-0104	HR	Drone Cell Tower Inspection Note: 3 hour minimum For Visual Observation, Add For Additional Manpower, Add	461.52 230.76 184.61	
01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)				
01 71 23 16-0106	Day	Utilization Of GPS Ground Control For Drone Surveying	461.52	
01 71 23 16-0107	Day	Utilization Of GPS Base Station Per Day For Drone Surveying.....	461.52	
01 71 23 16-0108	HR	Processing And Data Deliverables And Reporting For Drone Surveying..... Note: 2 hour minimum	184.61	
01 71 23 16-0109	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying..... Note: 3 hour minimum	369.22	
01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)				
01 71 23 16-0111	MI	Travel Over 100 Miles For Drone Surveying Note: For additional miles over 100	1.06	
01 71 23 16-0112	EA	Overnight Stay Per Person For Drone Surveying	230.76	
01 71 23 16-0113	EA	Waiver Utilization B, C, D, And E For Drone Surveying..... Note: Restricted airspace	92.30	
01 71 23 16-0114	EA	Night Waiver For Drone Surveying	120.00	
01 71 23 16-0115	EA	Flying Over People Waiver For Drone Surveying	184.61	
01 71 23 16-0116	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	923.05	
01 71 23 16-0117	HR	Editing Video For Drone Surveying..... Note: 2 hour minimum	184.61	
01 71 23 16-0118	HR	Editing Pictures For Drone Surveying..... Note: 2 hour minimum	92.30	
01 71 23 16-0119	HR	Custom Post Processing For Drone Surveying	276.92	
01 71 36 Non-Destructive Concrete Examination (01 71)				
01 71 36 00-0001 Electromagnetic Survey (01 71 36)				
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).				
01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)				
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,191.54	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,787.31	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,574.62	
01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)				
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	397.18	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	794.36	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,787.31	
01 74 Cleaning and Waste Management (01 70)				
01 74 13 Progress Cleaning (01 74)				
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.				
01 74 13 00-0001 General (01 74 13)				
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	26.19	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	30.64	

01	General Requirements
01 70	Execution and Closeout Requirements
01 74	Cleaning and Waste Management



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 16 Site Maintenance (01 74)				
01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance (01 74 16) Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.		
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	25.88	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	31.06	
01 74 16 00-0005		Runway Sweeping (01 74 16 00-0001)		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	38.82	
01 74 19 Construction Waste Management and Disposal (01 74) Note: Tasks in this section shall be used as directed by owner.				
01 74 19 00-0001		Debris Chutes (01 74 19) Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	41.13	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	62.99	
01 74 19 00-0005		Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	16.30	
		For Steel Liner, Add	3.27	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	18.70	
		For Steel Liner, Add	3.75	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	21.07	
		For Steel Liner, Add	4.23	
01 74 19 00-0009		Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute	32.95	
		Note: Includes fabrication and installation.		
01 74 19 00-0011		Construction Dumpsters Rental (01 74 19) Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster "Construction Debris"	534.09	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0013	EA	15 CY Dumpster "Construction Debris"	573.34	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0014	EA	20 CY Dumpster "Construction Debris"	633.60	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0015	EA	30 CY Dumpster "Construction Debris"	734.58	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0016	EA	40 CY Dumpster "Construction Debris"	924.35	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	810.79	
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018		Concrete Washout Service (01 74 19)		
01 74 19 00-0019	MO	Rampless Concrete Washout Bin	545.27	
		Note: Includes delivery.		
01 74 19 00-0020	MO	Ramped Concrete Washout Bin	654.32	
		Note: Includes delivery.		
01 74 19 00-0021	EA	Interim Vacuum Service, Concrete Washout Bin	656.49	
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0022	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	1,422.40	
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0023		Debris Processing Fee (01 74 19)		
01 74 19 00-0024		Material Recycling Fees (01 74 19 00-0023) Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0025	CY	Drop-Off Asphalt At Recycling Center	15.64	
01 74 19 00-0026	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	20.95	



General Requirements		01	01
Execution and Closeout Requirements		01 70	
Cleaning and Waste Management		01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0027 CY Drop-Off Reinforced Concrete At Recycling Center.....	31.43	
01 74 19 00-0028 CY Drop-Off Brick Or Block At Recycling Center.....	27.24	
01 74 19 00-0029 CY Drop-Off Dirt At Recycling Center.....	30.38	
01 74 19 00-0030 CY Drop-Off Dimensional Lumber At Recycling Center.....	14.67	
01 74 19 00-0031 Landfill Dump Fees (01 74 19 00-0023) Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0032 CY Traditional Building Construction Materials Landfill Dump Fee.....	13.94	
01 74 19 00-0033 TON Traditional Building Construction Materials, Landfill Dump Fee.....	60.77	
01 74 19 00-0034 CY Trees, Stumps And Brush, Landfill Dump Fee.....	16.78	
01 74 19 00-0035 CY Hazardous Materials And Rubbish Landfill Dump Fee	40.02	
Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.		
01 74 19 00-0036 TON Dump, Transfer Station Fee For Mixed Material.....	107.40	
01 74 19 00-0037 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash).....	46.60	
01 74 19 00-0038 CY Clay Loads, Expansive Materials.....	58.26	
01 74 19 00-0039 TON General Refuse.....	68.17	
01 74 19 00-0040 EA Tires.....	13.26	
01 74 19 00-0041 Hauling (01 74 19) Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0042 CYM Hauling Up To 15 Miles	1.36	
01 74 19 00-0043 CYM Hauling, Miles Over Initial 15 Miles.....	1.01	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Cleaning Of Glass (01 74 23)		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces.....	35.34	
01 90 Life Cycle Activities (01)		
01 91 Commissioning (01 90)		
01 91 13 General Commissioning Requirements (01 91)		
01 91 13 00-0001 Commissioning Of Systems (01 91 13) Note: For use with commissioning of mechanical and electrical systems.		
01 91 13 00-0002 HR Commissioning - Fire Protection Sprinkler Systems	237.75	
01 91 13 00-0003 HR Commissioning - Plumbing Systems	238.44	
01 91 13 00-0004 HR Commissioning - HVAC/Mechanical Systems	268.25	
01 91 13 00-0005 HR Commissioning - Electrical/Communications/Fire Alarms/Security Systems	273.52	

END OF SECTION 01

01	01	General Requirements
	01 90	Life Cycle Activities
	01 91	Commissioning



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

THIS PAGE INTENTIONALLY LEFT BLANK



Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment⁽⁰²⁾

02 25 Existing Material Assessment^(02 20)

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

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

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

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

02 30 Subsurface Investigation⁽⁰²⁾

02 32 Geotechnical Investigations^(02 30)

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

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew.....1,342.50

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 40.44

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples.....102.59

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples.....175.44

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

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing.....108.67

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes.....10.21

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

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 140.47

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes.....11.74

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

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

02 32 13 00-0015 Backhoe Dig Test Pits^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation.....78.10

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 91.13

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 121.50

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

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation.....232.47

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation.....418.45

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

02 32 13 00-0023 EA Shelby Tube Sampling.....57.38

02 32 13 00-0024 EA Penetration Test 46.75

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

02 32 13 00-0026 VLF Boreholes 10.88

02 32 19 Exploratory Excavations^(02 32)

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

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1578 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0031 for off-site disposal fee of material, 01 74 19 00-0041 for hauling excavated soil from site.

02 32 19 00-0002 EA Minimum Charge For Hydro Excavation.....1,704.60

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0003 EA 600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day.....974.06

Note: Includes initial water.

02 Existing Conditions**02 30 Subsurface Investigation****02 32 Geotechnical Investigations**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day.....	1,217.57	
		Note: Includes initial water		
02 32 19 00-0005	EA	Move And Set-up At Different Access/Location, Hydro Excavation	121.76	
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	101.55	
		Note: Normal soil conditions consist of silt, sand and gravel.		
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	162.43	
		Note: Adverse soil conditions consist of clay, glacial till and rocks.		

02 40 Demolition and Structure Moving ⁽⁰²⁾**02 41 Demolition** ^(02 40)**02 41 13 Selective Site Demolition** ^(02 41)**02 41 13 13 Paving Removal** ^(02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** ^(02 41 13 13)

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	8.02	
		For >500 To 1,000, Deduct	-0.80	
		For >1,000 To 2,500, Deduct	-1.44	
		For >2,500 To 5,000, Deduct	-2.09	
		For >5,000 To 10,000, Deduct	-2.73	
		For >10,000, Deduct	-3.37	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	12.03	
		For >500 To 1,000, Deduct	-1.20	
		For >1,000 To 2,500, Deduct	-2.17	
		For >2,500 To 5,000, Deduct	-3.13	
		For >5,000 To 10,000, Deduct	-4.09	
		For >10,000, Deduct	-5.05	
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	16.05	
		For >500 To 1,000, Deduct	-1.61	
		For >1,000 To 2,500, Deduct	-2.89	
		For >2,500 To 5,000, Deduct	-4.17	
		For >5,000 To 10,000, Deduct	-5.46	
		For >10,000, Deduct	-6.74	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	15.40	
		For >500 To 1,000, Deduct	-1.54	
		For >1,000 To 2,500, Deduct	-2.77	
		For >2,500 To 5,000, Deduct	-4.00	
		For >5,000 To 10,000, Deduct	-5.24	
		For >10,000, Deduct	-6.47	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	21.74	
		For >500 To 1,000, Deduct	-2.17	
		For >1,000 To 2,500, Deduct	-3.91	
		For >2,500 To 5,000, Deduct	-5.65	
		For >5,000 To 10,000, Deduct	-7.39	
		For >10,000, Deduct	-9.13	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	30.80	
		For >500 To 1,000, Deduct	-3.08	
		For >1,000 To 2,500, Deduct	-5.54	
		For >2,500 To 5,000, Deduct	-8.01	
		For >5,000 To 10,000, Deduct	-10.47	
		For >10,000, Deduct	-12.94	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	43.49	
		For >500 To 1,000, Deduct	-4.35	
		For >1,000 To 2,500, Deduct	-7.83	
		For >2,500 To 5,000, Deduct	-11.31	
		For >5,000 To 10,000, Deduct	-14.79	
		For >10,000, Deduct	-18.27	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	56.87	
		For >500 To 1,000, Deduct	-5.69	
		For >1,000 To 2,500, Deduct	-10.24	
		For >2,500 To 5,000, Deduct	-14.79	
		For >5,000 To 10,000, Deduct	-19.34	
		For >10,000, Deduct	-23.89	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	73.93	
		For >500 To 1,000, Deduct	-7.39	
		For >1,000 To 2,500, Deduct	-13.31	
		For >2,500 To 5,000, Deduct	-19.22	
		For >5,000 To 10,000, Deduct	-25.14	
		For >10,000, Deduct	-31.05	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving ^(02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.		
02 41 13 13-0012 SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	2.08	
02 41 13 13-0013 SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.63	
02 41 13 13-0014 SF >6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.48	
02 41 13 13-0015 SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.60	
02 41 13 13-0016 SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.31	
02 41 13 13-0017 SF >6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	4.35	
02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving ^(02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	17.19	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.16	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	8.60	
For >500 To 1,000, Deduct	-1.72	
For >1,000 To 2,500, Deduct	-3.09	
For >2,500 To 5,000, Deduct	-4.47	
For >5,000 To 10,000, Deduct	-5.84	
For >10,000, Deduct	-7.22	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving	23.47	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.04	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	11.74	
For >500 To 1,000, Deduct	-2.35	
For >1,000 To 2,500, Deduct	-4.22	
For >2,500 To 5,000, Deduct	-6.10	
For >5,000 To 10,000, Deduct	-7.98	
For >10,000, Deduct	-9.86	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving	32.56	
For Elevated Slab, Add	16.28	
For >500 To 1,000, Deduct	-3.26	
For >1,000 To 2,500, Deduct	-5.86	
For >2,500 To 5,000, Deduct	-8.47	
For >5,000 To 10,000, Deduct	-11.07	
For >10,000, Deduct	-13.68	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving	42.49	
For Elevated Slab, Add	21.25	
For >500 To 1,000, Deduct	-4.25	
For >1,000 To 2,500, Deduct	-7.65	
For >2,500 To 5,000, Deduct	-11.05	
For >5,000 To 10,000, Deduct	-14.45	
For >10,000, Deduct	-17.85	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving	59.14	
For Elevated Slab, Add	29.57	
For >500 To 1,000, Deduct	-5.91	
For >1,000 To 2,500, Deduct	-10.65	
For >2,500 To 5,000, Deduct	-15.38	
For >5,000 To 10,000, Deduct	-20.11	
For >10,000, Deduct	-24.84	
02 41 13 13-0024 SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving	81.32	
For Elevated Slab, Add	40.66	
For >500 To 1,000, Deduct	-8.13	
For >1,000 To 2,500, Deduct	-14.64	
For >2,500 To 5,000, Deduct	-21.14	
For >5,000 To 10,000, Deduct	-27.65	
For >10,000, Deduct	-34.15	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.78	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.93	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	9.89	
For >500 To 1,000, Deduct	-1.98	
For >1,000 To 2,500, Deduct	-3.56	
For >2,500 To 5,000, Deduct	-5.14	
For >5,000 To 10,000, Deduct	-6.73	
For >10,000, Deduct	-8.31	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	25.87	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.76	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	12.94	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,500, Deduct	-4.66	
For >2,500 To 5,000, Deduct	-6.73	
For >5,000 To 10,000, Deduct	-8.80	
For >10,000, Deduct	-10.87	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027	SY		>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving.....	46.20	
			For Elevated Slab, Add	23.10	
			For >500 To 1,000, Deduct	-4.62	
			For >1,000 To 2,500, Deduct	-8.32	
			For >2,500 To 5,000, Deduct	-12.01	
			For >5,000 To 10,000, Deduct	-15.71	
			For >10,000, Deduct	-19.40	
02 41 13 13-0028	SY		>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving.....	60.36	
			For Elevated Slab, Add	30.18	
			For >500 To 1,000, Deduct	-6.04	
			For >1,000 To 2,500, Deduct	-10.86	
			For >2,500 To 5,000, Deduct	-15.69	
			For >5,000 To 10,000, Deduct	-20.52	
			For >10,000, Deduct	-25.35	
02 41 13 13-0029	SY		Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	26.25	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.88	
			Note: (Around Existing Structures And Obstructions), Add		
			For Elevated Slab, Add	13.13	
			For >500 To 1,000, Deduct	-2.63	
			For >1,000 To 2,500, Deduct	-4.73	
			For >2,500 To 5,000, Deduct	-6.83	
			For >5,000 To 10,000, Deduct	-8.93	
			For >10,000, Deduct	-11.03	
02 41 13 13-0030	SY		>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	34.00	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	10.20	
			Note: (Around Existing Structures And Obstructions), Add		
			For Elevated Slab, Add	17.00	
			For >500 To 1,000, Deduct	-3.40	
			For >1,000 To 2,500, Deduct	-6.12	
			For >2,500 To 5,000, Deduct	-8.84	
			For >5,000 To 10,000, Deduct	-11.56	
			For >10,000, Deduct	-14.28	
02 41 13 13-0031	SY		>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	56.37	
			For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	16.91	
			Note: (Around Existing Structures And Obstructions), Add		
			For Elevated Slab, Add	28.19	
			For >500 To 1,000, Deduct	-5.64	
			For >1,000 To 2,500, Deduct	-10.15	
			For >2,500 To 5,000, Deduct	-14.66	
			For >5,000 To 10,000, Deduct	-19.17	
			For >10,000, Deduct	-23.68	
02 41 13 13-0032	SY		Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	28.46	
			For Elevated Slab, Add	14.23	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000 To 2,500, Deduct	-5.12	
			For >2,500 To 5,000, Deduct	-7.40	
			For >5,000 To 10,000, Deduct	-9.68	
			For >10,000, Deduct	-11.95	
02 41 13 13-0033	SY		>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	36.60	
			For Elevated Slab, Add	18.30	
			For >500 To 1,000, Deduct	-3.66	
			For >1,000 To 2,500, Deduct	-6.59	
			For >2,500 To 5,000, Deduct	-9.52	
			For >5,000 To 10,000, Deduct	-12.44	
			For >10,000, Deduct	-15.37	
02 41 13 13-0034	SY		>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	65.43	
			For Elevated Slab, Add	32.72	
			For >500 To 1,000, Deduct	-6.54	
			For >1,000 To 2,500, Deduct	-11.78	
			For >2,500 To 5,000, Deduct	-17.01	
			For >5,000 To 10,000, Deduct	-22.25	
			For >10,000, Deduct	-27.48	
02 41 13 13-0035	SY		>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	85.38	
			For Elevated Slab, Add	42.69	
			For >500 To 1,000, Deduct	-8.54	
			For >1,000 To 2,500, Deduct	-15.37	
			For >2,500 To 5,000, Deduct	-22.20	
			For >5,000 To 10,000, Deduct	-29.03	
			For >10,000, Deduct	-35.86	
02 41 13 13-0036	SY		>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	111.63	
			For Elevated Slab, Add	55.82	
			For >500 To 1,000, Deduct	-11.16	
			For >1,000 To 2,500, Deduct	-20.09	
			For >2,500 To 5,000, Deduct	-29.02	
			For >5,000 To 10,000, Deduct	-37.95	
			For >10,000, Deduct	-46.88	
02 41 13 13-0037	SY		>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	135.48	
			For Elevated Slab, Add	67.74	
			For >500 To 1,000, Deduct	-13.55	
			For >1,000 To 2,500, Deduct	-24.39	
			For >2,500 To 5,000, Deduct	-35.22	
			For >5,000 To 10,000, Deduct	-46.06	
			For >10,000, Deduct	-56.90	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0038	By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.	
02 41 13 13-0039 SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.64
02 41 13 13-0040 SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	6.10
02 41 13 13-0041 SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.93
02 41 13 13-0042 SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.79
02 41 13 13-0043 SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	8.00
02 41 13 13-0044 SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	10.25
02 41 13 13-0045 SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	8.12
02 41 13 13-0046 SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	11.20
02 41 13 13-0047 SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	14.34
02 41 13 13-0048	Grind Concrete (02 41 13 13) 02 41 13 13-0049 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard)..... 227.20 Note: For each location up to 5' wide, feather up to 12" each direction. For >1/2" To 1" Depth Of Grinding, Add 34.08 For >1" To 1-1/2" Depth Of Grinding, Add 56.80 For Up To 5, Add 45.44 For >5 To 10, Add 22.72 For >25 To 50, Deduct -22.72 For >50 To 250, Deduct -34.08 For >250, Deduct -45.44 For Sidewalks >5', Add 22.72 For Up To 12" Additional Feathering Per Side, Add 22.72	
02 41 13 15	Hydro Demolition (02 41 13)	
02 41 13 15-0001	Hydro Demolition Of Concrete Pavement (02 41 13 15) Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002 SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	8.83
02 41 13 15-0003 SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	11.05
02 41 13 15-0004 SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	14.77
02 41 13 15-0005 SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	29.40
02 41 16	Structure Demolition (02 41)	
02 41 16 13	Building Demolition (02 41 16)	
02 41 16 13-0001	Building Interior Demolition (02 41 16 13) Note: Guttled and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002 GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.84
02 41 16 13-0003 GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	13.37
02 41 16 13-0004 GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	10.94
02 41 16 13-0005 GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.72
02 41 16 13-0006	Commercial And Residential Structures Demolition (02 41 16 13) Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	
02 41 16 13-0007	Steel Framed Building Demolition (02 41 16 13-0006) Note: Includes masonry partitions and concrete decks.	
02 41 16 13-0008 CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition	81.39
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -6.10	
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -12.21	
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -18.31	
	For Up To 500, Add 24.42	
	For >500 To 1,000, Add 16.28	
	For >1,000 To 2,000, Add 8.14	
	For Volume Of Area Within 15' To An Adjacent Building, Add 26.86	
	For No Interior Partitions, Deduct -20.35	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition.....	50.76	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.81	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.61	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-11.42	
		For Up To 500, Add	15.23	
		For >500 To 1,000, Add	10.15	
		For >1,000 To 2,000, Add	5.08	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	7.61	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	12.69	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	17.77	
		For Volume Of Area Within 15' To An Adjacent Building, Add	16.75	
		For No Interior Partitions, Deduct	-12.69	
02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)				
02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	102.14	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-7.66	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-15.32	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-22.98	
		For Up To 500, Add	30.64	
		For >500 To 1,000, Add	20.43	
		For >1,000 To 2,000, Add	10.21	
		For Volume Of Area Within 15' To An Adjacent Building, Add	33.71	
		For No Interior Partitions, Deduct	-25.54	
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition.....	67.02	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.03	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.05	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-15.08	
		For Up To 500, Add	20.11	
		For >500 To 1,000, Add	13.40	
		For >1,000 To 2,000, Add	6.70	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	10.05	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	16.76	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	23.46	
		For Volume Of Area Within 15' To An Adjacent Building, Add	22.12	
		For No Interior Partitions, Deduct	-16.76	
02 41 16 13-0013 Reinforced Block Masonry Building Demolition (02 41 16 13-0006)				
02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	86.95	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-6.52	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-13.04	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-19.56	
		For Up To 500, Add	26.09	
		For >500 To 1,000, Add	17.39	
		For >1,000 To 2,000, Add	8.70	
		For Volume Of Area Within 15' To An Adjacent Building, Add	28.69	
		For No Interior Partitions, Deduct	-21.74	
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition.....	56.28	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.22	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.44	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.66	
		For Up To 500, Add	16.88	
		For >500 To 1,000, Add	11.26	
		For >1,000 To 2,000, Add	5.63	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	8.44	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	14.07	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	19.70	
		For Volume Of Area Within 15' To An Adjacent Building, Add	18.57	
		For No Interior Partitions, Deduct	-14.07	
02 41 16 13-0016 Masonry Construction Building Demolition (02 41 16 13-0006)				
02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition	71.77	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.38	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.77	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-16.15	
		For Up To 500, Add	21.53	
		For >500 To 1,000, Add	14.35	
		For >1,000 To 2,000, Add	7.18	
		For Volume Of Area Within 15' To An Adjacent Building, Add	23.68	
		For No Interior Partitions, Deduct	-17.94	
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition.....	45.54	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.42	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.83	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-10.25	
		For Up To 500, Add	13.66	
		For >500 To 1,000, Add	9.11	
		For >1,000 To 2,000, Add	4.55	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.83	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	11.39	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	15.94	
		For Volume Of Area Within 15' To An Adjacent Building, Add	15.03	
		For No Interior Partitions, Deduct	-11.39	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019 Wood Frame Construction Building Demolition (02 41 16 13-0006)		
02 41 16 13-0020 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	62.38	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-4.68	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-9.36	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-14.04	
For Up To 500, Add	18.71	
For >500 To 1,000, Add	12.48	
For >1,000 To 2,000, Add	6.24	
For Volume Of Area Within 15' To An Adjacent Building, Add	20.59	
For No Interior Partitions, Deduct	-15.60	
02 41 16 13-0021 CCF By Machine, Wood Frame Construction Building Demolition	38.97	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-2.92	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-5.85	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-8.77	
For Up To 500, Add	11.69	
For >500 To 1,000, Add	7.79	
For >1,000 To 2,000, Add	3.90	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.85	
For Volume Of Area Within 15' To An Adjacent Building, Add	12.86	
For No Interior Partitions, Deduct	-9.74	
02 41 16 13-0022 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)		
Note: Per building volume.		
02 41 16 13-0023 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	11.49	
For Up To 500, Add	3.45	
For >500 To 1,000, Add	2.30	
For >1,000 To 2,000, Add	1.15	
02 41 16 13-0024 Foundation Demolition (02 41 16 13)		
Note: Excludes earthwork.		
02 41 16 13-0025 Concrete Foundation Demolition (02 41 16 13-0024)		
02 41 16 13-0026 CF Non-Reinforced Concrete Foundation Demolition	17.28	
For >135 To 405, Deduct	-1.51	
For >405 To 810, Deduct	-3.02	
For >810 To 2025, Deduct	-4.32	
For >2025, Deduct	-6.91	
02 41 16 13-0027 CF Reinforced Concrete Foundation Demolition	20.73	
For >135 To 405, Deduct	-1.81	
For >405 To 810, Deduct	-3.63	
For >810 To 2025, Deduct	-5.18	
For >2025, Deduct	-8.29	
02 41 16 13-0028 Concrete Foundation Wall Demolition (02 41 16 13-0024)		
02 41 16 13-0029 SF 4" Thick Non-Reinforced Concrete Foundation Wall Demolition	7.40	
For >500 To 2,000, Deduct	-0.56	
For >2,000 To 6,000, Deduct	-1.48	
For >6,000 To 8,000, Deduct	-2.59	
For >8,000, Deduct	-4.07	
02 41 16 13-0030 SF 6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.87	
For >500 To 2,000, Deduct	-0.74	
For >2,000 To 6,000, Deduct	-1.97	
For >6,000 To 8,000, Deduct	-3.45	
For >8,000, Deduct	-5.43	
02 41 16 13-0031 SF 8" Thick Non-Reinforced Concrete Foundation Wall Demolition	12.34	
For >500 To 2,000, Deduct	-0.93	
For >2,000 To 6,000, Deduct	-2.47	
For >6,000 To 8,000, Deduct	-4.32	
For >8,000, Deduct	-6.79	
02 41 16 13-0032 SF 10" Thick Non-Reinforced Concrete Foundation Wall Demolition	14.81	
For >500 To 2,000, Deduct	-1.11	
For >2,000 To 6,000, Deduct	-2.96	
For >6,000 To 8,000, Deduct	-5.18	
For >8,000, Deduct	-8.15	
02 41 16 13-0033 SF 12" Thick Non-Reinforced Concrete Foundation Wall Demolition	17.28	
For >500 To 2,000, Deduct	-1.30	
For >2,000 To 6,000, Deduct	-3.46	
For >6,000 To 8,000, Deduct	-6.05	
For >8,000, Deduct	-9.50	
02 41 16 13-0034 SF 16" Thick Non-Reinforced Concrete Foundation Wall Demolition	19.75	
For >500 To 2,000, Deduct	-1.48	
For >2,000 To 6,000, Deduct	-3.95	
For >6,000 To 8,000, Deduct	-6.91	
For >8,000, Deduct	-10.86	
02 41 16 13-0035 SF 4" Thick Reinforced Concrete Foundation Wall Demolition	8.89	
For >500 To 2,000, Deduct	-0.67	
For >2,000 To 6,000, Deduct	-1.78	
For >6,000 To 8,000, Deduct	-3.11	
For >8,000, Deduct	-4.89	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036 SF 6" Thick Reinforced Concrete Foundation Wall Demolition	11.85	
For >500 To 2,000, Deduct	-0.89	
For >2,000 To 6,000, Deduct	-2.37	
For >6,000 To 8,000, Deduct	-4.15	
For >8,000, Deduct	-6.52	
02 41 16 13-0037 SF 8" Thick Reinforced Concrete Foundation Wall Demolition	14.81	
For >500 To 2,000, Deduct	-1.11	
For >2,000 To 6,000, Deduct	-2.96	
For >6,000 To 8,000, Deduct	-5.18	
For >8,000, Deduct	-8.15	
02 41 16 13-0038 SF 10" Thick Reinforced Concrete Foundation Wall Demolition	17.53	
For >500 To 2,000, Deduct	-1.31	
For >2,000 To 6,000, Deduct	-3.51	
For >6,000 To 8,000, Deduct	-6.14	
For >8,000, Deduct	-9.64	
02 41 16 13-0039 SF 12" Thick Reinforced Concrete Foundation Wall Demolition	20.73	
For >500 To 2,000, Deduct	-1.55	
For >2,000 To 6,000, Deduct	-4.15	
For >6,000 To 8,000, Deduct	-7.26	
For >8,000, Deduct	-11.40	
02 41 16 13-0040 SF 16" Thick Reinforced Concrete Foundation Wall Demolition	23.70	
For >500 To 2,000, Deduct	-1.78	
For >2,000 To 6,000, Deduct	-4.74	
For >6,000 To 8,000, Deduct	-8.30	
For >8,000, Deduct	-13.04	

02 41 16 13-0041 Concrete Block Foundation Wall Demolition (02 41 16 13-0024)

02 41 16 13-0042 SF 4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.43	
For >500 To 2,000, Deduct	-0.41	
For >2,000 To 6,000, Deduct	-1.09	
For >6,000 To 8,000, Deduct	-1.90	
For >8,000, Deduct	-2.99	
02 41 16 13-0043 SF 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.80	
For >500 To 2,000, Deduct	-0.44	
For >2,000 To 6,000, Deduct	-1.16	
For >6,000 To 8,000, Deduct	-2.03	
For >8,000, Deduct	-3.19	
02 41 16 13-0044 SF 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.55	
For >500 To 2,000, Deduct	-0.49	
For >2,000 To 6,000, Deduct	-1.31	
For >6,000 To 8,000, Deduct	-2.29	
For >8,000, Deduct	-3.60	
02 41 16 13-0045 SF 10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.53	
For >500 To 2,000, Deduct	-0.56	
For >2,000 To 6,000, Deduct	-1.51	
For >6,000 To 8,000, Deduct	-2.64	
For >8,000, Deduct	-4.14	
02 41 16 13-0046 SF 12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	8.40	
For >500 To 2,000, Deduct	-0.63	
For >2,000 To 6,000, Deduct	-1.68	
For >6,000 To 8,000, Deduct	-2.94	
For >8,000, Deduct	-4.62	
02 41 16 13-0047 SF 16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	10.49	
For >500 To 2,000, Deduct	-0.79	
For >2,000 To 6,000, Deduct	-2.10	
For >6,000 To 8,000, Deduct	-3.67	
For >8,000, Deduct	-5.77	
02 41 16 13-0048 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.51	
For >500 To 2,000, Deduct	-0.49	
For >2,000 To 6,000, Deduct	-1.30	
For >6,000 To 8,000, Deduct	-2.28	
For >8,000, Deduct	-3.58	
02 41 16 13-0049 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.96	
For >500 To 2,000, Deduct	-0.52	
For >2,000 To 6,000, Deduct	-1.39	
For >6,000 To 8,000, Deduct	-2.44	
For >8,000, Deduct	-3.83	
02 41 16 13-0050 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.85	
For >500 To 2,000, Deduct	-0.59	
For >2,000 To 6,000, Deduct	-1.57	
For >6,000 To 8,000, Deduct	-2.75	
For >8,000, Deduct	-4.32	
02 41 16 13-0051 SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition	9.03	
For >500 To 2,000, Deduct	-0.68	
For >2,000 To 6,000, Deduct	-1.81	
For >6,000 To 8,000, Deduct	-3.16	
For >8,000, Deduct	-4.97	
02 41 16 13-0052 SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition	10.07	
For >500 To 2,000, Deduct	-0.76	
For >2,000 To 6,000, Deduct	-2.01	
For >6,000 To 8,000, Deduct	-3.52	
For >8,000, Deduct	-5.54	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0053 SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	12.59	
For >500 To 2,000, Deduct	-0.94	
For >2,000 To 6,000, Deduct	-2.52	
For >6,000 To 8,000, Deduct	-4.41	
For >8,000, Deduct	-6.92	
02 41 16 13-0054 Brick Foundation Wall Demolition (02 41 16 13-0024)		
02 41 16 13-0055 SF 4" Thick Brick Foundation Wall Demolition	5.43	
For >500 To 2,000, Deduct	-0.41	
For >2,000 To 6,000, Deduct	-1.09	
For >6,000 To 8,000, Deduct	-1.90	
For >8,000, Deduct	-2.99	
02 41 16 13-0056 SF 6" Thick Brick Foundation Wall Demolition	5.80	
For >500 To 2,000, Deduct	-0.44	
For >2,000 To 6,000, Deduct	-1.16	
For >6,000 To 8,000, Deduct	-2.03	
For >8,000, Deduct	-3.19	
02 41 16 13-0057 SF 8" Thick Brick Foundation Wall Demolition	6.55	
For >500 To 2,000, Deduct	-0.49	
For >2,000 To 6,000, Deduct	-1.31	
For >6,000 To 8,000, Deduct	-2.29	
For >8,000, Deduct	-3.60	
02 41 16 13-0058 SF 10" Thick Brick Foundation Wall Demolition	7.53	
For >500 To 2,000, Deduct	-0.56	
For >2,000 To 6,000, Deduct	-1.51	
For >6,000 To 8,000, Deduct	-2.64	
For >8,000, Deduct	-4.14	
02 41 16 13-0059 SF 12" Thick Brick Foundation Wall Demolition	8.40	
For >500 To 2,000, Deduct	-0.63	
For >2,000 To 6,000, Deduct	-1.68	
For >6,000 To 8,000, Deduct	-2.94	
For >8,000, Deduct	-4.62	
02 41 16 13-0060 SF 16" Thick Brick Foundation Wall Demolition	10.49	
For >500 To 2,000, Deduct	-0.79	
For >2,000 To 6,000, Deduct	-2.10	
For >6,000 To 8,000, Deduct	-3.67	
For >8,000, Deduct	-5.77	
02 41 16 13-0061 Stone Foundation Demolition (02 41 16 13-0024)		
02 41 16 13-0062 CF Stone Footing Or Foundation Wall Demolition.....	17.28	
For >135 To 405, Deduct	-1.51	
For >405 To 810, Deduct	-3.02	
For >810 To 2025, Deduct	-4.32	
For >2025, Deduct	-6.91	
02 41 16 13-0063 Other Foundation Demolition (02 41 16 13-0024)		
02 41 16 13-0064 CF Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc.	17.82	
Note: Includes excavation.		
For >135 To 405, Deduct	-1.56	
For >405 To 810, Deduct	-3.12	
For >810 To 2025, Deduct	-4.46	
For >2025, Deduct	-7.13	
02 41 19 Selective Demolition (02 41)		
02 41 19 13 Selective Building Demolition (02 41 19)		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal	17.51	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal	27.36	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal	35.06	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal	43.88	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal	53.90	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	30.27	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	35.51	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	26.67	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	20.40	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	14.13	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.26	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	31.96	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	61.42	
02 41 19 13-0018		Facade Removal (02 41 19 13-0001) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	6.67	
		For Cleaning and Storage For Reuse, Add	10.01	
02 41 19 13-0020		Exterior Masonry Removal (02 41 19 13-0001) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.87	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall.....	6.62	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall.....	8.00	
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall.....	8.74	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall.....	9.60	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall.....	12.01	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.93	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.93	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	9.60	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	10.49	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	11.52	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	14.41	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall.....	5.87	
		For Cleaning and Storage For Reuse, Add	8.81	
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall.....	6.62	
		For Cleaning and Storage For Reuse, Add	9.93	
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall.....	8.00	
		For Cleaning and Storage For Reuse, Add	12.00	
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall.....	8.74	
		For Cleaning and Storage For Reuse, Add	13.11	
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall.....	9.60	
		For Cleaning and Storage For Reuse, Add	14.40	
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall.....	12.01	
		For Cleaning and Storage For Reuse, Add	18.02	
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	17.06	
		For Cleaning and Storage For Reuse, Add	25.59	
02 41 19 13-0040		Lintel Removal (02 41 19 13-0001) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0041	LF	Demolish Steel Lintel	13.42	
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel	17.90	
02 41 19 13-0043	LF	Demolish Steel Shelf Angle	14.16	
02 41 19 13-0044		Reinstall Lintel (02 41 19 13-0001) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	7.75	
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel	17.90	
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle	50.26	
		Note: Includes fasteners.		
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel.....	19.89	
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	84.84	
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings.....	160.64	
02 41 19 13-0051		Exterior Concrete Wall Removal (02 41 19 13) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.69	
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	13.95	
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	17.53	
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	20.67	
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	24.44	
02 41 19 13-0057		Elevated Concrete Removal (02 41 19 13) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0058	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	14.90	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059		Saw Cutting (02 41 19 13) Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0060	EA	Minimum Charge For Saw Cut.....	1,220.79	
02 41 19 13-0061	LF	Bituminous Paving Up To 4" Depth, Saw Cut.....	2.73	
		For Each Additional Pass (Depth To 3"), Add	1.05	
		For >250, Deduct	-0.26	
02 41 19 13-0062	LF	Brick Masonry Up To 4" Depth, Saw Cut.....	10.06	
		For Each Additional Pass (Depth To 3"), Add	3.97	
		For >250, Deduct	-0.99	
02 41 19 13-0063	LF	Concrete Block Up To 4" Depth, Saw Cut.....	9.10	
		For Each Additional Pass (Depth To 3"), Add	3.58	
		For >250, Deduct	-0.89	
02 41 19 13-0064	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut.....	3.15	
		For Each Additional Pass (Depth To 3"), Add	1.20	
		For >250, Deduct	-0.29	
02 41 19 13-0065	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut.....	4.14	
		For Each Additional Pass (Depth To 3"), Add	1.58	
		For >250, Deduct	-0.39	
02 41 19 13-0066	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut.....	6.78	
		For Each Additional Pass (Depth To 3"), Add	2.63	
		For >250, Deduct	-0.65	
02 41 19 13-0067	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut.....	12.84	
		For Each Additional Pass (Depth To 3"), Add	5.07	
		For >250, Deduct	-1.26	
02 41 19 13-0068	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	17.25	
		For Each Additional Pass (Depth To 3"), Add	6.82	
		For >250, Deduct	-1.70	
02 41 19 13-0069	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	3.42	
		For Each Additional Pass (Depth To 3"), Add	1.24	
		For >250, Deduct	-0.30	
02 41 19 13-0070	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	9.14	
		For Each Additional Pass (Depth To 3"), Add	3.59	
		For >250, Deduct	-0.89	
02 41 19 13-0071	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....	9.14	
		For Each Additional Pass (Depth To 3"), Add	3.59	
		For >250, Deduct	-0.89	
02 41 19 13-0072	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	9.14	
		For Each Additional Pass (Depth To 3"), Add	3.59	
		For >250, Deduct	-0.89	
02 41 19 13-0073	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut.....	9.14	
		For Each Additional Pass (Depth To 3"), Add	3.59	
		For >250, Deduct	-0.89	
02 41 19 13-0074		Torch Cutting (02 41 19 13) Note: Includes grinding edge		
02 41 19 13-0075	LF	Up To 1/2", Torch Cut Steel Plate.....	3.19	
02 41 19 13-0076	LF	>1/2" To 1" Thick, Torch Cut Steel Plate.....	6.39	
02 41 19 13-0077	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate.....	9.57	
02 41 19 13-0078	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate.....	12.76	
02 41 19 13-0079	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate.....	15.96	
02 41 19 13-0080	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate.....	19.15	
02 41 19 13-0081	EA	Minimum Charge For Torch Cutting.....	1,053.72	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0082		Drilling In Existing Materials (02 41 19 13) Note: Includes drill bit wear, water, layout, set-up and cleanup.		
02 41 19 13-0083		Concrete Core Drilling (02 41 19 13-0082)		
02 41 19 13-0084		Up To 4" Thick Concrete Core Drilling (02 41 19 13-0083)		
02 41 19 13-0085	EA	Drill 1" Diameter Core In Up To 4" Concrete.....	48.61	
		For Horizontal Cores, Add	9.62	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.24	
02 41 19 13-0086	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	53.94	
		For Horizontal Cores, Add	10.69	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.37	
02 41 19 13-0087	EA	Drill 2" Diameter Core In Up To 4" Concrete.....	59.89	
		For Horizontal Cores, Add	11.88	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.75	
02 41 19 13-0088	EA	Drill 3" Diameter Core In Up To 4" Concrete.....	85.51	
		For Horizontal Cores, Add	16.96	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.93	
02 41 19 13-0089	EA	Drill 4" Diameter Core In Up To 4" Concrete.....	114.60	
		For Horizontal Cores, Add	22.73	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.47	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	EA	Drill 6" Diameter Core In Up To 4" Concrete.....	128.40	
		For Horizontal Cores, Add	25.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.89	
02 41 19 13-0091	EA	Drill 8" Diameter Core In Up To 4" Concrete.....	205.19	
		For Horizontal Cores, Add	40.72	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.44	
02 41 19 13-0092	EA	Drill 10" Diameter Core In Up To 4" Concrete.....	256.67	
		For Horizontal Cores, Add	50.90	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.79	
02 41 19 13-0093	EA	Drill 12" Diameter Core In Up To 4" Concrete.....	299.52	
		For Horizontal Cores, Add	59.38	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	118.76	
02 41 19 13-0094	EA	Drill 14" Diameter Core In Up To 4" Concrete.....	342.40	
		For Horizontal Cores, Add	67.86	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.71	
02 41 19 13-0095	EA	Drill 18" Diameter Core In Up To 4" Concrete.....	385.68	
		For Horizontal Cores, Add	76.33	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.67	
02 41 19 13-0096 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0083)				
02 41 19 13-0097	EA	Drill 1" Diameter Core In >4" To 6" Concrete.....	69.48	
		For Horizontal Cores, Add	13.74	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.48	
02 41 19 13-0098	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	77.12	
		For Horizontal Cores, Add	15.27	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.53	
02 41 19 13-0099	EA	Drill 2" Diameter Core In >4" To 6" Concrete.....	85.60	
		For Horizontal Cores, Add	16.96	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.92	
02 41 19 13-0100	EA	Drill 3" Diameter Core In >4" To 6" Concrete.....	102.87	
		For Horizontal Cores, Add	20.36	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.72	
02 41 19 13-0101	EA	Drill 4" Diameter Core In >4" To 6" Concrete.....	128.66	
		For Horizontal Cores, Add	25.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.89	
02 41 19 13-0102	EA	Drill 6" Diameter Core In >4" To 6" Concrete.....	171.44	
		For Horizontal Cores, Add	33.93	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.86	
02 41 19 13-0103	EA	Drill 8" Diameter Core In >4" To 6" Concrete.....	256.91	
		For Horizontal Cores, Add	50.90	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.79	
02 41 19 13-0104	EA	Drill 10" Diameter Core In >4" To 6" Concrete.....	300.17	
		For Horizontal Cores, Add	59.38	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	118.76	
02 41 19 13-0105	EA	Drill 12" Diameter Core In >4" To 6" Concrete.....	343.20	
		For Horizontal Cores, Add	67.86	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.71	
02 41 19 13-0106	EA	Drill 14" Diameter Core In >4" To 6" Concrete.....	386.43	
		For Horizontal Cores, Add	76.33	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.67	
02 41 19 13-0107	EA	Drill 18" Diameter Core In >4" To 6" Concrete.....	430.28	
		For Horizontal Cores, Add	84.82	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.64	
02 41 19 13-0108 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0083)				
02 41 19 13-0109	EA	Drill 1" Diameter Core In >6" To 8" Concrete.....	76.65	
		For Horizontal Cores, Add	15.12	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.23	
02 41 19 13-0110	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	85.04	
		For Horizontal Cores, Add	16.79	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.59	
02 41 19 13-0111	EA	Drill 2" Diameter Core In >6" To 8" Concrete.....	94.38	
		For Horizontal Cores, Add	18.66	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.32	
02 41 19 13-0112	EA	Drill 3" Diameter Core In >6" To 8" Concrete.....	111.75	
		For Horizontal Cores, Add	22.06	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.11	
02 41 19 13-0113	EA	Drill 4" Diameter Core In >6" To 8" Concrete.....	146.12	
		For Horizontal Cores, Add	28.84	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	57.68	
02 41 19 13-0114	EA	Drill 6" Diameter Core In >6" To 8" Concrete.....	205.97	
		For Horizontal Cores, Add	40.72	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.44	
02 41 19 13-0115	EA	Drill 8" Diameter Core In >6" To 8" Concrete.....	342.53	
		For Horizontal Cores, Add	67.86	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.71	
02 41 19 13-0116	EA	Drill 10" Diameter Core In >6" To 8" Concrete.....	386.02	
		For Horizontal Cores, Add	76.33	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.67	
02 41 19 13-0117	EA	Drill 12" Diameter Core In >6" To 8" Concrete.....	429.33	
		For Horizontal Cores, Add	84.82	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.64	



Existing Conditions			02
Demolition and Structure Moving			02 40
Demolition			02 41

02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 14" Diameter Core In >6" To 8" Concrete.....	472.85	
		For Horizontal Cores, Add	93.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	186.58	
02 41 19 13-0119	EA	Drill 18" Diameter Core In >6" To 8" Concrete.....	517.30	
		For Horizontal Cores, Add	101.79	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	203.58	
02 41 19 13-0120 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0083)				
02 41 19 13-0121	EA	Drill 1" Diameter Core In >8" To 10" Concrete.....	90.66	
		For Horizontal Cores, Add	17.86	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.72	
02 41 19 13-0122	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	100.59	
		For Horizontal Cores, Add	19.85	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.70	
02 41 19 13-0123	EA	Drill 2" Diameter Core In >8" To 10" Concrete.....	111.62	
		For Horizontal Cores, Add	22.05	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.11	
02 41 19 13-0124	EA	Drill 3" Diameter Core In >8" To 10" Concrete.....	129.09	
		For Horizontal Cores, Add	25.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.89	
02 41 19 13-0125	EA	Drill 4" Diameter Core In >8" To 10" Concrete.....	146.62	
		For Horizontal Cores, Add	28.84	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	57.68	
02 41 19 13-0126	EA	Drill 6" Diameter Core In >8" To 10" Concrete.....	206.58	
		For Horizontal Cores, Add	40.72	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.44	
02 41 19 13-0127	EA	Drill 8" Diameter Core In >8" To 10" Concrete.....	343.35	
		For Horizontal Cores, Add	67.86	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.71	
02 41 19 13-0128	EA	Drill 10" Diameter Core In >8" To 10" Concrete.....	387.11	
		For Horizontal Cores, Add	76.33	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.67	
02 41 19 13-0129	EA	Drill 12" Diameter Core In >8" To 10" Concrete.....	430.55	
		For Horizontal Cores, Add	84.81	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.61	
02 41 19 13-0130	EA	Drill 14" Diameter Core In >8" To 10" Concrete.....	474.50	
		For Horizontal Cores, Add	93.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	186.58	
02 41 19 13-0131	EA	Drill 18" Diameter Core In >8" To 10" Concrete.....	519.33	
		For Horizontal Cores, Add	101.77	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	203.53	
02 41 19 13-0132 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0083)				
02 41 19 13-0133	EA	Drill 1" Diameter Core In >10" To 12" Concrete.....	97.82	
		For Horizontal Cores, Add	19.24	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.48	
02 41 19 13-0134	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	108.51	
		For Horizontal Cores, Add	21.38	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.75	
02 41 19 13-0135	EA	Drill 2" Diameter Core In >10" To 12" Concrete.....	120.39	
		For Horizontal Cores, Add	23.75	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.50	
02 41 19 13-0136	EA	Drill 3" Diameter Core In >10" To 12" Concrete.....	129.48	
		For Horizontal Cores, Add	25.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.89	
02 41 19 13-0137	EA	Drill 4" Diameter Core In >10" To 12" Concrete.....	172.58	
		For Horizontal Cores, Add	33.93	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.86	
02 41 19 13-0138	EA	Drill 6" Diameter Core In >10" To 12" Concrete.....	224.15	
		For Horizontal Cores, Add	44.11	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.22	
02 41 19 13-0139	EA	Drill 8" Diameter Core In >10" To 12" Concrete.....	361.15	
		For Horizontal Cores, Add	71.25	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	142.50	
02 41 19 13-0140	EA	Drill 10" Diameter Core In >10" To 12" Concrete.....	388.19	
		For Horizontal Cores, Add	76.33	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	152.67	
02 41 19 13-0141	EA	Drill 12" Diameter Core In >10" To 12" Concrete.....	448.94	
		For Horizontal Cores, Add	88.22	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	176.45	
02 41 19 13-0142 >12" Thick Concrete Core Drilling (02 41 19 13-0083)				
02 41 19 13-0143	IN	Drill 1" Diameter Core In >12" Concrete	11.90	
		For Horizontal Cores, Add	2.35	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.70	
02 41 19 13-0144	IN	Drill 1-1/2" Diameter Core In >12" Concrete	13.21	
		For Horizontal Cores, Add	2.61	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.23	
02 41 19 13-0145	IN	Drill 2" Diameter Core In >12" Concrete	14.66	
		For Horizontal Cores, Add	2.90	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.81	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0146	IN	Drill 3" Diameter Core In >12" Concrete	16.08	
		For Horizontal Cores, Add	3.18	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.36	
02 41 19 13-0147	IN	Drill 4" Diameter Core In >12" Concrete	21.44	
		For Horizontal Cores, Add	4.24	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.48	
02 41 19 13-0148	IN	Drill 6" Diameter Core In >12" Concrete	27.88	
		For Horizontal Cores, Add	5.52	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.03	
02 41 19 13-0149	IN	Drill 8" Diameter Core In >12" Concrete	44.98	
		For Horizontal Cores, Add	8.91	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.83	
02 41 19 13-0150	IN	Drill 10" Diameter Core In >12" Concrete	48.45	
		For Horizontal Cores, Add	9.58	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.16	
02 41 19 13-0151	IN	Drill 12" Diameter Core In >12" Concrete	55.82	
		For Horizontal Cores, Add	11.03	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.07	
02 41 19 13-0152		Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0153		Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)		
02 41 19 13-0154	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	38.99	
		For Horizontal Cores, Add	7.70	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.39	
02 41 19 13-0155	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	43.25	
		For Horizontal Cores, Add	8.55	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.10	
02 41 19 13-0156	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	48.01	
		For Horizontal Cores, Add	9.50	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.00	
02 41 19 13-0157	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	68.55	
		For Horizontal Cores, Add	13.57	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.14	
02 41 19 13-0158	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	91.86	
		For Horizontal Cores, Add	18.19	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.37	
02 41 19 13-0159	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	102.96	
		For Horizontal Cores, Add	20.36	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.72	
02 41 19 13-0160	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	164.47	
		For Horizontal Cores, Add	32.57	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.15	
02 41 19 13-0161	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	205.77	
		For Horizontal Cores, Add	40.72	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.43	
02 41 19 13-0162	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	240.14	
		For Horizontal Cores, Add	47.50	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.01	
02 41 19 13-0163	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	274.54	
		For Horizontal Cores, Add	54.28	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.57	
02 41 19 13-0164	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	309.35	
		For Horizontal Cores, Add	61.07	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.14	
02 41 19 13-0165		>4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)		
02 41 19 13-0166	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	55.75	
		For Horizontal Cores, Add	10.99	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.98	
02 41 19 13-0167	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	61.85	
		For Horizontal Cores, Add	12.21	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.42	
02 41 19 13-0168	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	68.63	
		For Horizontal Cores, Add	13.57	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.14	
02 41 19 13-0169	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	82.51	
		For Horizontal Cores, Add	16.29	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.57	
02 41 19 13-0170	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	103.22	
		For Horizontal Cores, Add	20.36	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.72	
02 41 19 13-0171	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	137.50	
		For Horizontal Cores, Add	27.14	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.29	
02 41 19 13-0172	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	206.01	
		For Horizontal Cores, Add	40.72	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.43	
02 41 19 13-0173	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	240.79	
		For Horizontal Cores, Add	47.50	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.01	



Existing Conditions			02
Demolition and Structure Moving			02 40
Demolition			02 41

02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0174	EA		Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	275.34	
			For Horizontal Cores, Add	54.28	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.57	
02 41 19 13-0175	EA		Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	310.10	
			For Horizontal Cores, Add	61.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.14	
02 41 19 13-0176	EA		Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	345.46	
			For Horizontal Cores, Add	67.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.72	
02 41 19 13-0177 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)					
02 41 19 13-0178	EA		Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	61.54	
			For Horizontal Cores, Add	12.09	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.19	
02 41 19 13-0179	EA		Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	68.25	
			For Horizontal Cores, Add	13.44	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.87	
02 41 19 13-0180	EA		Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	75.72	
			For Horizontal Cores, Add	14.93	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.86	
02 41 19 13-0181	EA		Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	89.68	
			For Horizontal Cores, Add	17.64	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.28	
02 41 19 13-0182	EA		Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	117.28	
			For Horizontal Cores, Add	23.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.14	
02 41 19 13-0183	EA		Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	165.25	
			For Horizontal Cores, Add	32.57	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.15	
02 41 19 13-0184	EA		Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	274.67	
			For Horizontal Cores, Add	54.28	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.57	
02 41 19 13-0185	EA		Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	309.69	
			For Horizontal Cores, Add	61.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.14	
02 41 19 13-0186	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	344.51	
			For Horizontal Cores, Add	67.86	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.72	
02 41 19 13-0187	EA		Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	379.57	
			For Horizontal Cores, Add	74.63	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	149.26	
02 41 19 13-0188	EA		Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	415.51	
			For Horizontal Cores, Add	81.43	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	162.87	
02 41 19 13-0189 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)					
02 41 19 13-0190	EA		Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	72.81	
			For Horizontal Cores, Add	14.29	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.58	
02 41 19 13-0191	EA		Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	80.75	
			For Horizontal Cores, Add	15.88	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.76	
02 41 19 13-0192	EA		Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	89.56	
			For Horizontal Cores, Add	17.64	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.28	
02 41 19 13-0193	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	103.65	
			For Horizontal Cores, Add	20.36	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.72	
02 41 19 13-0194	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	117.78	
			For Horizontal Cores, Add	23.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.14	
02 41 19 13-0195	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	165.86	
			For Horizontal Cores, Add	32.57	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.15	
02 41 19 13-0196	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	275.49	
			For Horizontal Cores, Add	54.28	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.57	
02 41 19 13-0197	EA		Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	310.78	
			For Horizontal Cores, Add	61.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.14	
02 41 19 13-0198	EA		Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	345.74	
			For Horizontal Cores, Add	67.84	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.69	
02 41 19 13-0199	EA		Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	381.22	
			For Horizontal Cores, Add	74.63	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	149.26	
02 41 19 13-0200	EA		Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	417.57	
			For Horizontal Cores, Add	81.41	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	162.83	
02 41 19 13-0201 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)					

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0202 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	78.58	
For Horizontal Cores, Add	15.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.78	
02 41 19 13-0203 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	87.14	
For Horizontal Cores, Add	17.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.20	
02 41 19 13-0204 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	96.64	
For Horizontal Cores, Add	19.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.00	
02 41 19 13-0205 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	104.04	
For Horizontal Cores, Add	20.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.72	
02 41 19 13-0206 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	138.64	
For Horizontal Cores, Add	27.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.29	
02 41 19 13-0207 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	180.04	
For Horizontal Cores, Add	35.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.58	
02 41 19 13-0208 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	289.89	
For Horizontal Cores, Add	57.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.00	
02 41 19 13-0209 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	311.86	
For Horizontal Cores, Add	61.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	122.14	
02 41 19 13-0210 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	360.71	
For Horizontal Cores, Add	70.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	141.16	
02 41 19 13-0211 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0152)		
02 41 19 13-0212 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	9.55	
For Horizontal Cores, Add	1.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.76	
02 41 19 13-0213 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	10.60	
For Horizontal Cores, Add	2.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.18	
02 41 19 13-0214 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	11.76	
For Horizontal Cores, Add	2.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.65	
02 41 19 13-0215 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	12.91	
For Horizontal Cores, Add	2.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.09	
02 41 19 13-0216 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	17.20	
For Horizontal Cores, Add	3.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.78	
02 41 19 13-0217 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	22.37	
For Horizontal Cores, Add	4.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.83	
02 41 19 13-0218 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	36.07	
For Horizontal Cores, Add	7.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.26	
02 41 19 13-0219 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	38.87	
For Horizontal Cores, Add	7.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.33	
02 41 19 13-0220 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	44.79	
For Horizontal Cores, Add	8.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.66	
02 41 19 13-0221 Asphalt Core Drilling (02 41 19 13-0082)		
02 41 19 13-0222 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0221)		
02 41 19 13-0223 EA Drill 1" Diameter Core In Up To 2" Asphalt	23.33	
02 41 19 13-0224 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	29.16	
02 41 19 13-0225 EA Drill 2" Diameter Core In Up To 2" Asphalt	36.46	
02 41 19 13-0226 EA Drill 3" Diameter Core In Up To 2" Asphalt	45.23	
02 41 19 13-0227 EA Drill 4" Diameter Core In Up To 2" Asphalt	56.91	
02 41 19 13-0228 EA Drill 6" Diameter Core In Up To 2" Asphalt	71.50	
02 41 19 13-0229 EA Drill 8" Diameter Core In Up To 2" Asphalt	89.06	
02 41 19 13-0230 EA Drill 10" Diameter Core In Up To 2" Asphalt	110.91	
02 41 19 13-0231 EA Drill 12" Diameter Core In Up To 2" Asphalt	138.60	
02 41 19 13-0232 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0221)		
02 41 19 13-0233 EA Drill 1" Diameter Core In >2" To 3" Asphalt	29.15	
02 41 19 13-0234 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	37.89	
02 41 19 13-0235 EA Drill 2" Diameter Core In >2" To 3" Asphalt	46.64	
02 41 19 13-0236 EA Drill 3" Diameter Core In >2" To 3" Asphalt	58.33	
02 41 19 13-0237 EA Drill 4" Diameter Core In >2" To 3" Asphalt	72.91	
02 41 19 13-0238 EA Drill 6" Diameter Core In >2" To 3" Asphalt	91.87	
02 41 19 13-0239 EA Drill 8" Diameter Core In >2" To 3" Asphalt	113.80	
02 41 19 13-0240 EA Drill 10" Diameter Core In >2" To 3" Asphalt	142.94	
02 41 19 13-0241 EA Drill 12" Diameter Core In >2" To 3" Asphalt	177.91	



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 19 13-0242 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0221)

02 41 19 13-0243	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	37.90
02 41 19 13-0244	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	48.13
02 41 19 13-0245	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	59.78
02 41 19 13-0246	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	74.40
02 41 19 13-0247	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	93.39
02 41 19 13-0248	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	116.73
02 41 19 13-0249	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	145.98
02 41 19 13-0250	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	182.42
02 41 19 13-0251	EA	Drill 12" Diameter Core In >3" To 4" Asphalt	227.61

02 41 19 13-0252 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0221)

02 41 19 13-0253	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	49.61
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	61.30
02 41 19 13-0255	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	75.89
02 41 19 13-0256	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	96.36
02 41 19 13-0257	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	119.77
02 41 19 13-0258	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	148.98
02 41 19 13-0259	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	187.05
02 41 19 13-0260	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	233.70
02 41 19 13-0261	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	292.06

02 41 19 13-0262 Manhole Core Drilling (02 41 19 13-0082)

02 41 19 13-0263	EA	Drill 4" Diameter Core In 6" Brick Manhole	255.44
02 41 19 13-0264	EA	Drill 5" Diameter Core In 6" Brick Manhole	291.92
02 41 19 13-0265	EA	Drill 6" Diameter Core In 6" Brick Manhole	340.47
02 41 19 13-0266	EA	Drill 8" Diameter Core In 6" Brick Manhole	510.58
02 41 19 13-0267	EA	Drill 2" Diameter Core In 8" Concrete Manhole	342.26
02 41 19 13-0268	EA	Drill 3" Diameter Core In 8" Concrete Manhole	364.44
02 41 19 13-0269	EA	Drill 4" Diameter Core In 8" Concrete Manhole	401.18
02 41 19 13-0270	EA	Drill 5" Diameter Core In 8" Concrete Manhole	430.46
02 41 19 13-0271	EA	Drill 6" Diameter Core In 8" Concrete Manhole	510.54
02 41 19 13-0272	EA	Drill 8" Diameter Core In 8" Concrete Manhole	729.19
02 41 19 13-0273	EA	Drill 2" Diameter Core In Fiberglass Manhole	33.96
02 41 19 13-0274	EA	Drill 3" Diameter Core In Fiberglass Manhole	39.19
02 41 19 13-0275	EA	Drill 4" Diameter Core In Fiberglass Manhole	42.46
02 41 19 13-0276	EA	Drill 5" Diameter Core In Fiberglass Manhole	46.32
02 41 19 13-0277	EA	Drill 6" Diameter Core In Fiberglass Manhole	50.96
02 41 19 13-0278	EA	Drill 8" Diameter Core In Fiberglass Manhole	56.64

02 41 19 13-0279 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0082)

Note: Includes layout.

02 41 19 13-0280	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.52
02 41 19 13-0281	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.67
02 41 19 13-0282	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.81
02 41 19 13-0283	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.02
02 41 19 13-0284	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	3.21
02 41 19 13-0285	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.53
02 41 19 13-0286	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.81
02 41 19 13-0287	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	4.01
02 41 19 13-0288	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.73
02 41 19 13-0289	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.44
02 41 19 13-0290	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.73
02 41 19 13-0291	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	5.02
02 41 19 13-0292	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	5.56
02 41 19 13-0293	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	6.48

02 41 19 13-0294 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0082)

Note: Includes layout.

02 41 19 13-0295	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.10
02 41 19 13-0296	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22
02 41 19 13-0297	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.34
02 41 19 13-0298	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.52
02 41 19 13-0299	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.68
02 41 19 13-0300	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.94
02 41 19 13-0301	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.18
02 41 19 13-0302	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.34
02 41 19 13-0303	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.53
02 41 19 13-0304	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.70
02 41 19 13-0305	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.95
02 41 19 13-0306	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.18
02 41 19 13-0307	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.67
02 41 19 13-0308	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	5.40

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0309	Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0082)	
	Note: Includes layout.	
02 41 19 13-0310	IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.04
02 41 19 13-0311	IN 5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.10
02 41 19 13-0312	IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.17
02 41 19 13-0313	IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.26
02 41 19 13-0314	IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.33
02 41 19 13-0315	IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.46
02 41 19 13-0316	IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.58
02 41 19 13-0317	IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.67
02 41 19 13-0318	IN 1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.75
02 41 19 13-0319	IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.84
02 41 19 13-0320	IN 1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.96
02 41 19 13-0321	IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.09
02 41 19 13-0322	IN 1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.32
02 41 19 13-0323	IN 2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.70
02 41 19 13-0324	Limestone Core Drilling (02 41 19 13-0082)	
02 41 19 13-0325	10" To 14" Thick Limestone Core Drilling (02 41 19 13-0324)	
02 41 19 13-0326	EA Drill 1" Diameter Core In 10" To 14" Limestone.....	73.26
02 41 19 13-0327	EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	87.99
02 41 19 13-0328	EA Drill 2" Diameter Core In 10" To 14" Limestone.....	95.44
02 41 19 13-0329	EA Drill 3" Diameter Core In 10" To 14" Limestone.....	110.38
02 41 19 13-0330	EA Drill 4" Diameter Core In 10" To 14" Limestone.....	125.33
02 41 19 13-0331	EA Drill 6" Diameter Core In 10" To 14" Limestone.....	176.62
02 41 19 13-0332	EA Drill 8" Diameter Core In 10" To 14" Limestone.....	293.64
02 41 19 13-0333	15" To 18" Thick Limestone Core Drilling (02 41 19 13-0324)	
02 41 19 13-0334	EA Drill 1" Diameter Core In 15" To 18" Limestone.....	80.67
02 41 19 13-0335	EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	95.42
02 41 19 13-0336	EA Drill 2" Diameter Core In 15" To 18" Limestone.....	102.93
02 41 19 13-0337	EA Drill 3" Diameter Core In 15" To 18" Limestone.....	110.69
02 41 19 13-0338	EA Drill 4" Diameter Core In 15" To 18" Limestone.....	147.52
02 41 19 13-0339	EA Drill 6" Diameter Core In 15" To 18" Limestone.....	191.60
02 41 19 13-0340	EA Drill 8" Diameter Core In 15" To 18" Limestone.....	308.94
02 41 19 13-0341	19" To 24" Thick Limestone Core Drilling (02 41 19 13-0324)	
02 41 19 13-0342	EA Drill 1" Diameter Core In 19" To 24" Limestone.....	88.04
02 41 19 13-0343	EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	102.85
02 41 19 13-0344	EA Drill 2" Diameter Core In 19" To 24" Limestone.....	110.39
02 41 19 13-0345	EA Drill 3" Diameter Core In 19" To 24" Limestone.....	125.46
02 41 19 13-0346	EA Drill 4" Diameter Core In 19" To 24" Limestone.....	176.92
02 41 19 13-0347	EA Drill 6" Diameter Core In 19" To 24" Limestone.....	221.09
02 41 19 13-0348	EA Drill 8" Diameter Core In 19" To 24" Limestone.....	331.50
02 41 19 13-0349	Minimum Charge For Core Drilling (02 41 19 13-0082)	
02 41 19 13-0350	EA Minimum Charge For Core Drill.....	983.47
	Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	
02 41 19 13-0351	Cutouts (02 41 19 13)	
	Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.	
02 41 19 13-0352	Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0351)	
02 41 19 13-0353	SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	58.71
02 41 19 13-0354	SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	62.25
02 41 19 13-0355	SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	65.81
02 41 19 13-0356	SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	69.37
02 41 19 13-0357	SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	71.15
02 41 19 13-0358	Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0351)	
	Note: Includes cutting and removing steel decking.	
02 41 19 13-0359	SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	71.54
02 41 19 13-0360	SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	75.88
02 41 19 13-0361	SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	80.21
02 41 19 13-0362	SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	84.55
02 41 19 13-0363	SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	86.72
02 41 19 13-0364	Reinforced Concrete Wall Cutouts (02 41 19 13-0351)	
02 41 19 13-0365	SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	73.37
02 41 19 13-0366	SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	77.83



Existing Conditions		02
Demolition and Structure Moving		02 40
Demolition		02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0367 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	82.27	
02 41 19 13-0368 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	86.72	
02 41 19 13-0369 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	88.94	
02 41 19 13-0370 Brick Wall Cutouts (02 41 19 13-0351) Note: Excludes toothing.		
02 41 19 13-0371 SF 4" Thick Brick Wall Cutouts, <24 SF	22.23	
02 41 19 13-0372 SF 6" Thick Brick Wall Cutouts, <24 SF	36.69	
02 41 19 13-0373 SF 8" Thick Brick Wall Cutouts, <24 SF	51.09	
02 41 19 13-0374 SF 10" Thick Brick Wall Cutouts, <24 SF	62.25	
02 41 19 13-0375 SF 12" Thick Brick Wall Cutouts, <24 SF	74.49	
02 41 19 13-0376 SF 16" Thick Brick Wall Cutouts, <24 SF	87.82	
02 41 19 13-0377 Concrete Block Wall Cutouts (02 41 19 13-0351) Note: Excludes toothing.		
02 41 19 13-0378 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	36.78	
02 41 19 13-0379 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	38.96	
02 41 19 13-0380 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	41.13	
02 41 19 13-0381 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	43.36	
02 41 19 13-0382 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	44.47	
02 41 19 13-0383 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	46.69	
02 41 19 13-0384 Limestone Cutouts (02 41 19 13-0351)		
02 41 19 13-0385 SF 2" Thick Limestone Cutouts, <24 SF	62.25	
02 41 19 13-0386 SF 4" Thick Limestone Cutouts, <24 SF	75.60	
02 41 19 13-0387 SF 6" Thick Limestone Cutouts, <24 SF	80.04	
02 41 19 13-0388 SF 8" Thick Limestone Cutouts, <24 SF	84.50	
02 41 19 13-0389 SF 10" Thick Limestone Cutouts, <24 SF	88.94	
02 41 19 13-0390 SF 12" Thick Limestone Cutouts, <24 SF	93.39	
02 41 19 13-0391 Toothing Masonry Cutouts (02 41 19 13-0351) Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0392 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	22.23	
02 41 19 13-0393 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	30.01	
02 41 19 13-0394 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	13.34	
02 41 19 13-0395 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	17.79	
02 41 19 13-0396 Minimum Charge For Cutouts (02 41 19 13-0351) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0397 EA Minimum Charge For Cutouts	444.70	
02 41 19 16 Selective Interior Demolition (02 41 19) Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001) Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor	0.31	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser	2.59	
02 41 19 16-0005 SF Scarify Concrete Wall	2.35	
02 41 19 16-0006 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel	1.49	
02 41 19 16-0008 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling	1.15	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling	2.68	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System	2.05	
02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs	9.60	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs	8.02	
02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, cleanup.		
02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015) Note: Includes saw cutting, knock down, loading and cleanup.		

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0018 SF Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	6.22	
02 41 19 16-0019 SF Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	6.65	
02 41 19 16-0020 SF Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	7.48	
02 41 19 16-0021 SF Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	9.61	
02 41 19 16-0022 SF Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	12.01	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.46	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.97	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	8.99	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	11.53	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	14.42	
02 41 19 16-0028 Demolish Brick Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall.....	6.22	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall.....	7.48	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall.....	9.60	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall.....	12.01	
02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls.....	5.34	
02 41 19 16-0035 Demolish Concrete Interior Partition/Walls (02 41 19 16-0016)		
See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall.....	11.31	
02 41 19 16-0037 SF Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall.....	14.13	
02 41 19 16-0038 SF Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall.....	19.78	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	13.57	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	17.06	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	23.74	
02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	2.14	
02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	3.78	
For Heights >14' To 20'; Add	0.57	
For Heights >20'; Add	0.76	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	4.41	
For Heights >14' To 20'; Add	0.66	
For Heights >20'; Add	0.88	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	4.83	
For Heights >14' To 20'; Add	0.72	
For Heights >20'; Add	0.97	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	6.72	
For Heights >14' To 20'; Add	1.01	
For Heights >20'; Add	1.34	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.99	
For Heights >14' To 20'; Add	0.30	
For Heights >20'; Add	0.40	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	2.37	
For Heights >14' To 20'; Add	0.36	
For Heights >20'; Add	0.47	
02 42 Removal and Salvage of Construction Materials (02 40)		
02 42 21 Salvage of Construction Materials (02 42)		
Note: Includes placement on pallets and storage on site.		
02 42 21 35 Roofing Salvage (02 42 21)		
02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use (02 42 21 35)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	348.40	
02 42 21 47 Flooring Salvage (02 42 21)		
02 42 21 47-0001 Flooring Remove And Salvage For Re-Use (02 42 21 47)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....	3.17	
02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....	3.17	
02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....	4.38	
02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage.....	2.56	
02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage.....	1.35	
02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage.....	0.97	



Existing Conditions			02
Demolition and Structure Moving			02 40
Removal and Salvage of Construction Materials			02 42

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

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

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

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

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	41.26
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building.....	39.00
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building.....	36.51
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	33.11
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building.....	30.94
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	27.38
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	40.10
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	36.51
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	30.94

02 50 Site Remediation (02)**02 58 Snow Control** (02 50)**02 58 13 Snow Fencing** (02 58)**02 58 13 00-0001 Snow/Sand Fence On Steel Posts** (02 58 13)

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	8.79

2.52

02 60 Contaminated Site Material Removal (02)**02 61 Removal and Disposal of Contaminated Soils** (02 60)**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

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

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

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil	15.15
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil.....	8.58
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil.....	64.13

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

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

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage	1.70
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage	1.02
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			

02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils (02 61 26)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,389.83
For Work In Restricted Working Space, Add			416.95
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	92.13
For Work In Restricted Working Space, Add			27.64
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	61.42
For Work In Restricted Working Space, Add			18.43

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	46.13	
		<i>For Work In Restricted Working Space, Add</i>	13.84	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	36.85	
		<i>For Work In Restricted Working Space, Add</i>	11.06	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	31.32	
		<i>For Work In Restricted Working Space, Add</i>	9.40	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	28.19	
		<i>For Work In Restricted Working Space, Add</i>	8.46	

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0041 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis (02 65)**02 65 00 00-0002 Field Samples For Testing Underground Storage Tank** (02 65 00 00-0001)

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	24.14	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	24.14	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	24.14	

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test	214.08	
		Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.		
02 65 00 00-0008	EA	Flashpoint, Lab Test	83.25	
		Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.		
02 65 00 00-0009	EA	TOX 9020, Lab Test	200.28	
		Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.		
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test	214.08	
		Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.		
02 65 00 00-0011	EA	TRPH 418.1, Lab Test	166.51	
		Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.		
02 65 00 00-0012	EA	VOC, Lab Test	451.95	
		Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.		
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test	832.54	
		Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.		
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test	100.14	
		Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.		
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test	178.40	
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test	237.87	
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test	266.41	
		Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test	35.68	
		Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test	35.68	
		Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test	35.68	
		Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test	66.60	
		Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test	380.59	
		Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test	137.69	
		Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024	EA	pH, Lab Test	28.54	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	356.80	
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	214.08	

02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)

02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer	1,119.54	
		Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems	199.55	
		Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030	EA	Check And Report On Monitor Probes	45.91	
		Note: By Certified Technician		



Existing Conditions			02
Contaminated Site Material Removal			02 60
Underground Storage Tank Removal			02 65

02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	319.52	
		Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System.....	160.56	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	231.67	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	315.88	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank.....	224.76	
02 65 00 00-0036		Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	119.02	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist.....	120.08	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank.....	129.62	
		Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040		Remove Tank Contents (02 65)		
02 65 00 00-0041		Transfer Liquid (02 65 00 00-0040)		
		Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank	0.65	
		Note: Per gallon of material transferred.		
02 65 00 00-0043		Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.75	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.76	
02 65 00 00-0046		Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)		
		Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	7.27	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.58	
02 65 00 00-0049		Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050		Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice.....	4.53	
		Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.		
02 65 00 00-0052		High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
		Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	354.43	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	463.48	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	599.07	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	805.54	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,552.51	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,866.94	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,132.63	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,574.98	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,302.99	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,971.43	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,023.69	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,200.92	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	7,611.59	
02 65 00 00-0066		Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	273.39	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	364.04	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	477.03	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	660.58	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,462.88	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,852.32	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,167.55	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,724.91	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,541.71	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,445.55	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,788.48	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,946.17	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,682.72	
02 65 00 00-0080		Tank And Piping Removal (02 65)		
		Note: Excludes excavation.		

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 65 00 00-0081		Removal And Disposal Of Piping (02 65 00 00-0080)	
		Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	21.49
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	28.66

02 65 00 00-0084	Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)	
Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 786.44
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 954.96
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 1,123.49
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 1,404.36
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 1,966.10
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 2,471.67
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 2,808.71
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 3,370.46
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 4,493.94
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 5,387.24
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 6,312.73
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 7,385.37
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement 9,231.70

02 65 00 00-0098	Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)		
	Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	896.94
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,672.67
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,012.06
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,242.35
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,690.82
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,345.34
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,024.11
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,030.13
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,287.68
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,859.58

02 65 00 00-0109	Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080) Note: Includes disposal fee.		
02 65 00 00-0110	EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		310.79
	For Each Additional Mile >15 Miles, Add		5.19
02 65 00 00-0111	EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		417.03
	For Each Additional Mile >15 Miles, Add		6.55
02 65 00 00-0112	EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		651.37
	For Each Additional Mile >15 Miles, Add		9.83
02 65 00 00-0113	EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		975.12
	For Each Additional Mile >15 Miles, Add		11.47
02 65 00 00-0114	EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		1,720.53
	For Each Additional Mile >15 Miles, Add		20.20
02 65 00 00-0115	EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		1,786.06
	For Each Additional Mile >15 Miles, Add		21.84
02 65 00 00-0116	EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		1,895.27
	For Each Additional Mile >15 Miles, Add		24.57
02 65 00 00-0117	EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		2,722.12
	For Each Additional Mile >15 Miles, Add		32.76
02 65 00 00-0118	EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		3,773.32
	For Each Additional Mile >15 Miles, Add		49.14
02 65 00 00-0119	EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		4,387.67
	For Each Additional Mile >15 Miles, Add		54.60
02 65 00 00-0120	EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		5,409.81
	For Each Additional Mile >15 Miles, Add		65.52
02 65 00 00-0121	EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		7,448.93
	For Each Additional Mile >15 Miles, Add		78.63
02 65 00 00-0122	EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....		8,953.61
	For Each Additional Mile >15 Miles, Add		90.42

02 65 00 00-0123	Other Storage Tank Removals (02 65 00 00-0080)	
	Note: Based on tank gallon size	
02 65 00 00-0124	GAL Removal Of Cement Lining.....	0.69
02 65 00 00-0125	GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.25
02 65 00 00-0126	GAL Install Epoxy For Interior Corrosion Protection	1.20

02 65 00 00-0127	Tank Closure Report (02 65 00 00-0080)		
	Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report.....	3,266.13



Existing Conditions			02
Contaminated Site Material Removal			02 60
Underground Storage Tank Removal			02 65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 65 00 00-0129			Temporary Tanks (02 65)		
02 65 00 00-0130			Temporary Holding Tanks (02 65 00 00-0129)		
02 65 00 00-0131			Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)		
02 65 00 00-0132	MO		550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0133	MO		630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0134	MO		630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,979.69	
02 65 00 00-0135	MO		4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,484.77	
02 65 00 00-0136	MO		4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,464.47	
02 65 00 00-0137	MO		6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,474.62	
02 65 00 00-0138	MO		21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	4,798.87	
02 65 00 00-0139	MO		21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,751.03	
02 65 00 00-0140	MO		21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	9,712.01	
02 65 00 00-0141			Secondary Containment Berm (02 65 00 00-0129)		
02 65 00 00-0142	MO		Secondary Containment Berm Monthly Rental	2,144.67	

02 80 Facility Remediation (02)

02 81 Transportation and Disposal of Hazardous Materials (02 80)

02 81 00 00-0001			Equipment Oil Drain And Disposal (02 81)		
02 81 00 00-0002	TRIP		Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	695.06	
			Note: Excludes Disposal Cost.		
02 81 00 00-0003	DRM		Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	109.22	
			Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0004	DRM		Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	496.48	
			Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0005	DRM		Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum	893.66	
			Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0006	CF		Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site	119.20	
			Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001			Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)		
			Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR		Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	112.60	
02 82 13 00-0003	EA		48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	64.66	
02 82 13 00-0004	EA		Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	75.81	
02 82 13 00-0005	EA		Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	120.41	
02 82 13 00-0006	EA		48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0007	EA		Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	251.97	
02 82 13 00-0008	EA		48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	51.29	
02 82 13 00-0009	EA		Next Day Turnaround, (Air) PCM Test, Asbestos Testing	62.43	
02 82 13 00-0010	EA		Same Day Turnaround, (Air) PCM Test, Asbestos Testing	84.73	
02 82 13 00-0011	EA		48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	64.66	
02 82 13 00-0012	EA		Next Day Turnaround, (Air Point Counting) PLM Test.....	75.81	
02 82 13 00-0013	EA		Same Day Turnaround, (Air Point Counting) PLM Test	120.41	
02 82 13 00-0014	EA		48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0015	EA		Next Day Turnaround, (Air) TEM Test, Asbestos Testing	238.59	
02 82 13 00-0016	EA		Same Day Turnaround, (Air) TEM Test, Asbestos Testing	332.24	

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001			Asbestos Encapsulation (Lock-Down) (02 82 16)		
02 82 16 00-0002	SF		Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.86	
02 82 16 00-0003	SF		Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.52	
02 82 16 00-0004	SF		Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.71	
02 82 16 00-0005	SF		Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.97	
02 82 16 00-0006	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	9.02	
02 82 16 00-0007	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	10.20	

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.).

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0031 for projects with less than 10 LF.	
02 82 33 00-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,404.65
	For Work In Restricted Working Space, Add	416.95
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	48.12
	For Work In Restricted Working Space, Add	14.21
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	36.27
	For Work In Restricted Working Space, Add	10.66
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	27.39
	For Work In Restricted Working Space, Add	8.00
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.73
	For Work In Restricted Working Space, Add	6.00
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.13
	For Work In Restricted Working Space, Add	5.22
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0031 for projects with less than 10 LF.	
02 82 33 00-0011	SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,419.48
	For Work In Restricted Working Space, Add	416.95
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	55.97
	For Work In Restricted Working Space, Add	16.35
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	42.34
	For Work In Restricted Working Space, Add	12.26
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.12
	For Work In Restricted Working Space, Add	9.19
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.46
	For Work In Restricted Working Space, Add	6.89
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	21.47
	For Work In Restricted Working Space, Add	6.00
02 82 33 00-0017	>12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0031 for projects with less than 10 LF.	
02 82 33 00-0018	SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,434.30
	For Work In Restricted Working Space, Add	416.95
02 82 33 00-0019	LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	74.64
	For Work In Restricted Working Space, Add	21.80
02 82 33 00-0020	LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	56.46
	For Work In Restricted Working Space, Add	16.34
02 82 33 00-0021	LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	42.84
	For Work In Restricted Working Space, Add	12.26
02 82 33 00-0022	LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.61
	For Work In Restricted Working Space, Add	9.19
02 82 33 00-0023	LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.63
	For Work In Restricted Working Space, Add	8.00
02 82 33 00-0024	>18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0031 for projects with less than 10 LF.	
02 82 33 00-0025	SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,449.13
	For Work In Restricted Working Space, Add	416.95
02 82 33 00-0026	LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	102.62
	For Work In Restricted Working Space, Add	29.97
02 82 33 00-0027	LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	77.63
	For Work In Restricted Working Space, Add	22.47
02 82 33 00-0028	LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	58.90
	For Work In Restricted Working Space, Add	16.85
02 82 33 00-0029	LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	44.84
	For Work In Restricted Working Space, Add	12.64
02 82 33 00-0030	LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.37
	For Work In Restricted Working Space, Add	11.00
02 82 33 00-0031	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	



Existing Conditions			02
Facility Remediation			02 80
Asbestos Remediation			02 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0032 SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal For Work In Restricted Working Space, Add	905.22 270.23	
02 82 33 00-0033 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	151.61 45.04	
02 82 33 00-0034 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	59.76 17.48	
02 82 33 00-0035 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	45.18 13.11	
02 82 33 00-0036 LF >500 LF Additional Glove Bag Work for Pipe Insulation For Work In Restricted Working Space, Add	34.26 9.83	
02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal (02 82 33 00-0037)		
02 82 33 00-0039 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,397.24	
02 82 33 00-0040 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	57.37	
02 82 33 00-0041 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	47.31	
02 82 33 00-0042 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	37.97	
02 82 33 00-0043 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	30.97	
02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal (02 82 33 00-0037)		
02 82 33 00-0045 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,393.54	
02 82 33 00-0046 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	50.53	
02 82 33 00-0047 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	40.47	
02 82 33 00-0048 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	31.13	
02 82 33 00-0049 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	24.13	
02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal (02 82 33 00-0037)		
02 82 33 00-0051 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,392.30	
02 82 33 00-0052 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	44.85	
02 82 33 00-0053 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	34.79	
02 82 33 00-0054 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	25.44	
02 82 33 00-0055 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	18.44	
02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0037)		
Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0057 SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,399.09	
02 82 33 00-0058 SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	47.75	
02 82 33 00-0059 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	37.68	
02 82 33 00-0060 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	28.35	
02 82 33 00-0061 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	21.36	
02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0063 Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0062)		
Note: Exposed surface area, includes associated overspray. See CSI section 02 82 33 00-0102 for asbestos abatement for up to 1 sf sections to expose area for attachments.		
02 82 33 00-0064 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,399.09	
02 82 33 00-0065 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	57.22	
02 82 33 00-0066 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	42.99	
02 82 33 00-0067 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	32.34	
02 82 33 00-0068 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	24.34	
02 82 33 00-0069 Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0062)		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0070 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,396.01	
02 82 33 00-0071 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	23.99	
02 82 33 00-0072 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	18.20	
02 82 33 00-0073 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.57	
02 82 33 00-0074 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	10.10	
02 82 33 00-0075 Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0076 SET Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,402.19	
For Additional Layer, Add	382.20	
02 82 33 00-0077 SF >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	18.49	
For Additional Layer, Add	5.02	
02 82 33 00-0078 SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	13.57	
For Additional Layer, Add	3.66	
02 82 33 00-0079 SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	10.67	
For Additional Layer, Add	2.87	
02 82 33 00-0080 SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	8.36	
For Additional Layer, Add	2.23	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0081	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	6.62	
		<i>For Additional Layer, Add</i>	1.75	
02 82 33 00-0082	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.34	
		<i>For Additional Layer, Add</i>	1.40	
02 82 33 00-0083 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0062)				
02 82 33 00-0084	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	1,396.01	
02 82 33 00-0085	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	34.88	
02 82 33 00-0086	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	25.61	
02 82 33 00-0087	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	20.05	
02 82 33 00-0088	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	15.66	
02 82 33 00-0089	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	11.25	
02 82 33 00-0090 Stucco, Asbestos Abatement And Disposal (02 82 33 00-0062)				
02 82 33 00-0091	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	1,402.19	
02 82 33 00-0092	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal.....	30.47	
02 82 33 00-0093	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	22.88	
02 82 33 00-0094	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal.....	17.25	
02 82 33 00-0095	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal.....	12.99	
02 82 33 00-0096 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0062)				
02 82 33 00-0097	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	1,402.19	
02 82 33 00-0098	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	15.69	
02 82 33 00-0099	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	12.07	
02 82 33 00-0100	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.94	
02 82 33 00-0101	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.75	
02 82 33 00-0102 Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0062)				
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0063 for areas > 1 SF.				
02 82 33 00-0103	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	232.01	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.				
02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0062)				
02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	1,399.71	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	19.94	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	9.73	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	6.65	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.69	
02 82 33 00-0110 Flooring Material, Asbestos Abatement And Disposal (02 82 33)				
02 82 33 00-0111 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0110)				
02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0111)				
Note: Single layer or first of multiple layers. Excludes mastic.				
02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	1,392.30	
		<i>For Each Additional Layer, Add</i>	208.85	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	9.73	
		<i>For Each Additional Layer, Add</i>	1.46	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	7.95	
		<i>For Each Additional Layer, Add</i>	1.19	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	6.33	
		<i>For Each Additional Layer, Add</i>	0.95	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	4.36	
		<i>For Each Additional Layer, Add</i>	0.65	
02 82 33 00-0118 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0111)				
Note: Single layer or first of multiple layers. Excludes mastic.				
02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	1,392.30	
		<i>For Each Additional Layer, Add</i>	208.85	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	9.73	
		<i>For Each Additional Layer, Add</i>	1.46	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	7.98	
		<i>For Each Additional Layer, Add</i>	1.20	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	7.24	
		<i>For Each Additional Layer, Add</i>	1.09	



Existing Conditions			02
Facility Remediation			02 80
Asbestos Remediation			02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0123 SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	5.84 0.88	
02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0111)		
02 82 33 00-0125 SET Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	1,392.30	
02 82 33 00-0126 SF >100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.63	
02 82 33 00-0127 SF >500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0128 SF >2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.50	
02 82 33 00-0129 SF >10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	3.41	
02 82 33 00-0130 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Up to 12".		
02 82 33 00-0131 SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	466.36	
02 82 33 00-0132 LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	6.29	
02 82 33 00-0133 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.83	
02 82 33 00-0134 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.44	
02 82 33 00-0135 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.75	
02 82 33 00-0136 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0110) Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0137 SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,396.01	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0138 SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	3.52	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0139 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	2.60	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0140 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	2.02	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0141 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.63	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0142 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0110) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0143 SET Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	1,414.54	
02 82 33 00-0144 SF >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	11.20	
02 82 33 00-0145 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	8.24	
02 82 33 00-0146 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.51	
02 82 33 00-0147 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.11	
02 82 33 00-0148 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0149 SET Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,402.18	
02 82 33 00-0150 SF >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	12.51	
02 82 33 00-0151 SF >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	8.23	
02 82 33 00-0152 SF >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	6.49	
02 82 33 00-0153 SF >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.33	
02 82 33 00-0154 Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0155 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0154) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0156 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)		
02 82 33 00-0157 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,420.72	
02 82 33 00-0158 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.13	
02 82 33 00-0159 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.37	
02 82 33 00-0160 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.94	
02 82 33 00-0161 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.52	
02 82 33 00-0162 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.45	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0163	>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)	
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....1,444.19
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....10.61
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....8.55
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....6.99
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....5.35
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal 4.12
02 82 33 00-0170	>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)	
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....1,471.36
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....11.97
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....9.70
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....7.95
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....6.15
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....4.78
02 82 33 00-0177	Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0154)	
02 82 33 00-0178	Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0177)	
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal 1,397.55 Note: Single or first of multiple layers.
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....8.94 Note: Single or first of multiple layers.
		For Each Additional Layer, Add 1.79
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....7.18 Note: Single or first of multiple layers.
		For Each Additional Layer, Add 1.44
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....5.75 Note: Single or first of multiple layers.
		For Each Additional Layer, Add 1.15
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....4.33 Note: Single or first of multiple layers.
		For Each Additional Layer, Add 0.87
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....3.26 Note: Single or first of multiple layers.
		For Each Additional Layer, Add 0.65
02 82 33 00-0185	Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0154)	
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 463.89
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 3.53
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....2.91
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....2.36
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 1.73
02 82 33 00-0191	Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0154)	
02 82 33 00-0192	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 463.89
02 82 33 00-0193	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....10.48
02 82 33 00-0194	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....8.40
02 82 33 00-0195	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....7.01
02 82 33 00-0196	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 5.07
02 82 33 00-0197	Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0198	Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0197)	
		Note: Includes detachment of mounted objects before removal.
02 82 33 00-0199	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 1,402.18 Note: Includes detachment of mounted objects before removal.
02 82 33 00-0200	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 9.60 Note: Includes detachment of mounted objects before removal.
02 82 33 00-0201	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....4.85 Note: Includes detachment of mounted objects before removal.
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 3.91 Note: Includes detachment of mounted objects before removal.
02 82 33 00-0203	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 3.41 Note: Includes detachment of mounted objects before removal.
02 82 33 00-0204	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0197)	



Existing Conditions		02	02
Facility Remediation		02 80	
Asbestos Remediation		02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0205 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1,402.18	
02 82 33 00-0206 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	8.35	
02 82 33 00-0207 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.33	
02 82 33 00-0208 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.49	
02 82 33 00-0209 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.05	
02 82 33 00-0210 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0197)		
02 82 33 00-0211 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	1,173.01	
02 82 33 00-0212 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	48.86	
02 82 33 00-0213 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	37.01	
02 82 33 00-0214 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	28.13	
02 82 33 00-0215 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	21.47	
02 82 33 00-0216 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	16.47	
02 82 33 00-0217 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	16.12	
02 82 33 00-0218 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0197)		
02 82 33 00-0219 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1,410.77	
Note: Single or first of multiple layers.		
02 82 33 00-0220 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	7.52	
Note: Single or first of multiple layers.		
02 82 33 00-0221 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	6.04	
Note: Single or first of multiple layers.		
02 82 33 00-0222 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.85	
Note: Single or first of multiple layers.		
02 82 33 00-0223 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.68	
Note: Single or first of multiple layers.		
02 82 33 00-0224 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.79	
Note: Single or first of multiple layers.		
02 82 33 00-0225 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0226 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0225)		
02 82 33 00-0227 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	941.36	
For Work In Restricted Working Space, Add		277.96
02 82 33 00-0228 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	93.61	
For Work In Restricted Working Space, Add		27.64
02 82 33 00-0229 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	62.90	
For Work In Restricted Working Space, Add		18.43
02 82 33 00-0230 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	47.61	
For Work In Restricted Working Space, Add		13.84
02 82 33 00-0231 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	38.33	
For Work In Restricted Working Space, Add		11.06
02 82 33 00-0232 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	32.80	
For Work In Restricted Working Space, Add		9.40
02 82 33 00-0233 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	29.67	
For Work In Restricted Working Space, Add		8.46
02 82 33 00-0234 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0235 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0236 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	469.94	
02 82 33 00-0237 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	173.45	
02 82 33 00-0238 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	156.77	
02 82 33 00-0239 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0240 SET Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	463.58	
02 82 33 00-0241 LF >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	9.51	
02 82 33 00-0242 LF >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	7.13	
02 82 33 00-0243 LF >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	6.14	
02 82 33 00-0244 LF >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	5.29	
02 82 33 00-0245 LF >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.53	
02 82 33 00-0246 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.92	
02 82 33 00-0247 Grout, Asbestos Abatement And Disposal (02 82 33 00-0234)		
Note: e.g. flue grout.		
02 82 33 00-0248 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	463.47	
02 82 33 00-0249 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	18.26	
02 82 33 00-0250 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	12.58	
02 82 33 00-0251 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	10.78	
02 82 33 00-0252 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	9.26	
02 82 33 00-0253 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	7.98	
02 82 33 00-0254 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	6.84	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0255		Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0234) Note: e.g. rope, web cloth, flat.		
02 82 33 00-0256	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	463.58	
02 82 33 00-0257	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	24.60	
02 82 33 00-0258	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	18.45	
02 82 33 00-0259	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	15.72	
02 82 33 00-0260	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	14.15	
02 82 33 00-0261	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	12.73	
02 82 33 00-0262	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	12.11	
02 82 33 00-0263		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0234) Note: e.g. grid, spline, or glued on.		
02 82 33 00-0264	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal	932.72	
		Note: Including Glue Removal		
02 82 33 00-0265	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	19.81	
		Note: Including Glue Removal		
02 82 33 00-0266	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal	9.60	
		Note: Including Glue Removal		
02 82 33 00-0267	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	6.52	
		Note: Including Glue Removal		
02 82 33 00-0268	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	5.56	
		Note: Including Glue Removal		
02 82 33 00-0269		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0234) Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0270	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	929.87	
02 82 33 00-0271	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	19.81	
02 82 33 00-0272	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	9.60	
02 82 33 00-0273	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.52	
02 82 33 00-0274	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.56	
02 82 33 00-0275		Caulking, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0276		Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0275)		
02 82 33 00-0277	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	463.47	
02 82 33 00-0278	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	13.69	
02 82 33 00-0279	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	9.66	
02 82 33 00-0280	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	7.19	
02 82 33 00-0281	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	5.41	
02 82 33 00-0282	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.29	
02 82 33 00-0283	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.72	
02 82 33 00-0284		Wood Wall Joint Compound, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0285	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	927.16	
02 82 33 00-0286	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	18.30	
02 82 33 00-0287	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	13.38	
02 82 33 00-0288	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	10.48	
02 82 33 00-0289	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	8.17	
02 82 33 00-0290		Chalk Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0291	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	469.45	
02 82 33 00-0292	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	19.75	
02 82 33 00-0293	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	9.54	
02 82 33 00-0294	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	6.46	
02 82 33 00-0295	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.50	
02 82 33 00-0296		Tack Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0297	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	469.45	
02 82 33 00-0298	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	19.75	
02 82 33 00-0299	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	9.54	
02 82 33 00-0300	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	6.46	
02 82 33 00-0301	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.50	
02 82 33 00-0302		Dash Coat Over Wood Walls, Asbestos Abatement And Disposal (02 82 33 00-0234)		
02 82 33 00-0303	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	927.16	



Existing Conditions			02	02
Facility Remediation			02 80	
Asbestos Remediation			02 82	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0304	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal		20.33	
02 82 33 00-0305	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal		15.16	
02 82 33 00-0306	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal		11.39	
02 82 33 00-0307	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal		8.56	
02 82 33 00-0308		HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0234) Note: For adjacent areas.			
02 82 33 00-0309	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area.....		0.84	
02 82 33 00-0310		Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0234)			
02 82 33 00-0311	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal		463.47	
02 82 33 00-0312	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal		18.26	
02 82 33 00-0313	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal		12.58	
02 82 33 00-0314	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal		10.78	
02 82 33 00-0315	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal		9.26	
02 82 33 00-0316	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal.....		7.98	
02 82 33 00-0317		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0234)			
02 82 33 00-0318	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....		955.00	
02 82 33 00-0319	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		90.04	
02 82 33 00-0320	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		62.40	
02 82 33 00-0321	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		48.64	
02 82 33 00-0322	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		40.29	
02 82 33 00-0323	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		35.31	
02 82 33 00-0324	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal		32.48	
02 82 33 00-0325		Bearing Pads, Asbestos Abatement And Disposal (02 82 33 00-0234)			
02 82 33 00-0326	SET	Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal.....		463.89	
02 82 33 00-0327	EA	>10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal		30.76	
02 82 33 00-0328	EA	>20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal		19.75	
02 82 33 00-0329	EA	>35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal		17.72	
02 82 33 00-0330	EA	>50 EA, Bearing Pads, Asbestos Abatement And Disposal		15.93	
02 83		Lead Remediation (02 80) See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.			
02 83 19		Lead-Based Paint Remediation (02 83)			
02 83 19 13		Lead-Based Paint Abatement (02 83 19) Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.			
02 83 19 13-0001		Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)			
02 83 19 13-0002	EA	Minimum Show Up Charge For Lead-Based Paint Remediation		1,372.20	
		Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.			
02 83 19 13-0003		Lead Sampling And Testing (02 83 19 13) Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.			
02 83 19 13-0004	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring		104.58	
02 83 19 13-0005	EA	X-Ray Fluorescence (XRF) Lead Testing		76.86	
		Note: Including Technician, 3 Readings Per Surface And Lab Fee			
02 83 19 13-0006	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee		73.58	
02 83 19 13-0007	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee		111.49	
02 83 19 13-0008	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee		156.09	
02 83 19 13-0009	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee		28.99	
02 83 19 13-0010	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee		44.60	
02 83 19 13-0011	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee		55.74	
02 83 19 13-0012	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee		73.58	
02 83 19 13-0013	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee		111.49	
02 83 19 13-0014	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee		12.26	
02 83 19 13-0015	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee		16.72	
02 83 19 13-0016	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee		24.53	
02 83 19 13-0017	EA	5 Day Turnaround Lead Bulk Samples And Lab Fee		12.26	
02 83 19 13-0018	EA	24 Hour Turnaround Lead Bulk Samples And Lab Fee		16.72	
02 83 19 13-0019	EA	8 Hour Turnaround Lead Bulk Samples And Lab Fee		24.53	
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee		12.26	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0021	EA		24 Hour Turnaround Lead Air Samples And Lab Fee	16.72	
02 83 19 13-0022	EA		8 Hour Turnaround Lead Air Samples And Lab Fee	24.53	
02 83 19 13-0023	EA		5 Day Turnaround Lead Water Test and Lab Fee	44.60	
02 83 19 13-0024	EA		24 Hour Turnaround Lead Water Test and Lab Fee	66.89	
02 83 19 13-0025	EA		8 Hour Turnaround Lead Water Test and Lab Fee	89.19	
02 83 19 13-0026	EA		5 Day Turnaround Lead Paint Chip Test and Lab Fee	46.12	
02 83 19 13-0027	EA		5 Day Turnaround Lead Soil Test and Lab Fee	92.24	
02 83 19 13-0028 Scrape And Sand Lead Paint (02 83 19 13)					
02 83 19 13-0029	SF		Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	1.51	
02 83 19 13-0030	SF		Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	1.57	
02 83 19 13-0031	SF		Hand Scrape Lead Paint From Wood Surfaces	2.07	
02 83 19 13-0032	SF		Hand Scraping And Sanding Lead Paint From Metal Surfaces	2.12	
02 83 19 13-0033 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)					
Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.					
02 83 19 13-0034	SF		Balustrades, Chemical Stripping Of Lead Contaminated Material	39.98	
			For 0.025" (25 mil) Application, Add	2.25	
			For 0.03" (30 mil) Application, Add	3.53	
02 83 19 13-0035	SF		Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	59.35	
			For 0.025" (25 mil) Application, Add	3.22	
			For 0.03" (30 mil) Application, Add	4.98	
02 83 19 13-0036	LF		Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	17.15	
			For 0.025" (25 mil) Application, Add	1.01	
			For 0.03" (30 mil) Application, Add	1.61	
			For 0.125" (125 mil) Application, Add	8.79	
02 83 19 13-0037	LF		>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	35.10	
			For 0.025" (25 mil) Application, Add	1.91	
			For 0.03" (30 mil) Application, Add	2.95	
			For 0.125" (125 mil) Application, Add	13.28	
02 83 19 13-0038	SF		Cornice, Chemical Stripping Of Lead Contaminated Material	18.62	
			For 0.025" (25 mil) Application, Add	1.18	
			For 0.03" (30 mil) Application, Add	1.93	
02 83 19 13-0039	SF		Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	52.89	
			For 0.025" (25 mil) Application, Add	2.89	
			For 0.03" (30 mil) Application, Add	4.50	
02 83 19 13-0040	SF		Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	11.46	
			For 0.025" (25 mil) Application, Add	0.77	
			For 0.03" (30 mil) Application, Add	1.28	
			For 0.125" (125 mil) Application, Add	8.87	
02 83 19 13-0041	SF		Cabinets, Chemical Stripping Of Lead Contaminated Material	33.43	
			For 0.025" (25 mil) Application, Add	1.87	
			For 0.03" (30 mil) Application, Add	2.93	
02 83 19 13-0042	SF		Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	42.63	
			For 0.025" (25 mil) Application, Add	2.33	
			For 0.03" (30 mil) Application, Add	3.62	
02 83 19 13-0043	SF		Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	15.84	
			For 0.025" (25 mil) Application, Add	0.99	
			For 0.03" (30 mil) Application, Add	1.61	
02 83 19 13-0044	SF		Columns, Chemical Stripping Of Lead Contaminated Material	15.20	
			For 0.025" (25 mil) Application, Add	1.01	
			For 0.03" (30 mil) Application, Add	1.67	
			For 0.125" (125 mil) Application, Add	11.30	
02 83 19 13-0045	SF		Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	13.40	
			For 0.025" (25 mil) Application, Add	0.87	
			For 0.03" (30 mil) Application, Add	1.43	
02 83 19 13-0046	SF		Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	16.47	
			For 0.025" (25 mil) Application, Add	1.02	
			For 0.03" (30 mil) Application, Add	1.66	
02 83 19 13-0047	SF		Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	24.30	
			For 0.025" (25 mil) Application, Add	1.47	
			For 0.03" (30 mil) Application, Add	2.35	
02 83 19 13-0048	EA		Electrical Devices, Chemical Stripping Of Lead Contaminated Material	69.58	
			For 0.025" (25 mil) Application, Add	3.88	
			For 0.03" (30 mil) Application, Add	6.07	
02 83 19 13-0049	LF		Door Frames, Chemical Stripping Of Lead Contaminated Material	17.22	
			For 0.025" (25 mil) Application, Add	1.06	
			For 0.03" (30 mil) Application, Add	1.72	
02 83 19 13-0050	SF		Wood Floors, Chemical Stripping Of Lead Contaminated Material	9.42	
			For 0.025" (25 mil) Application, Add	0.67	
			For 0.03" (30 mil) Application, Add	1.13	
02 83 19 13-0051	SF		HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	35.73	
			For 0.025" (25 mil) Application, Add	1.99	
			For 0.03" (30 mil) Application, Add	3.10	
02 83 19 13-0052	SF		HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	42.63	
			For 0.025" (25 mil) Application, Add	2.33	
			For 0.03" (30 mil) Application, Add	3.62	
02 83 19 13-0053	EA		Hinges, Chemical Stripping Of Lead Contaminated Material	22.31	
			For 0.025" (25 mil) Application, Add	1.42	
			For 0.03" (30 mil) Application, Add	2.31	



Existing Conditions			02
Facility Remediation			02 80
Lead Remediation			02 83

02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0054	EA		Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	27.52	
			For 0.025" (25 mil) Application, Add	1.68	
			For 0.03" (30 mil) Application, Add	2.70	
			For 0.125" (125 mil) Application, Add	15.88	
02 83 19 13-0055	LF		Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	7.65	
			For 0.025" (25 mil) Application, Add	0.53	
			For 0.03" (30 mil) Application, Add	0.89	
			For 0.125" (125 mil) Application, Add	6.41	
02 83 19 13-0056	LF		>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	12.32	
			For 0.025" (25 mil) Application, Add	0.77	
			For 0.03" (30 mil) Application, Add	1.24	
			For 0.125" (125 mil) Application, Add	7.58	
02 83 19 13-0057	LF		>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	22.06	
			For 0.025" (25 mil) Application, Add	1.35	
			For 0.03" (30 mil) Application, Add	2.19	
			For 0.125" (125 mil) Application, Add	13.02	
02 83 19 13-0058	LF		>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	30.25	
			For 0.025" (25 mil) Application, Add	1.81	
			For 0.03" (30 mil) Application, Add	2.91	
			For 0.125" (125 mil) Application, Add	16.56	
02 83 19 13-0059	LF		>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	54.28	
			For 0.025" (25 mil) Application, Add	3.16	
			For 0.03" (30 mil) Application, Add	5.03	
			For 0.125" (125 mil) Application, Add	27.07	
02 83 19 13-0060	SF		>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	16.22	
			For 0.025" (25 mil) Application, Add	0.92	
			For 0.03" (30 mil) Application, Add	1.45	
			For 0.125" (125 mil) Application, Add	7.30	
02 83 19 13-0061	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	322.96	
			For 0.025" (25 mil) Application, Add	17.60	
			For 0.03" (30 mil) Application, Add	27.31	
02 83 19 13-0062	SF		Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	22.43	
			For 0.025" (25 mil) Application, Add	1.69	
			For 0.03" (30 mil) Application, Add	2.88	
02 83 19 13-0063	SF		Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	24.57	
			For 0.025" (25 mil) Application, Add	1.79	
			For 0.03" (30 mil) Application, Add	3.04	
02 83 19 13-0064	SF		Siding, Chemical Stripping Of Lead Contaminated Material	12.82	
			For 0.025" (25 mil) Application, Add	0.89	
			For 0.03" (30 mil) Application, Add	1.49	
			For 0.125" (125 mil) Application, Add	10.71	
02 83 19 13-0065	SF		Soffit, Chemical Stripping Of Lead Contaminated Material	27.02	
			For 0.025" (25 mil) Application, Add	1.55	
			For 0.03" (30 mil) Application, Add	2.45	
			For 0.125" (125 mil) Application, Add	12.76	
02 83 19 13-0066	SF		Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	12.38	
			For 0.025" (25 mil) Application, Add	0.82	
			For 0.03" (30 mil) Application, Add	1.35	
			For 0.125" (125 mil) Application, Add	9.10	
02 83 19 13-0067	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	14.08	
			For 0.025" (25 mil) Application, Add	0.90	
			For 0.03" (30 mil) Application, Add	1.48	
			For 0.125" (125 mil) Application, Add	9.52	
02 83 19 13-0068	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	14.04	
			For 0.025" (25 mil) Application, Add	0.90	
			For 0.03" (30 mil) Application, Add	1.48	
			For 0.125" (125 mil) Application, Add	9.51	
02 83 19 13-0069	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material	19.92	
			For 0.025" (25 mil) Application, Add	1.20	
			For 0.03" (30 mil) Application, Add	1.92	
			For 0.125" (125 mil) Application, Add	10.98	
02 83 19 13-0070	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	14.04	
			For 0.025" (25 mil) Application, Add	0.90	
			For 0.03" (30 mil) Application, Add	1.48	
			For 0.125" (125 mil) Application, Add	9.51	
02 83 19 13-0071	SF		Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	32.44	
			For 0.025" (25 mil) Application, Add	1.82	
			For 0.03" (30 mil) Application, Add	2.86	
02 83 19 13-0072	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	35.52	
			For 0.025" (25 mil) Application, Add	1.98	
			For 0.03" (30 mil) Application, Add	3.09	
02 83 19 13-0073	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	37.60	
			For 0.025" (25 mil) Application, Add	2.08	
			For 0.03" (30 mil) Application, Add	3.25	
02 83 19 13-0074	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	39.68	
			For 0.025" (25 mil) Application, Add	2.18	
			For 0.03" (30 mil) Application, Add	3.40	
02 83 19 13-0075	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	41.76	
			For 0.025" (25 mil) Application, Add	2.29	
			For 0.03" (30 mil) Application, Add	3.56	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0076	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	43.92	
		For 0.025" (25 mil) Application, Add	2.40	
		For 0.03" (30 mil) Application, Add	3.72	
02 83 19 13-0077	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	45.94	
		For 0.025" (25 mil) Application, Add	2.50	
		For 0.03" (30 mil) Application, Add	3.87	
02 83 19 13-0078	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	46.98	
		For 0.025" (25 mil) Application, Add	2.55	
		For 0.03" (30 mil) Application, Add	3.95	
02 83 19 13-0079	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	48.05	
		For 0.025" (25 mil) Application, Add	2.60	
		For 0.03" (30 mil) Application, Add	4.03	
02 83 19 13-0080	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	49.05	
		For 0.025" (25 mil) Application, Add	2.65	
		For 0.03" (30 mil) Application, Add	4.10	
02 83 19 13-0081	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	64.76	
		For 0.025" (25 mil) Application, Add	3.64	
		For 0.03" (30 mil) Application, Add	5.71	
		For 0.125" (125 mil) Application, Add	28.19	
02 83 19 13-0082	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	11.21	
		For 0.025" (25 mil) Application, Add	0.71	
		For 0.03" (30 mil) Application, Add	1.16	
		For 0.125" (125 mil) Application, Add	7.30	
02 83 19 13-0083	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	32.89	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	1.94	
		For 0.03" (30 mil) Application, Add	3.10	
		For 0.125" (125 mil) Application, Add	17.22	
02 83 19 13-0084	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	35.98	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	2.05	
		For 0.03" (30 mil) Application, Add	3.23	
		For 0.125" (125 mil) Application, Add	16.50	
02 83 19 13-0085	LF	2" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material.....	3.31	
		For 0.025" (25 mil) Application, Add	0.20	
		For 0.03" (30 mil) Application, Add	0.32	
02 83 19 13-0086	LF	3" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material.....	4.96	
		For 0.025" (25 mil) Application, Add	0.30	
		For 0.03" (30 mil) Application, Add	0.48	
02 83 19 13-0087	LF	4" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material.....	5.74	
		For 0.025" (25 mil) Application, Add	0.34	
		For 0.03" (30 mil) Application, Add	0.54	
02 83 19 13-0088	LF	6" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material.....	6.61	
		For 0.025" (25 mil) Application, Add	0.40	
		For 0.03" (30 mil) Application, Add	0.64	
02 83 19 13-0089	SF	Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	11.46	
		For 0.025" (25 mil) Application, Add	0.77	
		For 0.03" (30 mil) Application, Add	1.28	
02 83 19 13-0090		Demolish Lead Contaminated Material (02 83 19 13) Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0091	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.86	
02 83 19 13-0092	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	8.37	
02 83 19 13-0093	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	6.02	
02 83 19 13-0094	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.71	
02 83 19 13-0095	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.66	
02 83 19 13-0096	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	26.15	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0097	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	18.59	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0098	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	13.95	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0099	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	10.46	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0100	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.66	
02 83 19 13-0101	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	1.06	
02 83 19 13-0102	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.65	
02 83 19 13-0103	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	79.63	
02 83 19 13-0104	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	105.64	
02 83 19 13-0105	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	11.79	
02 83 19 13-0106	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	6.60	
02 83 19 13-0107	SF	Demolish Brick, Lead Contaminated Material	4.97	
02 83 19 13-0108	SF	Demolish Concrete Block, Lead Contaminated Material.....	6.40	
02 83 19 13-0109	SF	Demolish Tile, Lead Contaminated Material	4.82	
02 83 19 13-0110	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	7.25	
02 83 19 13-0111	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.64	
02 83 19 13-0112	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	7.50	



Existing Conditions			02	02
Facility Remediation			02 80	
Lead Remediation			02 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0113 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	8.25	
02 83 19 13-0114 LF Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	2.16	
02 83 19 13-0115 LF Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	2.69	
02 83 19 13-0116 LF Demolish Base Shoe Molding, Lead Contaminated Material.....	1.75	
02 83 19 13-0117 SF Demolish Concrete, Lead Contaminated Material	16.43	
02 83 19 13-0118 LF Demolish Cabinets, Lead Contaminated Material	38.26	
02 83 19 13-0119 SF Demolish Ceilings, Gypsum Board, Lead Contaminated Material	2.17	
02 83 19 13-0120 SF Demolish Up To 12" Diameter Columns, Lead Contaminated Material	21.20	
02 83 19 13-0121 SF Demolish Cornice, Lead Contaminated Material	2.81	
02 83 19 13-0122 EA Demolish Doors, Lead Contaminated Material	83.00	
02 83 19 13-0123 LF Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.52	
02 83 19 13-0124 EA Demolish Electrical Devices, Lead Contaminated Material.....	25.47	
02 83 19 13-0125 LF Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	3.27	
02 83 19 13-0126 LF Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	5.44	
02 83 19 13-0127 SF Demolish Wood Floors, Lead Contaminated Material.....	3.91	
02 83 19 13-0128 SF Demolish Grilles, Lead Contaminated Material.....	4.60	
02 83 19 13-0129 EA Demolish Hinges, Lead Contaminated Material.....	9.26	
02 83 19 13-0130 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	19.90	
02 83 19 13-0131 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	8.16	
02 83 19 13-0132 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	11.90	
02 83 19 13-0133 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	17.98	
02 83 19 13-0134 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	33.17	
02 83 19 13-0135 EA Demolish Radiators, Lead Contaminated Material.....	143.26	
02 83 19 13-0136 EA Demolish Shutters, Lead Contaminated Material.....	55.83	
02 83 19 13-0137 SF Demolish Siding, Lead Contaminated Material	2.22	
02 83 19 13-0138 SF Demolish Soffit, Lead Contaminated Material.....	1.88	
02 83 19 13-0139 SF Demolish Flat Steel Surfaces, Lead Contaminated Material.....	5.16	
02 83 19 13-0140 SF Demolish Steel Beams, Lead Contaminated Material.....	6.08	
02 83 19 13-0141 SF Demolish Trusses, Lead Contaminated Material	7.97	
02 83 19 13-0142 SF Demolish Walls, Wood, Lead Contaminated Material.....	5.89	
02 83 19 13-0143 SF Demolish Windows, Lead Contaminated Material	19.82	
02 83 19 13-0144 SF Demolish Metal Stair, Lead Contaminated Material	9.49	
02 83 19 13-0145 LF Demolish Single Metal Hand Rail, Lead Contaminated Material	6.97	
02 83 19 13-0146 LF Demolish Metal Railing And Posts, Lead Contaminated Material	11.38	
02 83 19 13-0147 SF Demolish Metal Picket Fence, Lead Contaminated Material	3.14	
02 83 19 13-0148 SF Demolish Plywood, Lead Contaminated Material	8.57	
02 83 19 13-0149 SF Demolish Planks (Various Sizes), Lead Contaminated Material	4.18	
02 83 19 13-0150 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	26.15	
02 83 19 13-0151 SF Demolish Ceramic Tile Block, Lead Contaminated Material	5.70	
02 83 19 13-0152 LF Demolish Metal Guard Rails, Lead Contaminated Material	15.68	
02 83 19 13-0153 LF Demolish Roof Metal Trim, Lead Contaminated Material	3.35	
02 83 19 13-0154 LF Demolish Rain Gutters, Lead Contaminated Material.....	5.75	
02 83 19 13-0155 LF Demolish Downspouts, Lead Contaminated Material	4.71	
02 83 19 13-0156 SF Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.81	
02 83 19 13-0157 LF Demolish Roof Metal Flashing, Lead Contaminated Material	3.35	
02 83 19 13-0158 LF Demolish Fascia Board Up To 12", Lead Contaminated Material.....	8.37	
02 83 19 13-0159	Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)	
	Note: Remove loose, flaking lead-based paint to prepare for painting.	
02 83 19 13-0160 SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.99
02 83 19 13-0161	Mechanical Stripping Of Lead Contaminated Material (02 83 19 13)	
	Note: Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring.	
02 83 19 13-0162 SF	Grind Flat Steel Surfaces, Mechanical Stripping Of Lead Contaminated Material	21.91
02 83 19 13-0163	Lead Abatement Encapsulation (02 83 19 13)	
	Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.	
02 83 19 13-0164 SF	Balustrades, Lead Abatement Encapsulation	7.20
02 83 19 13-0165 LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	7.15
02 83 19 13-0166 LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	9.70
02 83 19 13-0167 SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.61
02 83 19 13-0168 SF	Ornate Cabinets, Lead Abatement Encapsulation	10.43
02 83 19 13-0169 SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	8.48
02 83 19 13-0170 SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.88
02 83 19 13-0171 SF	Wood Ceilings, Lead Abatement Encapsulation.....	3.50
02 83 19 13-0172 SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	3.25
02 83 19 13-0173 SF	Columns, Lead Abatement Encapsulation	5.58
02 83 19 13-0174 SF	Doors, Lead Abatement Encapsulation	10.68
02 83 19 13-0175 LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.70
02 83 19 13-0176 SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	3.32
02 83 19 13-0177 SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.77
02 83 19 13-0178 SF	Grilles, Vents, Lead Abatement Encapsulation	7.76
02 83 19 13-0179 LF	Gutters And Downspouts, Lead Abatement Encapsulation	7.20
02 83 19 13-0180 EA	Hangers, Lead Abatement Encapsulation	61.47
02 83 19 13-0181 LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.36
02 83 19 13-0182 LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	6.27

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0183 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	9.70	
02 83 19 13-0184 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	14.33	
02 83 19 13-0185 EA Radiators, Lead Abatement Encapsulation.....	158.05	
02 83 19 13-0186 EA Up To 6' Shutters, Lead Abatement Encapsulation.....	226.83	
02 83 19 13-0187 SF Siding, Lead Abatement Encapsulation.....	3.97	
02 83 19 13-0188 SF Up To 12" Soffit, Lead Abatement Encapsulation.....	5.58	
02 83 19 13-0189 SF Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation.....	4.61	
02 83 19 13-0190 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	6.04	
02 83 19 13-0191 SF Trusses, Lead Abatement Encapsulation.....	6.04	
02 83 19 13-0192 SF Drywall Walls, Lead Abatement Encapsulation.....	2.57	
02 83 19 13-0193 SF Wood Walls, Lead Abatement Encapsulation.....	3.16	
02 83 19 13-0194 EA Window Without Grille, Lead Abatement Encapsulation.....	133.69	
02 83 19 13-0195 EA Window With Grille, Lead Abatement Encapsulation.....	171.98	
02 83 19 13-0196 LF Wood Door Frames And Trim, Lead Abatement Encapsulation.....	4.12	
02 83 19 13-0197 LF Steel Lintels, Lead Abatement Encapsulation.....	4.72	
02 83 19 13-0198 LF Wood Fascia Boards, Lead Abatement Encapsulation.....	12.57	
02 83 19 13-0199 SF Wood Eaves, Lead Abatement Encapsulation.....	12.57	
02 83 19 13-0200 LF Wood Window Sill, Lead Abatement Encapsulation.....	3.78	
02 83 19 13-0201 LF Wood Window Sash, Lead Abatement Encapsulation.....	4.85	
02 83 19 13-0202 LF Wood Window Jamb And Trim, Lead Abatement Encapsulation.....	6.79	
02 83 19 13-0203 LF Wood Doorway Threshold, Lead Abatement Encapsulation.....	4.54	
02 83 19 13-0204 LF Up To 6" Wide, Crown Molding (Simple), Lead Abatement Encapsulation.....	7.15	
02 83 19 13-0205 LF >6" To 12" Wide, Crown Molding (Simple), Lead Abatement Encapsulation.....	9.70	
02 83 19 13-0206 LF Up To 6" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation.....	8.88	
02 83 19 13-0207 LF >6" To 12" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation.....	12.00	
02 83 19 13-0208 Removal By Heat Gun Of Lead Contaminated Material (02 83 19 13)		
Note: Remove of multi-layers of paint down to substrate		
02 83 19 13-0209 SF Scrape And Removal Per Layer Of Multi-layers Of Paint With Heat Gun.....	7.74	
02 83 33 Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.33	
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.33	
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.65	
02 84 Polychlorinated Biphenyl Remediation (02 80)		
02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury (02 84)		
02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)		
Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	11.02	
02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)		
Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.39	
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.32	
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	10.21	
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	21.37	
02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)		
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.18	
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	8.51	
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	26.25	
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	50.96	
02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)		
02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)		
Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB).....	3,524.56	
Note: Includes disposal costs.		
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB).....	5,513.59	
Note: Includes disposal costs.		



Existing Conditions		02	02
Facility Remediation		02 80	
Polychlorinated Biphenyl Remediation		02 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB).....	1,575.10	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	6,577.85	
Note: Includes disposal costs.		
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,750.04	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	10,335.95	
Note: Includes disposal costs.		

02 86 Hazardous Waste Drum Handling (02 80)

02 86 00 00-0001	Hazardous Waste Packaging (02 86)	
02 86 00 00-0002	Overpacks (02 86 00 00-0001)	
02 86 00 00-0003	Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)	
02 86 00 00-0004 EA	110 Gallon, 30" Diameter X 41" High.....	470.37
02 86 00 00-0005 EA	85 Gallon, 26" Diameter X 38" High.....	267.75
02 86 00 00-0006 EA	83 Gallon, 26" Diameter X 36" High.....	258.42
02 86 00 00-0007 EA	55 Gallon, DOT 17C, 18" Diameter X 34" High.....	161.68
02 86 00 00-0008 EA	30 Gallon, DOT 17C, 18" Diameter X 28" High.....	127.36
02 86 00 00-0009 EA	22 Gallon, 16" Diameter X 25" High.....	85.81
02 86 00 00-0010 EA	15 Gallon, DOT 17C, 14" Diameter X 24" High.....	77.58
02 86 00 00-0011 EA	10 Gallon, 13.8" Diameter X 15" High.....	68.36
02 86 00 00-0012	Polyethylene Overpacks (02 86 00 00-0002)	
02 86 00 00-0013 EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High.....	531.30
02 86 00 00-0014 EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High.....	98.19
02 86 00 00-0015 EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	480.76
02 86 00 00-0016	Composite Overpacks (02 86 00 00-0002)	
02 86 00 00-0017 EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	260.89
02 86 00 00-0018 EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	358.01
02 86 00 00-0019 EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	485.60
02 86 00 00-0020	DOT E-9168 Exempt Packaging (02 86 00 00-0002)	
02 86 00 00-0021 EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.65
02 86 00 00-0022 EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.38
02 86 00 00-0023 EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.21
02 86 00 00-0024 EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.36
02 86 00 00-0025 EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	13.98
02 86 00 00-0026 EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	8.16
02 86 00 00-0027 EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	10.61
02 86 00 00-0028	Steel Drums (02 86 00 00-0001)	
02 86 00 00-0029	UN Rated Steel Drums (02 86 00 00-0028)	
02 86 00 00-0030 EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	136.51
02 86 00 00-0031 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58
02 86 00 00-0032 EA	55 Gallon Reconditioned Steel 17h Drum (50+)	85.69
02 86 00 00-0033 EA	8 Gallon, 17C, Open, Steel Drum	87.60
02 86 00 00-0034 EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00
02 86 00 00-0035 EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15
02 86 00 00-0036 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52
02 86 00 00-0037 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62
02 86 00 00-0038 EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	129.02
02 86 00 00-0039 EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	104.62
02 86 00 00-0040 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86
02 86 00 00-0041 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59
02 86 00 00-0042 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	1,445.85
02 86 00 00-0043 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93
02 86 00 00-0044 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91
02 86 00 00-0045 EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	82.45
02 86 00 00-0046 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	927.98
02 86 00 00-0047 EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum.....	95.57
02 86 00 00-0048 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,508.72
02 86 00 00-0049 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06
02 86 00 00-0050 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	1,278.22
02 86 00 00-0051 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	853.14
02 86 00 00-0052 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80
02 86 00 00-0053 EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	81.24
02 86 00 00-0054 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+).....	1,212.36
02 86 00 00-0055 EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	125.68
02 86 00 00-0056 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21
02 86 00 00-0057 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85
02 86 00 00-0058 EA	30 Gallon, 17E, Open, Steel Drum	58.94
02 86 00 00-0059 EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	111.40
02 86 00 00-0060 EA	20 Gallon, 17C, Open, Steel Drum	82.83

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	1,302.17	
02 86 00 00-0062	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9).....	1,559.61	
02 86 00 00-0063	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9).....	1,140.52	
02 86 00 00-0064	EA	55 Gallon Reconditioned Steel 17h Drum (25-49).....	97.12	
02 86 00 00-0065	EA	20 Gallon, 17E, Open, Steel Drum	55.75	
02 86 00 00-0066	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0067		Plastic Drums (02 86 00 00-0067)		
02 86 00 00-0068		Polyethylene Closed Head Drums (02 86 00 00-0067)		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums.....	85.70	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums.....	65.79	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums.....	59.73	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums.....	41.73	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums.....	40.94	
02 86 00 00-0074		Polyethylene Open Head Drums (02 86 00 00-0067)		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums.....	108.31	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	79.64	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	75.66	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	55.75	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	47.79	
02 86 00 00-0080		Fiber Drums (02 86 00 00-0081)		
02 86 00 00-0081		Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9).....	65.63	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24).....	61.48	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49).....	56.07	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+).....	55.43	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9).....	67.54	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24).....	63.71	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49).....	58.94	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99).....	57.02	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+).....	49.38	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	42.05	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.87	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.52	
02 86 00 00-0094		Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095	EA	Load Drums On Disposal Truck.....	12.56	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,313.26	
02 86 00 00-0097		Transport Drums To Landfill (02 86 00 00-0001)		
		Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA	Transport Drum To Landfill	104.90	
		Note: Includes transportation for up to 25 miles.		
02 87 Bio-Hazard Material Remediation (02 80)				
02 87 13 Mold Remediation (02 87)				
		Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.		
02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)				
02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
		Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
		Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
		Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	933.95	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	36.20	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	27.24	



Existing Conditions		02
Facility Remediation		02 80
Bio-Hazard Material Remediation		02 87

02

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	20.52	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.48	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.51	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	956.19	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	42.68	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.38	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.66	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.86	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.60	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	945.07	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	20.96	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.81	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.95	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	9.24	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal (02 87 13 33) Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	938.90	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	20.84	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	15.69	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	11.83	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.95	
02 87 13 33-0031		Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	938.90	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	20.84	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	15.69	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	11.83	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.95	
02 87 13 33-0037		Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	951.25	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.91	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.46	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	4.31	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.14	
02 87 13 33-0043		Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	945.07	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	28.75	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	21.68	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	16.35	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal.....	12.36	
02 87 13 33-0049		Flooring, Mold Abatement And Disposal (02 87 13 33) Note: Includes cove base.		
02 87 13 33-0050		Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	951.25	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.87	
For Each Additional Layer, Add			1.72	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.82	
For Each Additional Layer, Add			0.96	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	2.18	
For Each Additional Layer, Add			0.55	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.68	
For Each Additional Layer, Add			0.42	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0057		Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	951.25	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.70	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.56	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.36	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.80	
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	951.25	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	6.42	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.67	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.68	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.82	
		Note: Includes tack strips.		
02 87 13 33-0070		Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	945.07	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.92	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	5.04	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	3.01	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.90	
02 87 13 33-0076		Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)		
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	951.25	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	6.85	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	4.79	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.77	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.10	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	951.25	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	8.52	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.90	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.96	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.56	
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090		Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	956.19	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	33.52	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	22.85	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	17.50	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	14.30	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.48	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.77	
02 87 13 33-0098		Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099		Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
		Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	475.62	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.86	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.85	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.22	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.68	
02 87 13 33-0105		Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
		Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	951.25	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	11.83	



Existing Conditions			02
Facility Remediation			02 80
Bio-Hazard Material Remediation			02 87

02

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.52	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.96	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.90	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.82	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.34	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.90	
02 87 13 33-0114 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)				
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	232.05	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.66	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.33	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.52	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.87	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.51	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.31	
02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)				
02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	25.75	
		For >25 To 50, Deduct	-2.57	
		For >50 To 200, Deduct	-6.44	
		For >200, Deduct	-10.30	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	30.29	
		For >25 To 50, Deduct	-3.03	
		For >50 To 200, Deduct	-7.57	
		For >200, Deduct	-12.11	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	34.45	
		For >25 To 50, Deduct	-3.44	
		For >50 To 200, Deduct	-8.61	
		For >200, Deduct	-13.78	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	28.09	
		For >25 To 50, Deduct	-2.81	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	35.65	
		For >25 To 50, Deduct	-3.56	
		For >50 To 200, Deduct	-8.91	
		For >200, Deduct	-14.26	
02 87 13 33-0128 Cabinets (02 87 13 33-0098)				
02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	989.71	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	104.60	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	76.44	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	945.24	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	88.90	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	60.74	
02 87 16 Excrement Removal (02 87)				
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.				
02 87 16 13 Bird Excrement Removal (02 87 16)				
02 87 16 13-0001 Bird Waste Removal (02 87 16 13)				
Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.				
02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	926.54	
		For Work In Restricted Working Space, Add	277.96	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	15.44	
		For Work In Restricted Working Space, Add	4.63	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	14.04	
		For Work In Restricted Working Space, Add	4.21	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	12.76	
		For Work In Restricted Working Space, Add	3.83	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	11.60	
		For Work In Restricted Working Space, Add	3.48	
02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)				
02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control (02 87 19)				
02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)				
Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.				
02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	722.86	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	686.55	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	541.29	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	626.02	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,225.22	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	247.28	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	331.16	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	355.37	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	204.92	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,467.32	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	204.92	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,104.17	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003).....	14.82	
		Note: To seal panels to existing walls		
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	338.72	
02 87 19 00-0017		Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001) Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.58	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.76	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.03	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.69	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.87	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.14	
02 87 19 00-0024		Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001) Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.88	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.88	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.22	
02 87 19 00-0028		Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001) Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	6.37	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.85	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.54	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.19	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.70	
02 87 19 00-0034		Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001) Note: Includes support frame of 2x4s or PVC piping (ground SF) to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	24.30	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	2.91	
02 87 19 00-0037		Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001) Note: Excludes gloves.		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	21.38	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	25.22	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	35.46	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,553.16	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	557.03	
		Note: For installation in glove iris port.		
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	890.77	
		Note: For installation in glove iris port.		
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	157.73	
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045		Temporary Portable And Mobile Trailers (02 87 19)		
02 87 19 00-0046		Trailer Delivery (02 87 19 00-0045)		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,309.97	



Existing Conditions		02	02
Facility Remediation		02 80	
Bio-Hazard Material Remediation		02 87	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0048		Portable And Mobile Trailers, Purchase (02 87 19 00-0045) Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	13,744.19 136.70	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	19,416.89 136.70	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	27,705.59 136.70	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	34,621.81 136.70	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	39,361.98 136.70	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	41,379.80 136.70	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase..... For Tie-Downs, Add	46,043.26 136.70	
02 87 19 00-0056		Accessories For Portable And Mobile Trailers (02 87 19 00-0045)		
02 87 19 00-0057		Skirting (02 87 19 00-0056) Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt.....	5.46	1.97
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt.....	7.95	3.24
02 87 19 00-0060		Aluminum Modular Access Ramp (02 87 19 00-0056) Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	4,007.88	37.67
02 87 19 00-0062		Aluminum Modular Stairs (02 87 19 00-0056) Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers.....	1,106.42	
02 87 19 00-0064		Decontamination Chambers For Bio-Hazard And Infectious Disease Control (02 87 19) Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	1,040.03	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	1,225.15	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control..... Note: Includes connection to negative air system.	629.39	
02 87 19 00-0068		Bio-Hazard And Infectious Disease Control Cleaning, Level 2 (02 87 19) Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		Bio-Hazard And Infectious Disease Control Cleaning Mobilization (02 87 19 00-0068)		
02 87 19 00-0070	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control	381.99	
02 87 19 00-0071		Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0068) Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	28.31	
		For >25 To 50, Deduct	-2.83	
		For >50 To 200, Deduct	-5.66	
		For >200, Deduct	-8.49	
		For Cleaning Surfaces With Goldshield® GS5, Add	15.37	
		For Level 1 Biohazard Cleaning, Deduct	-5.66	
		For Level 3 Biohazard Cleaning, Add	9.34	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	33.31	
		For >25 To 50, Deduct	-3.33	
		For >50 To 200, Deduct	-6.66	
		For >200, Deduct	-9.99	
		For Cleaning Surfaces With Goldshield® GS5, Add	15.37	
		For Level 1 Biohazard Cleaning, Deduct	-6.66	
		For Level 3 Biohazard Cleaning, Add	10.99	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0074 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.88	
For >25 To 50, Deduct	-3.79	
For >50 To 200, Deduct	-7.57	
For >200, Deduct	-11.36	
For Cleaning Surfaces With Goldshield® GS5, Add	15.37	
For Level 1 Biohazard Cleaning, Deduct	-7.57	
For Level 3 Biohazard Cleaning, Add	12.49	
02 87 19 00-0075 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	30.88	
For Cleaning Surfaces With Goldshield® GS5, Add	15.37	
For >5 To 10, Deduct	-1.54	
For >10 To 50, Deduct	-3.09	
For >50, Deduct	-6.17	
For Level 1 Biohazard Cleaning, Deduct	-6.17	
For Level 3 Biohazard Cleaning, Add	10.18	
02 87 19 00-0076 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	39.20	
For >25 To 50, Deduct	-3.92	
For >50 To 200, Deduct	-7.84	
For >200, Deduct	-11.75	
For Cleaning Surfaces With Goldshield® GS5, Add	15.37	
For Level 1 Biohazard Cleaning, Deduct	-7.84	
For Level 3 Biohazard Cleaning, Add	12.93	
02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials (02 87 19 00-0068)		
Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078 EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	73.19	
For Level 1 Biohazard Cleaning, Deduct	-14.63	
For Level 3 Biohazard Cleaning, Add	24.15	
For Cleaning Surfaces With Goldshield® GS5, Add	7.69	
02 87 19 00-0079 EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	33.58	
For Level 1 Biohazard Cleaning, Deduct	-6.71	
For Level 3 Biohazard Cleaning, Add	11.07	
For Cleaning Surfaces With Goldshield® GS5, Add	5.12	
02 87 19 00-0080 EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	117.90	
For Level 1 Biohazard Cleaning, Deduct	-23.58	
For Level 3 Biohazard Cleaning, Add	38.90	
For Cleaning Surfaces With Goldshield® GS5, Add	7.69	
02 87 19 00-0081 EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	7.27	
For Level 1 Biohazard Cleaning, Deduct	-1.45	
For Level 3 Biohazard Cleaning, Add	2.39	
For Cleaning Surfaces With Goldshield® GS5, Add	1.54	
02 87 19 00-0082 EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	108.69	
Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
For Level 1 Biohazard Cleaning, Deduct	-21.73	
For Level 3 Biohazard Cleaning, Add	35.86	
For Cleaning Surfaces With Goldshield® GS5, Add	7.69	
02 87 19 00-0083 EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	11.61	
For Level 1 Biohazard Cleaning, Deduct	-2.32	
For Level 3 Biohazard Cleaning, Add	3.82	
For Cleaning Surfaces With Goldshield® GS5, Add	1.54	
02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0068)		
02 87 19 00-0085 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.28	
For Level 1 Biohazard Cleaning, Deduct	-0.85	
For Level 3 Biohazard Cleaning, Add	1.40	
02 87 19 00-0086 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.36	
For Level 1 Biohazard Cleaning, Deduct	-1.06	
For Level 3 Biohazard Cleaning, Add	1.75	
02 87 19 00-0087 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.21	
For Level 1 Biohazard Cleaning, Deduct	-1.42	
For Level 3 Biohazard Cleaning, Add	2.34	
02 87 19 00-0088 LF >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	10.20	
For Level 1 Biohazard Cleaning, Deduct	-1.99	
For Level 3 Biohazard Cleaning, Add	3.28	
02 87 19 00-0089 EA Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	191.01	
For Level 1 Biohazard Cleaning, Deduct	-38.20	
For Level 3 Biohazard Cleaning, Add	63.03	
02 87 19 00-0090 SF Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	13.29	
For Level 1 Biohazard Cleaning, Deduct	-2.65	
For Level 3 Biohazard Cleaning, Add	4.38	
02 87 19 00-0091 EA Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	127.35	
For Level 1 Biohazard Cleaning, Deduct	-25.47	
For Level 3 Biohazard Cleaning, Add	42.02	
02 87 19 00-0092 EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	382.01	
For Level 1 Biohazard Cleaning, Deduct	-76.40	
For Level 3 Biohazard Cleaning, Add	126.06	



Existing Conditions		02
Facility Remediation		02 80
Bio-Hazard Material Remediation		02 87

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0093 EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning 31.86 Note: Includes removal and reinstallation. For Level 1 Biohazard Cleaning, Deduct For Level 3 Biohazard Cleaning, Add	-6.37 10.51	
02 87 19 00-0094 SF Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....0.58 For Level 1 Biohazard Cleaning, Deduct For Level 3 Biohazard Cleaning, Add	-0.10 0.17	
02 87 19 00-0095 SF Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....0.66 For Level 1 Biohazard Cleaning, Deduct For Level 3 Biohazard Cleaning, Add	-0.10 0.17	
02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097 DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup.....107.68		
02 87 19 00-0098 WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup.....458.62		
02 87 19 00-0099 MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup.....1,284.14		
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup.....164.76		
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup.....453.10		
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup.....1,235.73		
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup 35.65		
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup 98.05		
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup 267.40		
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup.....102.65		
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup.....421.59		
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup.....1,273.94		
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup.....131.60 Note: Required if over 800 hours operation.		
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 351.06		
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 702.11		
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,404.23		
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 468.08		
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 936.15		
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,872.30		
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,034.55		
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 2,069.11		
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 4,138.22		
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,379.41		
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 2,758.81		
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 5,517.62		
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,724.26		
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 3,448.51		
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 6,897.03		
02 87 19 00-0125 EA Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 116.66 Note: Includes staking down tent.		
02 87 19 00-0126 EA Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 233.32 Note: Includes staking down tent.		
02 87 19 00-0127 EA Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 699.96 Note: Includes staking down tent.		
02 87 19 00-0128 EA Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup 1,399.92 Note: Includes staking down tent.		
02 87 19 00-0129 EA Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup.....2,333.19 Note: Includes staking down tent.		
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup 76.76		
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup 211.10		
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup 575.73		
02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19) Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup.....113.37 Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	1.42	
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup 165.59 Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.07	
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup 171.18 Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.14	
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup 181.14 Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.26	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0138		Bio-Hazard And Infectious Disease Control Disposal (02 87 19)		
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	40.02	
02 87 19 00-0140		BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19)		
		Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	47,586.20	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,574.62	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,569.16	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	7.03	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,077.59	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	34,028.07	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,186.07	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5)	53,559.62	
		Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	321.49	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	98.40	
02 87 19 00-0151		Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)		
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)		
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	124.81	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	136.59	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	104.85	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	126.00	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	138.60	
02 87 19 00-0158		Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)		
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.80	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	19.08	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.37	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	132.79	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	41.24	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	405.13	
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	55.38	
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	100.61	
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	21.39	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.27	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	2,707.95	
		Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (AfI), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		
02 87 19 00-0170		Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)		
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0039 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	9.20	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.45	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	90.16	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup	368.99	
		Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.44	



Existing Conditions		02	02
Facility Remediation		02 80	
Bio-Hazard Material Remediation		02 87	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0176 EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.91	
02 87 19 00-0177 ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.73	
02 87 19 00-0178 EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup.....	80.62	
02 87 19 00-0179 ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup.....	47.30	
02 87 19 00-0180 LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.89	
02 87 19 00-0181 EA Wyp-A-alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup.....	18.46	
02 87 19 00-0182 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup.....	145.60	

02 89 Hazmat Ancillary Tasks and Support (02 89)

02 89 00 00-0001 Barriers And Protection (02 89)

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)

See CSI section 01 56 16 00-0039 for temporary stud walls.

02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)

02 89 00 00-0004 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.56
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.74
02 89 00 00-0006 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.99
02 89 00 00-0007 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.69
02 89 00 00-0008 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.87
02 89 00 00-0009 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.12
02 89 00 00-0010 EA Up To 36 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	141.64
02 89 00 00-0011 EA >36 To 72 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	275.15
02 89 00 00-0012 EA >72 To 144 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction.....	538.99
02 89 00 00-0013 LF Caulk Seams With Latex, Hazmat Containment Construction.....	5.04
02 89 00 00-0014 SF 2 Layers 6 Mil Poly, Protect Carpeted Area, Hazmat Containment Construction	2.17

02 89 00 00-0015 Cleaning Surfaces (02 89 00 00-0001)

Note: Other surfaces outside contamination area but not contaminated by, or part of removal.

02 89 00 00-0016 SF Up To 100 SF, Clean Non-Asbestos Surface	2.28
02 89 00 00-0017 SF >100 To 500 SF, Clean Non-Asbestos Surface	1.60
02 89 00 00-0018 SF >500 To 1,000 SF, Clean Non-Asbestos Surface.....	1.05
02 89 00 00-0019 SF >1,000 SF, Clean Non-Asbestos Surface	0.82

02 89 00 00-0020 Decontamination Chambers (02 89)

Note: Includes cleaning of contaminated materials, removal after use and disposal of plastic barriers. See CSI section 02 89 00 00-0001 for plastic barrier sheets.

02 89 00 00-0021 EA 3 Stage Portable Personnel Decontamination Wash Facility	1,034.99
Note: Includes connection to negative air system.	
02 89 00 00-0022 EA 5 Stage Portable Personnel Decontamination Wash Facility	1,219.09
Note: Includes connection to negative air system.	
02 89 00 00-0023 EA Portable Waste Decontamination Unit	625.36
Note: Includes connection to negative air system.	

For Dismantling And Relocation To A Different Area, Add

388.94

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Cleanup (02 90)

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)

Note: For materials not requiring mold abatement.

02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up	30.79
02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up.....	7.49
02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up.....	0.62
02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up.....	0.75
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up.....	0.73
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.14

02 90 50 00-0008 Cleaning (02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)

02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up.....	28.68
For Medium Clean, Add	
For Heavy Clean, Add	
	12.05
	37.28
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.60
For Medium Clean, Add	
For Heavy Clean, Add	
	0.67
	2.08
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up	2.87
For Medium Clean, Add	
For Heavy Clean, Add	
	1.21
	3.73

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Cleanup**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.28	
		For Medium Clean, Add	3.48	
		For Heavy Clean, Add	10.76	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.77	
		For Medium Clean, Add	11.24	
		For Heavy Clean, Add	34.80	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	165.05	
		For Medium Clean, Add	69.32	
		For Heavy Clean, Add	214.57	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.77	
		For Medium Clean, Add	14.18	
		For Heavy Clean, Add	43.90	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.86	
		For Medium Clean, Add	13.38	
		For Heavy Clean, Add	41.42	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.99	
		For Medium Clean, Add	2.94	
		For Heavy Clean, Add	9.09	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.93	
		For Medium Clean, Add	3.75	
		For Heavy Clean, Add	11.61	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.33	
		For Medium Clean, Add	3.08	
		For Heavy Clean, Add	9.53	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.34	
		For Medium Clean, Add	6.02	
		For Heavy Clean, Add	18.64	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.33	
		For Medium Clean, Add	3.08	
		For Heavy Clean, Add	9.53	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.74	
		For Medium Clean, Add	5.35	
		For Heavy Clean, Add	16.56	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.06	
		For Medium Clean, Add	1.29	
		For Heavy Clean, Add	3.98	
02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)				
02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.42	
		For Medium Clean, Add	0.18	
		For Heavy Clean, Add	0.55	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.42	
		For Medium Clean, Add	2.28	
		For Heavy Clean, Add	7.05	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.14	
		For Medium Clean, Add	2.58	
		For Heavy Clean, Add	7.98	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	0.18	
		For Heavy Clean, Add	0.56	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	0.13	
		For Heavy Clean, Add	0.42	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.94	
		For Medium Clean, Add	0.39	
		For Heavy Clean, Add	1.22	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	0.35	
		For Heavy Clean, Add	1.08	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	0.19	
		For Heavy Clean, Add	0.59	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	0.16	
		For Heavy Clean, Add	0.48	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	0.16	
		For Heavy Clean, Add	0.49	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	0.12	
		For Heavy Clean, Add	0.38	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	0.13	
		For Heavy Clean, Add	0.42	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	0.11	
		For Heavy Clean, Add	0.35	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.20	
		For Medium Clean, Add	0.08	
		For Heavy Clean, Add	0.26	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	0.11	
		For Heavy Clean, Add	0.35	



Existing Conditions		02
Disaster Recovery		02 90
Cleaning and Disaster Cleanup		02 90 50

02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... Note: Includes removal from site, cleaning, and return. For Medium Clean, Add For Heavy Clean, Add	67.21 28.23 87.37	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... Note: Includes removal from site, cleaning, and return. For Medium Clean, Add For Heavy Clean, Add	84.01 35.28 109.21	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... Note: Includes removal from site, cleaning, and return. For Medium Clean, Add For Heavy Clean, Add	100.80 42.34 131.04	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	117.61 49.40 152.89	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)				
02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	0.73 0.31 0.95	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	1.49 0.63 1.94	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	1.72 0.72 2.24	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	1.57 0.66 2.04	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	1.80 0.76 2.34	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	1.92 0.81 2.50	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	2.21 0.93 2.87	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)				
02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	13.20 5.54 17.16	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	31.11 13.07 40.44	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	26.88 11.29 34.94	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)				
02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	19.12 8.03 24.86	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	19.31 8.11 25.10	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	8.86 3.72 11.52	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)				
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	5.71 2.40 7.42	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	15.94 6.69 20.72	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	61.18 25.70 79.53	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	5.73 2.41 7.45	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up For Medium Clean, Add For Heavy Clean, Add	39.72 16.68 51.64	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up..... For Medium Clean, Add For Heavy Clean, Add	35.37 14.86 45.98	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Cleanup**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0068		Clean Electrical (02 90 50 00-0008)		
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up.....	23.58	
		For Medium Clean, Add.....	9.90	
		For Heavy Clean, Add.....	30.65	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up.....	25.49	
		For Medium Clean, Add.....	10.71	
		For Heavy Clean, Add.....	33.14	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	33.14	
		For Medium Clean, Add.....	13.92	
		For Heavy Clean, Add.....	43.08	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	23.26	
		For Medium Clean, Add.....	9.77	
		For Heavy Clean, Add.....	30.24	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	15.30	
		For Medium Clean, Add.....	6.43	
		For Heavy Clean, Add.....	19.89	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up.....	7.01	
		For Medium Clean, Add.....	2.94	
		For Heavy Clean, Add.....	9.11	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up.....	5.42	
		For Medium Clean, Add.....	2.28	
		For Heavy Clean, Add.....	7.05	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up.....	1.91	
		For Medium Clean, Add.....	0.80	
		For Heavy Clean, Add.....	2.48	
02 90 50 00-0077		Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
02 90 50 00-0079		Contents Manipulation (02 90 50)		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up.....	0.31	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up.....	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up.....	155.80	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up.....	206.62	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	148.22	
02 90 50 00-0086		Water Disaster Clean-up (02 90 50)		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up.....	0.69	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up.....	1.23	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up.....	4.52	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up.....	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up.....	0.76	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up.....	1.20	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up.....	0.37	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up.....	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up.....	0.67	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up.....	0.98	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up.....	0.93	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up.....	1.35	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up.....	3.51	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up.....	1.72	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up.....	2.53	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up.....	0.28	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up.....	0.28	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up.....	0.49	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up.....	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up.....	0.36	
02 90 50 00-0107		Board Up And Tarp Up (02 90 50)		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up.....	0.25	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up.....	1.42	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up.....	1.64	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up.....	1.78	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	1.80	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.02	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.16	
02 90 50 00-0115		Minimum Charge For Disaster Cleanup (02 90 50)		
02 90 50 00-0116	EA	Minimum Charge For Disaster Cleaning.....	1,484.45	
02 90 50 00-0117	EA	Minimum Charge For Disaster Water Extraction.....	286.15	
02 90 50 00-0118	EA	Minimum Charge For Disaster Carpet Cleaning.....	200.60	



Existing Conditions		02
Disaster Recovery		02 90
Cleaning and Disaster Cleanup		02 90 50

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0119 Document Restoration (02 90 50)		
02 90 50 00-0120 EA Book Rebinding, Each For Document Restoration	103.60	
02 90 50 00-0121 EA Book Recasing, Each For Document Restoration	51.79	
02 90 50 00-0122 EA Boxes-MCS, 1.2 CF For Document Restoration	9.65	
02 90 50 00-0123 EA Boxes-MCS, 2.0 CF For Document Restoration	10.64	
02 90 50 00-0124 EA Boxes Bankers For Document Restoration	16.55	
02 90 50 00-0125 EA Boxes Standard Packout For Document Restoration	6.18	
02 90 50 00-0126 EA Boxes X Ray For Document Restoration	10.36	
02 90 50 00-0127 EA CD Scanning and Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0128 EA Cleaning Antique Books, Each For Document Restoration	310.77	
02 90 50 00-0129 EA Cleaning Catheter Roll, Per Roll For Document Restoration	41.42	
02 90 50 00-0130 EA Cleaning CD And DVD, Per Disc For Document Restoration	4.16	
02 90 50 00-0131 EA Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.31	
02 90 50 00-0132 CF Cleaning Level 1 - Document Per CF For Document Restoration	133.69	
02 90 50 00-0133 EA Cleaning Level 1 - Linen, Each For Document Restoration	4.31	
02 90 50 00-0134 EA Cleaning Level 1 - Mylar, Each For Document Restoration	4.31	
02 90 50 00-0135 EA Cleaning Level 2 - Blue Print, Each For Document Restoration	5.36	
02 90 50 00-0136 CF Cleaning Level 2 - Document Per CF For Document Restoration	200.35	
02 90 50 00-0137 EA Cleaning Level 2 - Linen, Each For Document Restoration	5.36	
02 90 50 00-0138 EA Cleaning Level 2 - Mylar, Each For Document Restoration	5.36	
02 90 50 00-0139 EA Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.60	
02 90 50 00-0140 CF Cleaning Level 3 - Document Per CF For Document Restoration	267.33	
02 90 50 00-0141 EA Cleaning Level 3 - Linen, Each For Document Restoration	7.60	
02 90 50 00-0142 EA Cleaning Level 3 - Mylar, Each For Document Restoration	7.60	
02 90 50 00-0143 EA Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.66	
02 90 50 00-0144 EA Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.66	
02 90 50 00-0145 EA Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.66	
02 90 50 00-0146 CF Cleaning Level 4 - Light Fire-Documnet Per CF For Document Restoration	334.10	
02 90 50 00-0147 EA Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.81	
02 90 50 00-0148 CF Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration	501.30	
02 90 50 00-0149 EA Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.81	
02 90 50 00-0150 EA Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.81	
02 90 50 00-0151 EA Cleaning Microfiche Sheets, Each For Document Restoration	4.19	
02 90 50 00-0152 EA Cleaning Microfiche Strips, Each For Document Restoration	0.97	
02 90 50 00-0153 EA Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	103.60	
02 90 50 00-0154 EA Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	145.04	
02 90 50 00-0155 EA Cleaning Photographs Negatives, Per Negative For Document Restoration	4.19	
02 90 50 00-0156 EA Cleaning Photographs, Each For Document Restoration	0.97	
02 90 50 00-0157 EA Cleaning Record Albums, Each For Document Restoration	4.16	
02 90 50 00-0158 EA Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.36	
02 90 50 00-0159 EA Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	41.42	
02 90 50 00-0160 EA Cleaning X Ray 1-1000, Per Film For Document Restoration	5.72	
02 90 50 00-0161 EA Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.89	
02 90 50 00-0162 EA Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.83	
02 90 50 00-0163 EA Copying Clean Water, Per Page For Document Restoration	0.56	
02 90 50 00-0164 EA Copying Greywater Fire, Per Page For Document Restoration	1.12	
02 90 50 00-0165 CF Deodorization, Vapor Tech For Document Restoration	7.21	
02 90 50 00-0166 CF Disinfectant-Fogging For Document Restoration	14.53	
02 90 50 00-0167 EA Document Disposal In House No Shredding For Document Restoration	56.04	
02 90 50 00-0168 EA Document Disposal In House With Shredding For Document Restoration	15.29	
02 90 50 00-0169 CF Up To 150 CF, Drying-MCS Center For Document Restoration	186.46	
02 90 50 00-0170 CF >150 To 500 CF, Drying-MCS Center For Document Restoration	145.04	
02 90 50 00-0171 CF >500 CF, Drying-MCS Center For Document Restoration	124.31	
02 90 50 00-0172 CF >50 To 150 CF, Drying-MCS Center For Document Restoration	165.75	
02 90 50 00-0173 CF Up To 500 CF, Drying-Onsite For Document Restoration	310.77	
02 90 50 00-0174 CF >500 CF, Drying-Onsite For Document Restoration	190.64	
02 90 50 00-0175 EA Drying Antique Books, Each For Document Restoration	41.42	
02 90 50 00-0176 EA Drying Blue Prints, Each For Document Restoration	5.18	
02 90 50 00-0177 EA DVD Scanning And Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0178 EA Freeze Drying (In House) For Document Restoration	139.01	
02 90 50 00-0179 EA Freeze Drying (Outside) For Document Restoration	119.15	
02 90 50 00-0180 EA Minimum Charge For Up To 48 CF, Irradiation - Gamma For Document Restoration	3,276.74	
02 90 50 00-0181 CF >48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.79	
02 90 50 00-0182 EA Minimal Drying Jobs For Document Restoration	1,380.20	
02 90 50 00-0183 EA Monthly Storage For Document Restoration	230.76	
02 90 50 00-0184 EA Mylar Prints For Document Restoration	10.36	
02 90 50 00-0185 CF Ozoning For Document Restoration	6.48	
02 90 50 00-0186 CF Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.99	
02 90 50 00-0187 MO Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188 EA Wood Pallets, Each For Document Restoration	33.34	

02 90 55 Emergency Clean-up (02 90)**02 90 55 00-0001 Emergency Clean-up (02 90 55)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0002**Emergency Clean-up Labor** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.88
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	44.00
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	60.50
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	99.00
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	82.50
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	115.50
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	165.00
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	121.00
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	60.25
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	82.50
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.50
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.88
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	87.38
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	105.00
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	94.25
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	68.12
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	66.00
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	54.50
02 90 55 00-0021	HR	Mobilization Support For Emergency Cleanup	33.50

02 90 55 00-0022**Emergency Clean-up Equipment** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023**General Emergency Clean-up Equipment** (02 90 55 00-0022)

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	107.68
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	410.76
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,124.62
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.93
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	90.01
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	248.47
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	62.12
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	158.46
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	373.97
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	342.28
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	919.08
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,560.75
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	773.30
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,041.00
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,501.82
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	73.55
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	208.96
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	718.83
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	68.54
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	183.89
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	476.43
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	109.66
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	312.94
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	874.63
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	1,019.75
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	3,059.25
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	9,177.75
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	80.24
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	180.54
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	481.45
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	100.30
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	225.68
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	601.81
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	75.23
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	106.99
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	292.55
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	819.13
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	130.39
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	443.00
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	844.21
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	121.22
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	333.35
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	909.15
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	41.79
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	25.08
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	66.87
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	183.89
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	501.51
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	83.58
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	229.86
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	626.89



Existing Conditions			02
Disaster Recovery			02 90
Emergency Clean-up			02 90 55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0075	EA		Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	125.38	
02 90 55 00-0076	DAY		Dry-Ice Blasting System For Emergency Clean-up.....	1,797.18	
02 90 55 00-0077	DAY		Fogger - Mist For Emergency Clean-up.....	35.65	
02 90 55 00-0078	WK		Fogger - Mist For Emergency Clean-up.....	98.05	
02 90 55 00-0079	MO		Fogger - Mist For Emergency Clean-up.....	267.40	
02 90 55 00-0080	DAY		Fogger - Electric Thermal For Emergency Clean-up	51.34	
02 90 55 00-0081	WK		Fogger - Electric Thermal For Emergency Clean-up	141.18	
02 90 55 00-0082	MO		Fogger - Electric Thermal For Emergency Clean-up	385.05	
02 90 55 00-0083	DAY		Fogger - Gas Power Thermal For Emergency Clean-up	201.84	
02 90 55 00-0084	WK		Fogger - Gas Power Thermal For Emergency Clean-up	555.07	
02 90 55 00-0085	MO		Fogger - Gas Power Thermal For Emergency Clean-up	1,513.82	
02 90 55 00-0086	EA		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	169.78	
02 90 55 00-0087	WK		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	466.88	
02 90 55 00-0088	MO		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,273.31	
02 90 55 00-0089	DAY		Hand Trucks/Dollies For Emergency Clean-up.....	20.06	
02 90 55 00-0090	WK		Hand Trucks/Dollies For Emergency Clean-up.....	55.17	
02 90 55 00-0091	MO		Hand Trucks/Dollies For Emergency Clean-up.....	150.45	
02 90 55 00-0092	DAY		Heat Gun - Shrink Wrap For Emergency Clean-up.....	138.46	
02 90 55 00-0093	WK		Heat Gun - Shrinkwrap For Emergency Clean-up	380.76	
02 90 55 00-0094	MO		Heat Gun - Shrinkwrap For Emergency Clean-up	1,038.43	
02 90 55 00-0095	DAY		High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	149.40	
Note: Includes all filters.					
02 90 55 00-0096	DAY		Ladder For Emergency Clean-up.....	28.42	
02 90 55 00-0097	DAY		Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.67	
02 90 55 00-0098	DAY		Lights - Wobble For Emergency Clean-up.....	31.37	
02 90 55 00-0099	DAY		Moisture Meter For Emergency Clean-up.....	42.78	
02 90 55 00-0100	WK		Moisture Meter For Emergency Clean-up.....	117.65	
02 90 55 00-0101	MO		Moisture Meter For Emergency Clean-up.....	320.87	
02 90 55 00-0102	DAY		Nail Gun For Emergency Clean-up.....	75.23	
02 90 55 00-0103	WK		Nail Gun For Emergency Clean-up.....	206.87	
02 90 55 00-0104	MO		Nail Gun For Emergency Clean-up.....	564.20	
02 90 55 00-0105	DAY		Ozone Generator For Emergency Clean-up	178.26	
02 90 55 00-0106	DAY		PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	100.30	
02 90 55 00-0107	DAY		Portable Generator, Up To 7,500 Watt For Emergency Clean-up	142.61	
02 90 55 00-0108	DAY		Pressure Washer, Hot For Emergency Clean-up.....	213.92	
02 90 55 00-0109	DAY		Pressure Washer, Cold For Emergency Clean-up.....	142.61	
02 90 55 00-0110	DAY		Scaffolding - Per Section For Emergency Clean-up	108.66	
02 90 55 00-0111	DAY		Small Tools - Tool Box For Emergency Clean-up.....	41.79	
02 90 55 00-0112	DAY		Soda Blasting Equipment For Emergency Clean-up.....	1,783.33	
02 90 55 00-0113	DAY		Sprayer - Hudson For Emergency Clean-up.....	13.37	
02 90 55 00-0114	WK		Sprayer - Hudson For Emergency Clean-up.....	36.78	
02 90 55 00-0115	MO		Sprayer - Hudson For Emergency Clean-up.....	100.30	
02 90 55 00-0116	DAY		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	90.34	
02 90 55 00-0117	WK		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	265.80	
02 90 55 00-0118	MO		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	909.77	
02 90 55 00-0119	DAY		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	178.14	
02 90 55 00-0120	WK		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	419.90	
02 90 55 00-0121	MO		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,170.62	
02 90 55 00-0122	DAY		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	190.86	
02 90 55 00-0123	WK		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	477.15	
02 90 55 00-0124	MO		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,285.14	
02 90 55 00-0125	DAY		Storage Space (Per SF Per Day) For Emergency Clean-up	4.81	
02 90 55 00-0126	DAY		Submersible Pump For Emergency Clean-up	35.65	
02 90 55 00-0127	DAY		Trash Pump - 2" Gas Powered For Emergency Clean-up	256.61	
02 90 55 00-0128	DAY		Vehicle, Pick-up, SUV, Car For Emergency Clean-up	127.38	
02 90 55 00-0129	DAY		Vehicle, Van For Emergency Clean-up.....	207.69	
02 90 55 00-0130	DAY		16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	280.34	
Note: Includes Mileage					
02 90 55 00-0131	DAY		Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	275.99	
02 90 55 00-0132	DAY		Utility Trailer For Emergency Clean-up.....	229.84	
Note: Includes Mileage					
02 90 55 00-0133	DAY		Truck Mount, Per Wand Extraction For Emergency Clean-up	1,036.59	
02 90 55 00-0134	DAY		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	35.65	
02 90 55 00-0135	WK		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	98.05	
02 90 55 00-0136	MO		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	267.40	
02 90 55 00-0137	DAY		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	121.22	
02 90 55 00-0138	WK		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	333.35	
02 90 55 00-0139	MO		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	909.15	
02 90 55 00-0140	DAY		Vacuum - Upright For Emergency Clean-up.....	30.46	
02 90 55 00-0141	WK		Vacuum - Upright For Emergency Clean-up.....	83.77	
02 90 55 00-0142	MO		Vacuum - Upright For Emergency Clean-up.....	228.45	
02 90 55 00-0143	DAY		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0144	WK		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0145	MO		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	309.26	
02 90 55 00-0146	DAY		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	51.82	
02 90 55 00-0147	WK		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	128.72	
02 90 55 00-0148	MO		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	325.98	
02 90 55 00-0149	DAY		17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	118.69	
02 90 55 00-0150	WK		17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	317.62	
02 90 55 00-0151	MO		17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	886.00	
02 90 55 00-0152	DAY		Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	35.65	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0153 WK Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	98.05	
02 90 55 00-0154 MO Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	267.40	
02 90 55 00-0155 DAY 10' x 10' Canopy For Emergency Clean-up	105.32	
02 90 55 00-0156 WK 10' x 10' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0157 MO 10' x 10' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0158 DAY 10' x 20' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0159 WK 10' x 20' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0160 MO 10' x 20' Canopy For Emergency Clean-up	842.54	
02 90 55 00-0161 DAY 16' x 16' Canopy For Emergency Clean-up	264.13	
02 90 55 00-0162 WK 16' x 16' Canopy For Emergency Clean-up	528.26	
02 90 55 00-0163 MO 16' x 16' Canopy For Emergency Clean-up	1,056.51	
02 90 55 00-0164 DAY 20' x 20' Canopy For Emergency Clean-up	351.06	
02 90 55 00-0165 WK 20' x 20' Canopy For Emergency Clean-up	702.11	
02 90 55 00-0166 MO 20' x 20' Canopy For Emergency Clean-up	1,404.23	
02 90 55 00-0167 DAY 20' x 30' Canopy For Emergency Clean-up	401.21	
02 90 55 00-0168 WK 20' x 30' Canopy For Emergency Clean-up	802.42	
02 90 55 00-0169 MO 20' x 30' Canopy For Emergency Clean-up	1,604.83	
02 90 55 00-0170 DAY 20' x 40' Canopy For Emergency Clean-up	468.08	
02 90 55 00-0171 WK 20' x 40' Canopy For Emergency Clean-up	936.15	
02 90 55 00-0172 MO 20' x 40' Canopy For Emergency Clean-up	1,872.30	
02 90 55 00-0173 DAY First Aid Station For Emergency Clean-up.....	252.76	
02 90 55 00-0174 WK First Aid Station For Emergency Clean-up.....	695.09	
02 90 55 00-0175 MO First Aid Station For Emergency Clean-up.....	1,895.71	
02 90 55 00-0176 DAY Portable Eyewash Station For Emergency Clean-up.....	76.76	
02 90 55 00-0177 WK Portable Eyewash Station For Emergency Clean-up.....	211.10	
02 90 55 00-0178 MO Portable Eyewash Station For Emergency Clean-up.....	575.73	
02 90 55 00-0179 DAY 2 Way Radio For Emergency Clean-up	41.70	

02 90 55 00-0180 Technical/Electronics Restoration Equipment (02 90 55 00-0022)

02 90 55 00-0181 DAY Computer - Diagnostic For Emergency Clean-up	41.79	
02 90 55 00-0182 WK Computer - Diagnostic For Emergency Clean-up	114.93	
02 90 55 00-0183 MO Computer - Diagnostic For Emergency Clean-up	313.44	
02 90 55 00-0184 DAY Convection Oven - Large For Emergency Clean-up.....	805.82	
02 90 55 00-0185 WK Convection Oven - Large For Emergency Clean-up.....	2,216.01	
02 90 55 00-0186 MO Convection Oven - Large For Emergency Clean-up.....	6,043.67	
02 90 55 00-0187 DAY Convection Oven - Small For Emergency Clean-up	150.45	
02 90 55 00-0188 WK Convection Oven - Small For Emergency Clean-up	413.75	
02 90 55 00-0189 MO Convection Oven - Small For Emergency Clean-up	1,128.40	
02 90 55 00-0190 DAY Convection Oven - Vacuum For Emergency Clean-up.....	1,150.12	
02 90 55 00-0191 WK Convection Oven - Vacuum For Emergency Clean-up	3,162.83	
02 90 55 00-0192 MO Convection Oven - Vacuum For Emergency Clean-up	8,625.90	
02 90 55 00-0193 DAY Decontamination Booth For Emergency Clean-up.....	950.74	
02 90 55 00-0194 WK Decontamination Booth For Emergency Clean-up.....	2,614.54	
02 90 55 00-0195 MO Decontamination Booth For Emergency Clean-up.....	7,130.56	
02 90 55 00-0196 DAY DI Water System For Emergency Clean-up	73.84	
02 90 55 00-0197 WK DI Water System For Emergency Clean-up	203.07	
02 90 55 00-0198 MO DI Water System For Emergency Clean-up	553.83	
02 90 55 00-0199 DAY ESD Bench Workstation For Emergency Clean-up	45.23	
02 90 55 00-0200 WK ESD Bench Workstation For Emergency Clean-up	124.38	
02 90 55 00-0201 MO ESD Bench Workstation For Emergency Clean-up	339.22	
02 90 55 00-0202 DAY Heater/Enclosure Control System For Emergency Clean-up.....	25.08	
02 90 55 00-0203 WK Heater/Enclosure Control System For Emergency Clean-up.....	68.96	
02 90 55 00-0204 MO Heater/Enclosure Control System For Emergency Clean-up.....	188.07	
02 90 55 00-0205 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	116.30	
02 90 55 00-0206 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	319.84	
02 90 55 00-0207 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	872.28	
02 90 55 00-0208 DAY Micro-Blaster/Dust Collector For Emergency Clean-up	376.13	
02 90 55 00-0209 WK Micro-Blaster/Dust Collector For Emergency Clean-up	1,034.36	
02 90 55 00-0210 MO Micro-Blaster/Dust Collector For Emergency Clean-up	2,820.99	
02 90 55 00-0211 DAY Mobile Laboratory For Emergency Clean-up	1,044.81	
02 90 55 00-0212 WK Mobile Laboratory For Emergency Clean-up	2,873.23	
02 90 55 00-0213 MO Mobile Laboratory For Emergency Clean-up	7,836.09	
02 90 55 00-0214 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up	20.06	
02 90 55 00-0215 WK Nitrogen Enclosure Cabinet For Emergency Clean-up	55.17	
02 90 55 00-0216 MO Nitrogen Enclosure Cabinet For Emergency Clean-up	150.45	
02 90 55 00-0217 DAY Odell Cleaning Station For Emergency Clean-up	585.10	
02 90 55 00-0218 WK Odell Cleaning Station For Emergency Clean-up	1,609.01	
02 90 55 00-0219 MO Odell Cleaning Station For Emergency Clean-up	4,388.21	
02 90 55 00-0220 DAY Parts Washer For Emergency Clean-up	41.79	
02 90 55 00-0221 WK Parts Washer For Emergency Clean-up	114.93	
02 90 55 00-0222 MO Parts Washer For Emergency Clean-up	313.44	
02 90 55 00-0223 DAY Ultrasonic Cleaning System For Emergency Clean-up.....	346.14	
02 90 55 00-0224 WK Ultrasonic Cleaning System For Emergency Clean-up.....	951.90	
02 90 55 00-0225 MO Ultrasonic Cleaning System For Emergency Clean-up.....	2,596.08	
02 90 55 00-0226 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	164.76	
02 90 55 00-0227 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	453.10	
02 90 55 00-0228 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,235.73	

02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)



Existing Conditions			02
Disaster Recovery			02 90
Emergency Clean-up			02 90 55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0230 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	178.26	
02 90 55 00-0231 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	490.23	
02 90 55 00-0232 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,336.98	
02 90 55 00-0233 DAY 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	60.87	
02 90 55 00-0234 WK 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	167.40	
02 90 55 00-0235 MO 2,200 CFM Centrifugal Air Mover For Emergency Clean-up	456.55	
02 90 55 00-0236 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up	101.46	
02 90 55 00-0237 WK 3,000 CFM Axial Air Mover For Emergency Clean-up	279.00	
02 90 55 00-0238 MO 3,000 CFM Axial Air Mover For Emergency Clean-up	760.91	
02 90 55 00-0239 DAY Injectidry System For Emergency Clean-up	221.05	
02 90 55 00-0240 WK Injectidry System For Emergency Clean-up	607.88	
02 90 55 00-0241 MO Injectidry System For Emergency Clean-up	1,657.85	
02 90 55 00-0242 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	142.61	
02 90 55 00-0243 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	392.18	
02 90 55 00-0244 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,069.58	
02 90 55 00-0245 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	169.78	
02 90 55 00-0246 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	466.88	
02 90 55 00-0247 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,273.31	
02 90 55 00-0248 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	196.94	
02 90 55 00-0249 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	541.58	
02 90 55 00-0250 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,477.04	
02 90 55 00-0251 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0252 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0253 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0254 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0255 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0256 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0257 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up	237.68	
02 90 55 00-0258 WK D-500 Desiccant Dehumidifier For Emergency Clean-up	653.63	
02 90 55 00-0259 MO D-500 Desiccant Dehumidifier For Emergency Clean-up	1,782.64	
02 90 55 00-0260 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up	499.14	
02 90 55 00-0261 WK D-750 Desiccant Dehumidifier For Emergency Clean-up	1,372.63	
02 90 55 00-0262 MO D-750 Desiccant Dehumidifier For Emergency Clean-up	3,743.54	
02 90 55 00-0263 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up	855.67	
02 90 55 00-0264 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,353.08	
02 90 55 00-0265 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,417.50	
02 90 55 00-0266 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0267 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0268 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0269 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0270 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0271 MO D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0272 DAY D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,375.86	
02 90 55 00-0273 WK D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,783.61	
02 90 55 00-0274 MO D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,318.92	
02 90 55 00-0275 DAY D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,711.33	
02 90 55 00-0276 WK D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,706.16	
02 90 55 00-0277 MO D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,834.99	
02 90 55 00-0278 DAY D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,925.25	
02 90 55 00-0279 WK D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,294.43	
02 90 55 00-0280 MO D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,439.36	
02 90 55 00-0281 DAY D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,067.86	
02 90 55 00-0282 WK D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,686.61	
02 90 55 00-0283 MO D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,508.95	
02 90 55 00-0284 DAY D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,716.40	
02 90 55 00-0285 WK D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,470.10	
02 90 55 00-0286 MO D-9000 Desiccant Dehumidifier For Emergency Clean-up	20,373.00	
02 90 55 00-0287 DAY D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,852.22	
02 90 55 00-0288 WK D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,843.60	
02 90 55 00-0289 MO D-10500 Desiccant Dehumidifier For Emergency Clean-up	21,391.65	
02 90 55 00-0290 DAY 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	677.69	
02 90 55 00-0291 WK 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,863.64	
02 90 55 00-0292 MO 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,082.66	
02 90 55 00-0293 DAY 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	938.34	
02 90 55 00-0294 WK 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,580.43	
02 90 55 00-0295 MO 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,037.53	
02 90 55 00-0296 DAY 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	855.67	
02 90 55 00-0297 WK 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,353.08	
02 90 55 00-0298 MO 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,417.50	
02 90 55 00-0299 DAY 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,140.89	
02 90 55 00-0300 WK 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,137.44	
02 90 55 00-0301 MO 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,556.66	
02 90 55 00-0302 DAY 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,925.25	
02 90 55 00-0303 WK 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,294.43	
02 90 55 00-0304 MO 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,439.36	
02 90 55 00-0305 DAY 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,139.16	
02 90 55 00-0306 WK 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,882.70	
02 90 55 00-0307 MO 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	16,043.74	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0308 DAY 25' Flex Duct For Emergency Clean-up	28.52	
02 90 55 00-0309 WK 25' Flex Duct For Emergency Clean-up	78.44	
02 90 55 00-0310 MO 25' Flex Duct For Emergency Clean-up	213.92	
02 90 55 00-0311 DAY Hygrothermograph For Emergency Clean-up	41.79	
02 90 55 00-0312 WK Hygrothermograph For Emergency Clean-up	114.93	
02 90 55 00-0313 MO Hygrothermograph For Emergency Clean-up	313.44	
02 90 55 00-0314 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	9,811.79	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0315 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	26,982.42	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0316 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	73,588.43	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0317 Power Equipment (02 90 55 00-0022)		
02 90 55 00-0318 WK Up to 65 KVA Generator For Emergency Clean-up	1,290.84	
02 90 55 00-0319 WK >65 to 125 KVA Generator For Emergency Clean-up	2,184.49	
02 90 55 00-0320 WK >125 to 250 KVA Generator For Emergency Clean-up	2,130.56	
02 90 55 00-0321 WK >250 to 375 KVA Generator For Emergency Clean-up	3,673.92	
02 90 55 00-0322 WK >375 Up to 440 KVA Generator For Emergency Clean-up	4,964.75	
02 90 55 00-0323 WK >440 to 625 KVA Generator For Emergency Clean-up	7,475.65	
02 90 55 00-0324 WK >625 to 800 KVA Generator For Emergency Clean-up	7,645.72	
02 90 55 00-0325 WK >800 to 1,000 KVA Generator For Emergency Clean-up	10,227.38	
02 90 55 00-0326 WK >1,000 to 1,500 KVA Generator For Emergency Clean-up	15,390.72	
02 90 55 00-0327 EA Generator Cable/Pigtails (Per Section) For Emergency Clean-up	33.36	
02 90 55 00-0328 EA Sub-Distribution Panel (Spider Box) For Emergency Clean-up	159.86	
02 90 55 00-0329 EA Electrical Distribution Panel For Emergency Clean-up	346.14	
02 90 55 00-0330 EA Quad Box Strings (25' Sections) For Emergency Clean-up	60.07	
02 90 55 00-0331 EA 50' Power Cord For Spider Box For Emergency Clean-up	55.61	
02 90 55 00-0332 EA Pig Tails (Per Each) For Emergency Clean-up	4.18	
02 90 55 00-0333 Freight Charges (02 90 55 00-0022)		
02 90 55 00-0334 MI Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.09	
02 90 55 00-0335 MI Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0336 MI Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0337 MI Freight Tractor Trailer For Emergency Clean-up Equipment	5.43	
02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0339 EA Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.80	
02 90 55 00-0340 EA Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.44	
02 90 55 00-0341 EA Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	15.14	
02 90 55 00-0342 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	19.08	
02 90 55 00-0343 EA Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	132.79	
02 90 55 00-0344 EA N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.17	
02 90 55 00-0345 EA N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	6.04	
02 90 55 00-0346 PR 3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0347 EA Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	32.44	
02 90 55 00-0348 PR P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0349 EA Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	41.24	
02 90 55 00-0350 BOX Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	45.98	
02 90 55 00-0351 PR Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.15	
02 90 55 00-0352 BOX 5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	21.39	
02 90 55 00-0353 PR 4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.45	
02 90 55 00-0354 PR 5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.38	
02 90 55 00-0355 PR 17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.81	
02 90 55 00-0356 PR 15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.29	
02 90 55 00-0357 PR Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.88	
02 90 55 00-0358 PR 30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.59	
02 90 55 00-0359 PR Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.70	
02 90 55 00-0360 EA Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	18.27	
02 90 55 00-0361 PR Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.37	
02 90 55 00-0362 PR Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	20.40	
02 90 55 00-0363 PR Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.42	
02 90 55 00-0364 EA Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	7.13	
02 90 55 00-0365 Emergency Clean-up Expendables (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0366 General Materials (02 90 55 00-0365)		
02 90 55 00-0367 GAL Adhesive Remover For Emergency Clean-up	85.57	



Existing Conditions		02
Disaster Recovery		02 90
Emergency Clean-up		02 90 55

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0368 GAL Bioside-HS Cleaning Solution For Emergency Clean-up	28.50	
02 90 55 00-0369 GAL Biocide Mold Cleaning Solution For Emergency Clean-up	36.36	
02 90 55 00-0370 EA 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.51	
02 90 55 00-0371 EA 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0372 EA 10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0373 GAL Bleach For Emergency Clean-up	9.20	
02 90 55 00-0374 EA Small Stainless Brush For Emergency Clean-up	7.38	
02 90 55 00-0375 EA 2-1/2 Gallon Buckets For Emergency Clean-up	7.06	
02 90 55 00-0376 EA 5 Gallon Bucket For Emergency Clean-up	10.70	
02 90 55 00-0377 GAL Carpet Defoamer For Emergency Clean-up	27.52	
02 90 55 00-0378 GAL Carpet Pre-treat For Emergency Clean-up	27.32	
02 90 55 00-0379 GAL Carpet Spotter For Emergency Clean-up	45.78	
02 90 55 00-0380 GAL Carpet/Upholstery Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0381 ROL Carpet Masking/Shield For Emergency Clean-up	114.31	
02 90 55 00-0382 EA Chemical Sponge For Emergency Clean-up	3.37	
02 90 55 00-0383 GAL Clear Seal For Emergency Clean-up	115.04	
02 90 55 00-0384 GAL Coil Cleaner For Emergency Clean-up	78.70	
02 90 55 00-0385 EA Decontamination Chamber For Emergency Clean-up	341.97	
02 90 55 00-0386 GAL All Purpose Degreaser For Emergency Clean-up	37.65	
02 90 55 00-0387 GAL Heavy-Duty Degreaser For Emergency Clean-up	44.80	
02 90 55 00-0388 GAL De-Foamer Liquid For Emergency Clean-up	49.48	
02 90 55 00-0389 EA Deodorization Membrane For Emergency Clean-up	95.84	
02 90 55 00-0390 GAL 9-D-9 Smoke Deodorizer For Emergency Clean-up	147.91	
02 90 55 00-0391 LB Deodorizing Gel For Emergency Clean-up	34.75	
02 90 55 00-0392 GAL Deodorizing Liquid For Emergency Clean-up	50.82	
02 90 55 00-0393 PAIL Deodorizing Block For Emergency Clean-up	8.74	
02 90 55 00-0394 GAL Disinfectant/Anti-microbial For Emergency Clean-up	90.16	
02 90 55 00-0395 GAL BruClean Disinfectant For Emergency Clean-up	40.04	
02 90 55 00-0396 GAL Dryclean For Emergency Clean-up	39.93	
02 90 55 00-0397 GAL Duct Sealant Spray For Emergency Clean-up	60.18	
02 90 55 00-0398 GAL Antifungal Duct Sealant For Emergency Clean-up	86.93	
02 90 55 00-0399 GAL Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	133.39	
02 90 55 00-0400 PR Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54	
02 90 55 00-0401 GAL Encapsulant For Emergency Clean-up	121.10	
02 90 55 00-0402 GAL Aftershock Fiberlocke For Emergency Clean-up	106.34	
02 90 55 00-0403 GAL IAQ 2500 Fiberlocke For Emergency Clean-up	103.22	
02 90 55 00-0404 GAL IAS 6000 Fiberlocke For Emergency Clean-up	106.16	
02 90 55 00-0405 ROL Filter Material For Emergency Clean-up	306.70	
02 90 55 00-0406 EA Blue Paper Collection Bag Filter For Emergency Clean-up	8.26	
02 90 55 00-0407 EA CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	655.98	
02 90 55 00-0408 EA Pre-Filter For Negative Air Machine For Emergency Clean-up	3.15	
02 90 55 00-0409 EA Pleated Filter For Negative Air Machine For Emergency Clean-up	14.01	
02 90 55 00-0410 EA Charcoal Filter For Negative Air Machine For Emergency Clean-up	49.89	
02 90 55 00-0411 EA High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	474.46	
02 90 55 00-0412 EA Pleated Dehumidifier Filter For Emergency Clean-up	12.52	
02 90 55 00-0413 GAL Floor Stripper For Emergency Clean-up	18.72	
02 90 55 00-0414 GAL Floor Wax For Emergency Clean-up	26.75	
02 90 55 00-0415 GAL Fogger (Thermal) For Emergency Clean-up	156.88	
02 90 55 00-0416 BOX Furniture Blocks For Emergency Clean-up	126.36	
02 90 55 00-0417 EA Furniture Polish, Per 10 Oz Can For Emergency Clean-up	17.03	
02 90 55 00-0418 GAL Glass Cleaner For Emergency Clean-up	11.35	
02 90 55 00-0419 EA Goof Off Spray, 12 Oz For Emergency Clean-up	19.86	
02 90 55 00-0420 EA Halogen Light Bulbs For Emergency Clean-up	19.10	
02 90 55 00-0421 QT Hand Sanitizer For Emergency Clean-up	9.44	
02 90 55 00-0422 EA Hard Hats For Emergency Clean-up Personal Protection Equipment	7.77	
02 90 55 00-0423 BOX Hog Rings, Box Of 2,500 For Emergency Clean-up	24.20	
02 90 55 00-0424 GAL HVAC Coal Cleaner For Emergency Clean-up	70.52	
02 90 55 00-0425 BOX Inventory Tag, Box Of 1,000 For Emergency Clean-up	170.20	
02 90 55 00-0426 EA Utility Knives For Emergency Clean-up	14.71	
02 90 55 00-0427 ROL 13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	146.00	
02 90 55 00-0428 ROL 20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	154.14	
02 90 55 00-0429 ROL 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	306.89	
02 90 55 00-0430 ROL 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	443.59	
02 90 55 00-0431 GAL Lemon Oil For Emergency Clean-up	45.64	
02 90 55 00-0432 GAL LPS 1/Mecca Lube For Emergency Clean-up	48.60	
02 90 55 00-0433 GAL LPS 2 For Emergency Clean-up	51.43	
02 90 55 00-0434 GAL LPS Contact Cleaner For Emergency Clean-up	51.19	
02 90 55 00-0435 GAL Light Lubricant Preserve For Emergency Clean-up	177.67	
02 90 55 00-0436 GAL Heavy Lubricant Preserver For Emergency Clean-up	26.75	
02 90 55 00-0437 GAL Machinery Cleaning Solvent For Emergency Clean-up	218.49	
02 90 55 00-0438 GAL Metal Polishing Paste For Emergency Clean-up	32.89	
02 90 55 00-0439 GAL MediClean® Disinfectant For Emergency Clean-up	54.06	
02 90 55 00-0440 GAL Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	66.35	
02 90 55 00-0441 EA Mop Heads For Emergency Clean-up	8.11	
02 90 55 00-0442 EA Nylon Scouring Pads For Emergency Clean-up	1.47	
02 90 55 00-0443 GAL Odor Neutralizer For Emergency Clean-up	45.78	
02 90 55 00-0444 EA Packing Paper, 25 Lb. Bundle For Emergency Clean-up	88.51	
02 90 55 00-0445 EA Paint Brushes For Emergency Clean-up	6.69	
02 90 55 00-0446 ROL Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	206.41	
02 90 55 00-0447 EA Putty Knives For Emergency Clean-up	6.06	
02 90 55 00-0448 ROL Red Resin Paper, 200' Roll For Emergency Clean-up	45.04	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0449 GAL Reodorant For Emergency Clean-up	113.68	
02 90 55 00-0450 GAL Restoracide For Emergency Clean-up	53.32	
02 90 55 00-0451 GAL Rust Remover For Emergency Clean-up	79.86	
02 90 55 00-0452 EA Saltesmo Test Samples For Emergency Clean-up	7.42	
02 90 55 00-0453 EA Sand Bag For Emergency Clean-up	1.94	
Note: Excludes sand material		
02 90 55 00-0454 EA Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	35.44	
02 90 55 00-0455 EA Small Scrub Brushes For Emergency Clean-up	16.98	
02 90 55 00-0456 GAL Clear Soot Sealant For Emergency Clean-up	92.62	
02 90 55 00-0457 GAL Pigmented Soot Sealant For Emergency Clean-up	249.78	
02 90 55 00-0458 ROL Shrinkwrap Plastic For Emergency Clean-up	57.50	
02 90 55 00-0459 EA Dry Sponges For Emergency Clean-up	5.91	
02 90 55 00-0460 EA Spray Adhesive, Per Can For Emergency Clean-up	6.00	
02 90 55 00-0461 EA Spray Bot./Trigger For Emergency Clean-up	5.16	
02 90 55 00-0462 GAL Stain Remover For Emergency Clean-up	41.35	
02 90 55 00-0463 GAL Stainless Steel Cleaner For Emergency Clean-up	11.30	
02 90 55 00-0464 EA Stainless Steel Polish, Per Can For Emergency Clean-up	14.83	
02 90 55 00-0465 LB Sweeping Compound For Emergency Clean-up	0.72	
02 90 55 00-0466 ROL Duct Tape, 2" x 50 YD For Emergency Clean-up	11.73	
02 90 55 00-0467 ROL Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	11.04	
02 90 55 00-0468 ROL HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	29.42	
02 90 55 00-0469 ROL Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.71	
02 90 55 00-0470 ROL Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.85	
02 90 55 00-0471 LB Terry Towels For Emergency Clean-up	6.89	
02 90 55 00-0472 GAL Thermal Fog For Emergency Clean-up	93.04	
02 90 55 00-0473 ROL 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	36.51	
02 90 55 00-0474 ROL 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	88.60	
02 90 55 00-0475 ROL 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	113.68	
02 90 55 00-0476 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	145.60	
02 90 55 00-0477 EA Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	48.80	
02 90 55 00-0478 EA Backpack Vacuum Bags For Emergency Clean-up	1.64	
02 90 55 00-0479 EA Upright Vacuum Bags For Emergency Clean-up	2.19	
02 90 55 00-0480 GAL Vinyl And Leather Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0481 ROL 1 Mil Visqueen, 12' x 400', For Emergency Clean-up	47.30	
02 90 55 00-0482 ROL 4 Mil Visqueen, 32' x 100', For Emergency Clean-up	128.43	
02 90 55 00-0483 ROL 6 Mil Visqueen, 32' x 400', For Emergency Clean-up	175.24	
02 90 55 00-0484 LB Wipes, Cotton Cloth For Emergency Clean-up	4.97	
02 90 55 00-0485 ROL 12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	144.24	
02 90 55 00-0486 EA Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.46	
02 90 55 00-0487 EA Zip Wall Zippers For Emergency Clean-up	21.89	
02 90 55 00-0488 EA Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll	35.66	
Note: 3.3 gallon volume absorption capacity per roll		
02 90 55 00-0489 EA Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100	53.49	
Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0490 EA Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100	56.36	
Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0491 EA Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100	92.02	
Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0492 Technical/Electronics Restoration Materials (02 90 55 00-0365)		
02 90 55 00-0493 EA Brush - Brass For Emergency Clean-up	5.02	
02 90 55 00-0494 EA 1" Brush, Natural Bristle For Emergency Clean-up	1.60	
02 90 55 00-0495 EA 1/2" Brush, Natural Bristle For Emergency Clean-up	1.34	
02 90 55 00-0496 EA 1/4" Brush, Natural Bristle For Emergency Clean-up	1.14	
02 90 55 00-0497 EA Brush - Parts For Emergency Clean-up	6.95	
02 90 55 00-0498 EA Brush - Plastic For Emergency Clean-up	3.61	
02 90 55 00-0499 EA Brush - Wire Grout For Emergency Clean-up	9.69	
02 90 55 00-0500 EA Brushing Tool For Emergency Clean-up	18.69	
02 90 55 00-0501 EA Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0502 EA Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40	
02 90 55 00-0503 EA Contact Restorer, Per Can For Emergency Clean-up	30.40	
02 90 55 00-0504 EA Contact Spray, Per Can For Emergency Clean-up	20.69	
02 90 55 00-0505 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.21	
02 90 55 00-0506 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	9.19	
02 90 55 00-0507 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.91	
02 90 55 00-0508 LB Cotton Cleaning Cloths For Emergency Clean-up	18.81	
02 90 55 00-0509 EA 12" x 17" Dust Cloths For Emergency Clean-up	0.30	
02 90 55 00-0510 EA 24" x 24" Dust Cloths For Emergency Clean-up	0.82	
02 90 55 00-0511 EA Deoxidizing Agent, Per Can For Emergency Clean-up	14.73	
02 90 55 00-0512 GAL Electronic Grade Detergent For Emergency Clean-up	41.54	
02 90 55 00-0513 SHT Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0514 GAL Isopropyl Alcohol For Emergency Clean-up	110.07	
02 90 55 00-0515 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	179.14	
02 90 55 00-0516 GAL PC Board Detergent For Emergency Clean-up	85.88	
02 90 55 00-0517 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up	141.18	
02 90 55 00-0518 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up	142.24	
02 90 55 00-0519 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up	152.04	
02 90 55 00-0520 LB Wipes, Lint Free Cloths For Emergency Clean-up	7.81	
02 90 55 00-0521 EA Wire Marker Card For Emergency Clean-up	2.34	
02 90 55 00-0522 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.57	



Existing Conditions		02	02
Disaster Recovery		02 90	
Emergency Clean-up		02 90 55	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

END OF SECTION 02

02	02	Existing Conditions	
	02 90	Disaster Recovery	
	02 90 55	Emergency Clean-up	



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



Concrete		03	03
Maintenance of Concrete		03 01	
Maintenance of Concrete Reinforcing		03 01 20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete⁽⁰³⁾

03 01 20 Maintenance of Concrete Reinforcing^(03 01)

03 01 20 00-0001	Rebar Coating ^(03 01 20)	
03 01 20 00-0002	SF 20 Mil Thick, Cementitious Epoxy Resin Compensated 3-Component, Solvent-Free, Coating Material With Corrosion Inhibitor, And Reinforcement Corrosion Protection - Per Coat (Sika® Armatec®-110 EpoCem).....	2.67

03 01 30 Maintenance of Cast-In-Place Concrete^(03 01)

03 01 30 51 Cleaning of Cast-In-Place Concrete^(03 01 30)

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51)	
	Note: Includes containment and cleanup of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	4.02
	For Up To 100, Add	3.46
	For >100 To 250, Add	0.87
	For >250 To 500, Add	0.43
	For >5,000 To 10,000, Deduct	-0.09
	For >10,000, Deduct	-0.17
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.74
	For Up To 100, Add	6.90
	For >100 To 250, Add	1.73
	For >250 To 500, Add	0.86
	For >5,000 To 10,000, Deduct	-0.17
	For >10,000, Deduct	-0.35

03 01 30 71 Rehabilitation of Cast-In-Place Concrete^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71)	
	See CSI section 09 01 90 52-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	6.72
03 01 30 71-0005	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	20.00
03 01 30 71-0006	SF Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.58
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.16
03 01 30 71-0009	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	28.20
03 01 30 71-0010	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	31.53
03 01 30 71-0011	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.56
03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound	16.94
	Note: Rapid Set - WunderFixx	
03 01 30 71-0013	Circular Piers ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.29
03 01 30 71-0015	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	22.91
	Note: Rapid Set - WunderFixx	
03 01 30 71-0016	Soffit Repair ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0017	LF Up To 16" Wide Concrete Soffit Repair	20.86
03 01 30 71-0018	LF >16" To 20" Wide Concrete Soffit Repair.....	21.82
03 01 30 71-0019	LF >20" To 24" Wide Concrete Soffit Repair.....	23.78
03 01 30 71-0020	LF >24" To 30" Wide Concrete Soffit Repair.....	25.84
03 01 30 71-0021	LF >30" To 36" Wide Concrete Soffit Repair.....	27.45
03 01 30 71-0022	Edge Repair ^(03 01 30 71-0002)	
	Note: Includes mesh. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0023	LF 2" Spall Concrete Edge Repair	22.14
03 01 30 71-0024	LF 3" Spall Concrete Edge Repair	23.23
03 01 30 71-0025	LF 4" Spall Concrete Edge Repair	23.89
03 01 30 71-0026	LF 6" Spall Concrete Edge Repair	24.67
03 01 30 71-0027	LF 8" Spall Concrete Edge Repair	26.05
03 01 30 71-0028	LF 9" Spall Concrete Edge Repair	29.30
03 01 30 71-0029	CF Patch Edge, Portland Cement Based Repair Material	185.05
03 01 30 71-0030	CF Patch Edge, Rapid Setting Concrete Repair Material	253.80

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0031	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate	260.94	
03 01 30 71-0032	CF	Patch Edge With SSI Flex Patch	518.44	
03 01 30 71-0033		Concrete Materials (03 01 30 71-0002)		
		Note: Excludes saw cutting, sand blasting and forming.		
03 01 30 71-0034	SF	Sika Ferroguard® 903	1.56	
03 01 30 71-0035	SF	Sika-Guard 701W	1.77	
03 01 30 71-0036	SF	Sika 550W Pearl Ash.....	1.03	
03 01 30 71-0037	SF	Sika Top 144 Gray.....	2.49	
03 01 30 71-0038		Bridge Deck Treatment (03 01 30 71-0002)		
03 01 30 71-0039	SF	Sweep Bridge Deck	0.02	
03 01 30 71-0040	SF	Clean Bridge Deck.....	0.03	
03 01 30 71-0041	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.39	
03 01 30 71-0042		Concrete Finishes (03 01 30 71-0001)		
03 01 30 71-0043		Concrete Patching (03 01 30 71-0042)		
03 01 30 71-0044		Walls (03 01 30 71-0043)		
03 01 30 71-0045	BAG	Sika Top 111 Plus.....	184.63	
		Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.		
		Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).		
		For Up To 10, Add	67.48	
		For >10 To 25, Add	40.49	
		For >25 To 50, Add	26.99	
		For >50 To 75, Add	13.50	
03 01 30 71-0046	BAG	Sika Grout 212, 50 Lb. Bag.....	126.85	
		Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
		For Up To 10, Add	42.73	
		For >10 To 25, Add	25.64	
		For >25 To 50, Add	17.09	
		For >50 To 75, Add	8.55	
03 01 30 71-0047	EA	Sika Flex 1A, 10.3 Ounce Tube	43.06	
		Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0048	BAG	Pea Gravel.....	32.60	
03 01 30 71-0049	BAG	Sika Top 123, 44 Lb. Bag	187.88	
03 01 30 71-0050	BAG	Sika Top 121 Plus Kit.....	180.16	
		Note: SikaTop 121 PLUS is a two component, polymer-modified, leveling and pore sealing mortar. Yield: 0.4 cu. ft./unit.		
03 01 30 71-0051	BAG	Sika Top 122 Plus Kit.....	199.65	
		Note: SikaTop 122 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar. Yield: 0.51 cu. ft./ unit mortar; 0.75 cu. ft./unit concrete; (SikaTop 122 + 42 Lb. 3/8" pea gravel).		
03 01 30 71-0052	BAG	Sika Top 123 Plus Kit.....	196.15	
		Note: SikaTop 123 PLUS is a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. Yield: 0.39 cu. ft./unit.		
03 01 30 71-0053		Crack Repair For Concrete (03 01 30 71-0001)		
03 01 30 71-0054		Non-Structural Crack Repair For Concrete (03 01 30 71-0053)		
03 01 30 71-0055		Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0054)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0056	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.54	
		For V-Grooving Crack With Grinder, Add	6.03	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	9.85	
		For V-Grooving Crack With Grinder, Add	5.89	
03 01 30 71-0058	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	7.68	
		For V-Grooving Crack With Grinder, Add	6.03	
03 01 30 71-0059	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	10.14	
		For V-Grooving Crack With Grinder, Add	5.89	
03 01 30 71-0060	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	8.22	
		For V-Grooving Crack With Grinder, Add	6.03	
03 01 30 71-0061	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	11.22	
		For V-Grooving Crack With Grinder, Add	5.89	
03 01 30 71-0062	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	8.61	
		For V-Grooving Crack With Grinder, Add	6.03	



		Concrete	03	03
		Maintenance of Concrete	03 01	
		Maintenance of Cast-In-Place Concrete	03 01 30	

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
03 01 30 71-0063	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)		12.00
		<i>For V-Grooving Crack With Grinder, Add</i>		5.89
03 01 30 71-0064	LF	Up To 1/4" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)		6.53
		<i>For V-Grooving Crack With Grinder, Add</i>		5.17
03 01 30 71-0065	LF	Up To 1/4" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)		7.82
		<i>For V-Grooving Crack With Grinder, Add</i>		6.03
03 01 30 71-0066	LF	>1/4" To 1/2" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)		7.82
		<i>For V-Grooving Crack With Grinder, Add</i>		6.03
03 01 30 71-0067	LF	>1/4" To 1/2" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)		10.41
		<i>For V-Grooving Crack With Grinder, Add</i>		7.76
03 01 30 71-0068		Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0054)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0069	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)		33.04
		<i>For Cracks Accessible From Both Sides, Add</i>		6.73
03 01 30 71-0070		Structural Crack Repair For Concrete (03 01 30 71-0053)		
03 01 30 71-0071		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0070)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0072	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)		8.71
		<i>For V-Grooving Crack With Grinder, Add</i>		6.03
03 01 30 71-0073	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)		12.20
		<i>For V-Grooving Crack With Grinder, Add</i>		5.89
03 01 30 71-0074	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)		8.50
		<i>For V-Grooving Crack With Grinder, Add</i>		6.03
03 01 30 71-0075	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)		11.78
		<i>For V-Grooving Crack With Grinder, Add</i>		5.89
03 01 30 71-0076	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)		10.24
		<i>For V-Grooving Crack With Grinder, Add</i>		6.03
03 01 30 71-0077	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)		15.27
		<i>For V-Grooving Crack With Grinder, Add</i>		5.89
03 01 30 71-0078		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0070)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0079	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)		28.86
		<i>For Cracks Accessible From Both Sides, Add</i>		6.73
03 01 30 71-0080	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)		28.65
		<i>For Cracks Accessible From Both Sides, Add</i>		6.73
03 01 30 71-0081		Surface Applied Polyurethane Elastomeric Sealant (Sikaflex®-2c NS EZ Mix) (03 01 30 71-0053)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, etc.		
03 01 30 71-0082	LF	1/4" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		3.01
03 01 30 71-0083	LF	3/8" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		3.19
03 01 30 71-0084	LF	1/2" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		3.41
03 01 30 71-0085	LF	3/8" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		3.47
03 01 30 71-0086	LF	1/2" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		3.75
03 01 30 71-0087	LF	3/4" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		5.08
03 01 30 71-0088	LF	1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		4.21
03 01 30 71-0089	LF	3/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		4.80
03 01 30 71-0090	LF	1" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		5.38
03 01 30 71-0091	LF	1-1/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		5.97
03 01 30 71-0092	LF	1-1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)		6.66
03 01 30 71-0093		Carbon Fiber Strengthening System (03 01 30 71-0001)		
		Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0094	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer		93.51
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
		<i>For >500 To 1,000, Deduct</i>		-6.12
		<i>For >1,000 To 2,500, Deduct</i>		-8.28
		<i>For >2,500, Deduct</i>		-10.80

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0095	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500, Deduct	84.23 -5.43 -7.36 -9.64	
03 01 30 71-0096	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer..... Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500, Deduct	79.02 -5.04 -6.84 -8.99	
03 01 30 71-0097	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer..... Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500, Deduct	76.12 -4.82 -6.55 -8.63	
03 01 30 71-0098	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. For >500 To 1,000, Deduct For >1,000 To 2,500, Deduct For >2,500, Deduct	72.06 -4.52 -6.14 -8.12	
03 01 30 71-0099		High Modulus Carbon Fiber Fabric (V-Wrap™ C200HM) (03 01 30 71-0001) Note: V-Wrap C200HM is a unidirectional carbon fiber fabric with fiber oriented in the 0° direction. V-Wrap C200HM system is field laminated using two-part 100% solids and high strength structural adhesives.		
03 01 30 71-0100	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Columns	73.64	
03 01 30 71-0101	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Ceiling Slabs	69.21	
03 01 30 71-0102	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Walls	66.75	
03 01 30 71-0103		Carbon Fiber Strengthening Fabric (SikaWrap) (03 01 30 71-0001)		
03 01 30 71-0104	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Columns (SikaWrap® Hex-103 C).....	63.79	
03 01 30 71-0105	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Ceiling Slabs (SikaWrap® Hex-103 C).....	59.36	
03 01 30 71-0106	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Walls (SikaWrap® Hex-103 C).....	56.90	
03 01 30 71-0107	SF	5 Mil Thick, Water Dispersed, Acrylic, Protective, Anti-Carbonation Coating (Sikagard®-670 W)..... Note: Adhesive for Carbon fiber wrap application	1.55	
03 01 30 71-0108		Concrete Rehabilitation (03 01 30 71)		
03 01 30 71-0109		Corrosive Inhibitor (03 01 30 71-0108)		
03 01 30 71-0110	SF	Corrosive Inhibitor	6.36	
03 01 30 71-0111		Remove Cracked Or Damaged Concrete Surfacing Material (03 01 30 71)		
03 01 30 71-0112	SF	Removal Of Concrete <3/4" Deep On Vertical Wall Surfaces..... Note: Excludes patching materials	20.49	
03 01 30 71-0113	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Vertical Wall Surfaces	27.14	
03 01 30 71-0114	SF	Removal Of Concrete >1-1/2" To 3" Deep On Vertical Wall Surfaces	33.80	
03 01 30 71-0115	SF	Removal Of Concrete >3" To 4" Deep On Vertical Wall Surfaces	45.07	
03 01 30 71-0116	SF	Removal Of Concrete <3/4" Deep On Overhead Surfaces..... Note: Excludes patching materials	40.97	
03 01 30 71-0117	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Overhead Surfaces	54.29	
03 01 30 71-0118	SF	Removal Of Concrete >1-1/2" To 3" Deep On Overhead Surfaces	67.60	
03 01 30 71-0119	SF	Removal Of Concrete >3" To 4" Deep On Overhead Surfaces..... Note: Excludes patching materials.	90.15	
03 01 30 72		Strengthening Of Cast-in-Place Concrete (03 01 30)		
03 01 30 72-0001		Concrete Surface Repairs (03 01 30 72)		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.40	
03 05		Common Work Results For Concrete (03)		
03 05 13		Concrete Admixtures (03 05)		
03 05 13 00-0001		Concrete Admixtures (03 05 13)		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	6.67	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	4.62	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.18	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	14.36	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.82	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture.....	25.64	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	5.54	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	10.80	



		Concrete	03	03
		Common Work Results For Concrete	03 05	
		Concrete Admixtures	03 05 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0010	CY		1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.69	
03 05 13 00-0011	CY		2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	15.38	
03 05 13 00-0012	CY		Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.13	
03 05 13 00-0013	CY		High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	12.31	
03 05 13 00-0014	CY		1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	10.94	
03 05 13 00-0015	CY		1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....	16.41	
03 05 13 00-0016	CY		25 Lb./CY Steel Fibers, Concrete Admixture	36.69	
03 05 13 00-0017	CY		10% Microsilica (Silica Fume), Concrete Admixture	82.04	
03 05 13 00-0018	CY		Corrosion Inhibiting Concrete Admixture	30.77	
03 05 13 00-0019	CY		Winter Service Or Heat, Concrete Add	16.41	
03 05 13 00-0020	CY		Chilled Water, Concrete Add	16.41	
03 05 13 00-0021	CY		Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY		Standard Color (See Davis Colors Color Card), Concrete Admixture.....	65.94	
03 05 13 00-0023	CY		Premium Color (See Davis Colors Color Card), Concrete Admixture.....	126.61	
03 05 13 00-0024	CY		Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	

03 10 Concrete Forming and Accessories⁽⁰³⁾

03 11 Concrete Forming^(03 10)

03 11 13 Structural Cast-In-Place Concrete Forming^(03 11)

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork ^(03 11 13)	
Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.			
03 11 13 00-0002		Foundation Wood Formwork ^(03 11 13 00-0001)	
Note: For foundation work below or at grade.			
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork.....	8.64
		For <1,000, Add	1.61
		For Foundations >8' Below Grade, Add	1.55
		For Curved Formwork, Add	3.11
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	10.28
		For <1,000, Add	1.93
		For Foundations >8' Below Grade, Add	1.87
		For Curved Formwork, Add	3.75
03 11 13 00-0005	SF	Mat Foundation Wood Formwork.....	11.80
		For <1,000, Add	2.26
		For Foundations >8' Below Grade, Add	2.20
		For Curved Formwork, Add	4.41
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	9.76
		For <1,000, Add	1.85
		For Foundations >8' Below Grade, Add	1.80
		For Curved Formwork, Add	3.59
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork	13.89
		Note: Excludes footing	
		For <1,000, Add	2.62
		For Foundations >8' Below Grade, Add	2.54
		For Curved Formwork, Add	5.09
03 11 13 00-0008		Slab Edge And Block-Out Wood Formwork ^(03 11 13 00-0001)	
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	6.65
		For Foundations >8' Below Grade, Add	1.24
		For Curved Formwork, Add	2.47
		For Up To 250, Add	1.27
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	9.55
		For Foundations >8' Below Grade, Add	1.73
		For Curved Formwork, Add	3.45
		For Up To 250, Add	1.79
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork.....	12.19
		For Foundations >8' Below Grade, Add	2.23
		For Curved Formwork, Add	4.47
		For <1,000, Add	2.30
03 11 13 00-0012		Column Wood Formwork ^(03 11 13 00-0001)	
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork.....	51.54
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork.....	74.77
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork.....	93.83
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork.....	134.48
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork.....	192.89
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork.....	254.70
03 11 13 00-0019		Above Grade Wall Wood Formwork ^(03 11 13 00-0001)	
03 11 13 00-0020	SF	Up To 8" High Above Grade Wall Wood Formwork.....	15.53
		For Curved Formwork, Add	5.74
		For <1,000, Add	2.95

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork For Curved Formwork, Add For <1,000, Add	18.41 6.82 3.50	
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork For Curved Formwork, Add For <1,000, Add	20.46 7.50 3.86	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork For Curved Formwork, Add For <1,000, Add	12.87 4.78 2.45	
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork For <1,000, Add	12.11 2.21	
03 11 13 00-0027 Metal Framed Formwork (03 11 13) Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	8.65 1.53 1.43 2.85	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	9.52 1.70 1.59 3.19	
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	10.78 1.90 1.77 3.53	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	9.11 1.60 1.49 2.97	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing. For <1,000, Add For Foundations >8' Below Grade, Add For Curved Formwork, Add	13.65 2.45 2.31 4.62	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork For Foundations >8' Below Grade, Add For Curved Formwork, Add For <250, Add	5.85 1.13 2.26 1.14	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork For Foundations >8' Below Grade, Add For Curved Formwork, Add For <250, Add	7.35 1.40 2.81 1.43	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork For Foundations >8' Below Grade, Add For Curved Formwork, Add For <1,000, Add	8.15 1.55 3.10 1.58	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork 03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork 03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork 03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork 03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork 03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork 03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork 03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	54.55 66.23 77.95 92.98 112.18 135.00 173.42 214.34	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork 03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork 03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork 03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork 03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork	62.54 68.85 78.25 89.86 105.19	



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Forming	03 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork	119.81	
03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork	158.70	
03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork	215.43	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)					
03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork	8.80	
			For Curved Formwork, Add	2.68	
			For <1,000, Add	1.48	
03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork.....	10.82	
			For Curved Formwork, Add	3.24	
			For <1,000, Add	1.80	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)					
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.					
03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork	8.69	
			For Curved Formwork, Add	2.50	
			For <1,000, Add	1.41	
03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork.....	6.61	
			For Curved Formwork, Add	1.97	
			For <1,000, Add	1.10	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)					
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.					
03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork.....	11.83	
			For <1,000, Add	1.73	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13)					
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.					
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)					
03 11 13 00-0067	LF		6" Diameter Round Fiber Tube Formwork	20.76	
			For Plastic Lined, Add	0.88	
			For Columns >12' In Length, Add	2.08	
03 11 13 00-0068	LF		8" Diameter Round Fiber Tube Formwork	21.98	
			For Plastic Lined, Add	1.04	
			For Columns >12' In Length, Add	2.20	
03 11 13 00-0069	LF		10" Diameter Round Fiber Tube Formwork	24.45	
			For Plastic Lined, Add	1.25	
			For Columns >12' In Length, Add	2.45	
03 11 13 00-0070	LF		12" Diameter Round Fiber Tube Formwork	30.49	
			For Plastic Lined, Add	2.23	
			For Columns >12' In Length, Add	3.05	
03 11 13 00-0071	LF		14" Diameter Round Fiber Tube Formwork	34.35	
			For Plastic Lined, Add	2.82	
			For Columns >12' In Length, Add	3.44	
03 11 13 00-0072	LF		16" Diameter Round Fiber Tube Formwork	37.56	
			For Plastic Lined, Add	3.51	
			For Columns >12' In Length, Add	3.76	
03 11 13 00-0073	LF		18" Diameter Round Fiber Tube Formwork	40.55	
			For Plastic Lined, Add	4.11	
			For Columns >12' In Length, Add	4.06	
03 11 13 00-0074	LF		20" Diameter Round Fiber Tube Formwork	46.47	
			For Plastic Lined, Add	5.58	
			For Columns >12' In Length, Add	4.65	
03 11 13 00-0075	LF		22" Diameter Round Fiber Tube Formwork	48.63	
			For Plastic Lined, Add	5.81	
			For Columns >12' In Length, Add	4.86	
03 11 13 00-0076	LF		24" Diameter Round Fiber Tube Formwork	51.08	
			For Plastic Lined, Add	6.13	
			For Columns >12' In Length, Add	5.11	
03 11 13 00-0077	LF		26" Diameter Round Fiber Tube Formwork	53.26	
			For Plastic Lined, Add	6.62	
			For Columns >12' In Length, Add	5.33	
03 11 13 00-0078	LF		28" Diameter Round Fiber Tube Formwork	55.42	
			For Plastic Lined, Add	7.10	
			For Columns >12' In Length, Add	5.54	
03 11 13 00-0079	LF		30" Diameter Round Fiber Tube Formwork	57.60	
			For Plastic Lined, Add	7.59	
			For Columns >12' In Length, Add	5.76	
03 11 13 00-0080	LF		36" Diameter Round Fiber Tube Formwork	66.86	
			For Plastic Lined, Add	9.76	
			For Columns >12' In Length, Add	6.69	
03 11 13 00-0081	LF		42" Diameter Round Fiber Tube Formwork	107.09	
			For Plastic Lined, Add	21.40	
			For Columns >12' In Length, Add	10.71	
03 11 13 00-0082	LF		48" Diameter Round Fiber Tube Formwork	131.08	
			For Plastic Lined, Add	28.16	
			For Columns >12' In Length, Add	13.11	
03 11 13 00-0083	LF		54" Diameter Round Fiber Tube Formwork	239.10	
			For Plastic Lined, Add	59.87	
			For Columns >12' In Length, Add	23.91	

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	266.55 67.56 26.66	
03 11 13 00-0085		Accessories For Formwork (03 11 13)		
03 11 13 00-0086		Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.31	
03 11 13 00-0088		Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.45	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.83	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.27	
03 11 13 00-0092		Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	11.94	
03 11 13 00-0094		Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.12	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	17.23	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	20.85	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	23.93	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	30.91	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	69.81	
03 11 16		Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 13		Concrete Form Liners (03 11 16)		
03 11 16 13-0001		Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.72	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	7.74	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	10.18	
03 11 23		Permanent Stair Forming (03 11)		
03 11 23 00-0001		Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	19.89 7.65 3.88	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork..... Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	39.07 14.82 7.55	
03 11 23 00-0004		Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	17.15	
		<i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	6.29 3.24	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	31.42	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	11.65 5.98	
03 15		Concrete Accessories (03 10)		
03 15 13		Waterstops (03 15)		
03 15 13 13		Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	9.14	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.28	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	12.40	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	13.63	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	20.59	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	10.11	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	12.63	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	22.51	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	17.73	
03 15 13 13-0011		Rubber Waterstops (03 15 13 13)		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	10.11	



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	11.59		
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	10.55		
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	14.42		
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.99		
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	15.32		
03 15 13 16 Expanding Waterstops (03 15 13)					
03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)					
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop.....	8.12		
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop.....	12.48		
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop.....	14.03		
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop.....	15.90		
03 15 16 Concrete Construction Joints (03 15)					
03 15 16 00-0001 Poured Expansion Joint (03 15 16)					
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	3.66		1.04
		For Installation In Walls, Add.....	1.75		
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured.....	8.00		1.04
		For Installation In Walls, Add.....	1.97		
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	4.22		1.04
		For Installation In Walls, Add.....	1.75		
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	10.21		1.04
		For Installation In Walls, Add.....	1.97		
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	6.13		1.04
		For Installation In Walls, Add.....	1.97		
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	11.22		1.04
		For Installation In Walls, Add.....	3.18		
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	4.05		1.04
		For Installation In Walls, Add.....	1.75		
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	4.94		1.04
		For Installation In Walls, Add.....	1.75		
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	12.60		1.04
		For Installation In Walls, Add.....	1.97		
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)					
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)					
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.52		1.15
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.92		1.21
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.17		1.27
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.42		1.32
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.78		1.15
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.13		1.21
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.55		1.27
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.14		1.32
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.50		1.10
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.74		1.15
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.02		1.21
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.27		1.27
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.56		1.32
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.97		1.38
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.29		1.44
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.85		1.50
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.05		1.21
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.53		1.27
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.36		1.38
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	7.69		1.90
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)					
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint.....	4.52		1.21
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint.....	5.09		1.32
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint.....	5.54		1.38
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint.....	7.92		1.44
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint.....	8.43		1.50
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint.....	9.24		1.90
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint.....	10.80		1.90
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint.....	11.52		1.90
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)					
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.75		1.21
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.87		1.27
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.03		1.32
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.56		1.38
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.84		1.21
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.97		1.27

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.09	1.32
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.41	1.38
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint.....	2.78	1.21
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.06	1.27
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....	3.40	1.38
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.65	1.15
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.58	1.15
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.33	0.87
		>1,250, Deduct	-0.07	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.24	0.87
		>1,250, Deduct	-0.06	
03 15 16 00-0061		Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	6.45	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	6.55	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	6.77	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	7.15	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	8.72	
03 15 16 00-0068		Expansion Control Systems (03 15 16)		
03 15 16 00-0069		Wabo Jeene "FW" Traffic Series Expansion Control System (03 15 16 00-0068)		
		Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System	97.35	6.96
		Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System	120.38	7.88
		Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System	139.65	8.70
		Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System	166.59	9.62
		Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System	209.64	10.54
		Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System	248.09	11.36
		Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System	406.26	12.28
		Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0077		Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System (03 15 16 00-0068)		
		Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.		
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System.....	184.81	9.21
		Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System.....	229.68	11.51
		Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System.....	288.47	13.81
		Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	140.89	9.21
		Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	183.19	11.51
		Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		



Concrete		03	03
Concrete Forming and Accessories		03 10	
Concrete Accessories		03 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System..... Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	244.55	13.81
03 15 16 00-0084		Emseal Seismic Colorseal Expansion Joint System (03 15 16 00-0068) Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.		
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	61.22	4.63
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	90.82	5.33
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	125.68	6.02
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	155.81	6.60
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	191.96	7.30
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	236.65	7.99
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	283.96	8.70
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	326.56	9.27
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	371.24	9.97
03 15 16 00-0094		Emseal Thermaflex Watertight Expansion Joint System (03 15 16 00-0068) Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.		
03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	104.06	6.91
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	111.12	8.05
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System..... Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	533.57	23.01
03 15 19		Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001		Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002		J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003		1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.13 3.80 26.57 -0.33 -0.84 -1.69	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	16.72 4.84 33.85 -0.35 -0.95 -1.89	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.95 6.66 46.62 -0.38 -1.10 -2.19	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0007	EA		5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.03	
			For Galvanized, Add	8.70	
			For Stainless Steel, Add	60.90	
			For >10 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-1.20	
			For >100, Deduct	-2.40	
03 15 19 00-0008	EA		5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.56	
			For Galvanized, Add	11.62	
			For Stainless Steel, Add	81.31	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-1.41	
			For >100, Deduct	-2.83	
03 15 19 00-0009	EA		5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	35.71	
			For Galvanized, Add	13.28	
			For Stainless Steel, Add	92.93	
			For >10 To 50, Deduct	-0.46	
			For >50 To 100, Deduct	-1.58	
			For >100, Deduct	-3.16	
03 15 19 00-0010 3/4" And 7/8" Diameter (03 15 19 00-0002)					
03 15 19 00-0011	EA		3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	35.52	
			For Galvanized, Add	13.18	
			For Stainless Steel, Add	92.26	
			For >10 To 50, Deduct	-0.46	
			For >50 To 100, Deduct	-1.58	
			For >100, Deduct	-3.15	
03 15 19 00-0012	EA		3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.91	
			For Galvanized, Add	15.37	
			For Stainless Steel, Add	107.56	
			For >10 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-1.79	
			For >100, Deduct	-3.57	
03 15 19 00-0013	EA		3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.81	
			For Galvanized, Add	19.68	
			For Stainless Steel, Add	137.76	
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-2.13	
			For >100, Deduct	-4.26	
03 15 19 00-0014	EA		3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	62.43	
			For Galvanized, Add	24.80	
			For Stainless Steel, Add	173.60	
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-2.52	
			For >100, Deduct	-5.05	
03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.49	
			For Galvanized, Add	18.02	
			For Stainless Steel, Add	126.14	
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-2.05	
			For >100, Deduct	-4.09	
03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	56.23	
			For Galvanized, Add	21.58	
			For Stainless Steel, Add	151.03	
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-2.39	
			For >100, Deduct	-4.77	
03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	72.78	
			For Galvanized, Add	28.76	
			For Stainless Steel, Add	201.32	
			For >10 To 50, Deduct	-0.76	
			For >50 To 100, Deduct	-2.96	
			For >100, Deduct	-5.93	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)					
03 15 19 00-0019	EA		1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.69	
			For Galvanized, Add	23.31	
			For Stainless Steel, Add	163.14	
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-2.47	
			For >100, Deduct	-4.95	
03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	71.35	
			For Galvanized, Add	28.05	
			For Stainless Steel, Add	196.32	
			For >10 To 50, Deduct	-0.76	
			For >50 To 100, Deduct	-2.93	
			For >100, Deduct	-5.86	
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	88.63	
			For Galvanized, Add	35.16	
			For Stainless Steel, Add	246.12	
			For >10 To 50, Deduct	-0.92	
			For >50 To 100, Deduct	-3.59	
			For >100, Deduct	-7.18	



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	108.81	
			For Galvanized, Add	42.96	
			For Stainless Steel, Add	300.72	
			For >10 To 50, Deduct	-1.14	
			For >50 To 100, Deduct	-4.44	
			For >100, Deduct	-8.87	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	72.63	
			For Galvanized, Add	29.14	
			For Stainless Steel, Add	203.95	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-2.89	
			For >100, Deduct	-5.79	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	86.88	
			For Galvanized, Add	35.07	
			For Stainless Steel, Add	245.46	
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-3.43	
			For >100, Deduct	-6.86	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	108.01	
			For Galvanized, Add	43.96	
			For Stainless Steel, Add	307.69	
			For >10 To 50, Deduct	-1.01	
			For >50 To 100, Deduct	-4.21	
			For >100, Deduct	-8.42	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	132.53	
			For Galvanized, Add	53.70	
			For Stainless Steel, Add	375.90	
			For >10 To 50, Deduct	-1.26	
			For >50 To 100, Deduct	-5.20	
			For >100, Deduct	-10.40	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter (03 15 19 00-0002)	88.74	
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	88.74	
			For Galvanized, Add	36.42	
			For Stainless Steel, Add	254.91	
			For >10 To 50, Deduct	-0.80	
			For >50 To 100, Deduct	-3.41	
			For >100, Deduct	-6.82	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	106.22	
			For Galvanized, Add	43.84	
			For Stainless Steel, Add	306.85	
			For >10 To 50, Deduct	-0.93	
			For >50 To 100, Deduct	-4.05	
			For >100, Deduct	-8.09	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	132.18	
			For Galvanized, Add	54.96	
			For Stainless Steel, Add	384.69	
			For >10 To 50, Deduct	-1.11	
			For >50 To 100, Deduct	-4.97	
			For >100, Deduct	-9.95	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	162.06	
			For Galvanized, Add	67.12	
			For Stainless Steel, Add	469.81	
			For >10 To 50, Deduct	-1.39	
			For >50 To 100, Deduct	-6.14	
			For >100, Deduct	-12.28	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	108.88	
			For Galvanized, Add	45.52	
			For Stainless Steel, Add	318.64	
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-4.06	
			For >100, Deduct	-8.12	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	130.39	
			For Galvanized, Add	54.79	
			For Stainless Steel, Add	383.53	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-4.82	
			For >100, Deduct	-9.64	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	162.39	
			For Galvanized, Add	68.71	
			For Stainless Steel, Add	480.94	
			For >10 To 50, Deduct	-1.25	
			For >50 To 100, Deduct	-5.93	
			For >100, Deduct	-11.87	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	199.02	
			For Galvanized, Add	83.91	
			For Stainless Steel, Add	587.34	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-7.32	
			For >100, Deduct	-14.63	

03 15 19 00-0036 L-Type Anchor Bolts (03 15 19 00-0001)
See CSI section 03 11 13 00-0002 for template.

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
03 15 19 00-0037 3/4" And 7/8" Diameter (03 15 19 00-0036)					
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	30.33		
		For Galvanized, Add	10.08		
		For Stainless Steel, Add	70.53		
		For >10 To 50, Deduct	-0.51		
		For >50 To 100, Deduct	-1.52		
		For >100, Deduct	-3.04		
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.34		
		For Galvanized, Add	12.45		
		For Stainless Steel, Add	87.12		
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.77		
		For >100, Deduct	-3.53		
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.62		
		For Galvanized, Add	14.27		
		For Stainless Steel, Add	99.89		
		For >10 To 50, Deduct	-0.65		
		For >50 To 100, Deduct	-2.02		
		For >100, Deduct	-4.04		
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.90		
		For Galvanized, Add	14.82		
		For Stainless Steel, Add	103.74		
		For >10 To 50, Deduct	-0.76		
		For >50 To 100, Deduct	-2.27		
		For >100, Deduct	-4.53		
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.41		
		For Galvanized, Add	15.55		
		For Stainless Steel, Add	108.85		
		For >10 To 50, Deduct	-0.92		
		For >50 To 100, Deduct	-2.61		
		For >100, Deduct	-5.22		
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.44		
		For Galvanized, Add	12.50		
		For Stainless Steel, Add	87.47		
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.77		
		For >100, Deduct	-3.54		
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.19		
		For Galvanized, Add	14.56		
		For Stainless Steel, Add	101.89		
		For >10 To 50, Deduct	-0.65		
		For >50 To 100, Deduct	-2.04		
		For >100, Deduct	-4.07		
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.64		
		For Galvanized, Add	16.69		
		For Stainless Steel, Add	116.83		
		For >10 To 50, Deduct	-0.76		
		For >50 To 100, Deduct	-2.36		
		For >100, Deduct	-4.72		
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.97		
		For Galvanized, Add	17.33		
		For Stainless Steel, Add	121.31		
		For >10 To 50, Deduct	-0.92		
		For >50 To 100, Deduct	-2.70		
		For >100, Deduct	-5.40		
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.31		
		For Galvanized, Add	18.21		
		For Stainless Steel, Add	127.47		
		For >10 To 50, Deduct	-1.14		
		For >50 To 100, Deduct	-3.20		
		For >100, Deduct	-6.40		
03 15 19 00-0048 1" And 1-1/8" Diameter (03 15 19 00-0036)					
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.13		
		For Galvanized, Add	16.03		
		For Stainless Steel, Add	112.18		
		For >10 To 50, Deduct	-0.65		
		For >50 To 100, Deduct	-2.11		
		For >100, Deduct	-4.22		
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.30		
		For Galvanized, Add	18.02		
		For Stainless Steel, Add	126.14		
		For >10 To 50, Deduct	-0.76		
		For >50 To 100, Deduct	-2.43		
		For >100, Deduct	-4.85		
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.61		
		For Galvanized, Add	20.15		
		For Stainless Steel, Add	141.05		
		For >10 To 50, Deduct	-0.92		
		For >50 To 100, Deduct	-2.84		
		For >100, Deduct	-5.68		



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	62.10	
			For Galvanized, Add	21.10	
			For Stainless Steel, Add	147.70	
			For >10 To 50, Deduct	-1.00	
			For >50 To 100, Deduct	-3.05	
			For >100, Deduct	-6.09	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	67.08	
			For Galvanized, Add	22.10	
			For Stainless Steel, Add	154.67	
			For >10 To 50, Deduct	-1.14	
			For >50 To 100, Deduct	-3.39	
			For >100, Deduct	-6.79	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	76.64	
			For Galvanized, Add	25.61	
			For Stainless Steel, Add	179.24	
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-3.82	
			For >100, Deduct	-7.65	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	90.45	
			For Galvanized, Add	29.97	
			For Stainless Steel, Add	209.76	
			For >10 To 50, Deduct	-1.53	
			For >50 To 100, Deduct	-4.55	
			For >100, Deduct	-9.10	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	57.41	
			For Galvanized, Add	21.08	
			For Stainless Steel, Add	147.53	
			For >10 To 50, Deduct	-0.76	
			For >50 To 100, Deduct	-2.58	
			For >100, Deduct	-5.16	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	65.49	
			For Galvanized, Add	23.59	
			For Stainless Steel, Add	165.13	
			For >10 To 50, Deduct	-0.92	
			For >50 To 100, Deduct	-3.01	
			For >100, Deduct	-6.02	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	69.26	
			For Galvanized, Add	24.68	
			For Stainless Steel, Add	172.76	
			For >10 To 50, Deduct	-1.00	
			For >50 To 100, Deduct	-3.22	
			For >100, Deduct	-6.45	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter (03 15 19 00-0036).....		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	69.28	
			For Galvanized, Add	25.49	
			For Stainless Steel, Add	178.40	
			For >10 To 50, Deduct	-0.92	
			For >50 To 100, Deduct	-3.11	
			For >100, Deduct	-6.21	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	82.54	
			For Galvanized, Add	29.83	
			For Stainless Steel, Add	208.78	
			For >10 To 50, Deduct	-1.14	
			For >50 To 100, Deduct	-3.78	
			For >100, Deduct	-7.56	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	91.66	
			For Galvanized, Add	33.79	
			For Stainless Steel, Add	236.50	
			For >10 To 50, Deduct	-1.20	
			For >50 To 100, Deduct	-4.10	
			For >100, Deduct	-8.20	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	101.72	
			For Galvanized, Add	38.15	
			For Stainless Steel, Add	267.02	
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-4.45	
			For >100, Deduct	-8.90	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	111.59	
			For Galvanized, Add	41.49	
			For Stainless Steel, Add	290.43	
			For >10 To 50, Deduct	-1.43	
			For >50 To 100, Deduct	-4.94	
			For >100, Deduct	-9.87	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	121.56	
			For Galvanized, Add	44.43	
			For Stainless Steel, Add	311.01	
			For >10 To 50, Deduct	-1.64	
			For >50 To 100, Deduct	-5.49	
			For >100, Deduct	-10.98	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	133.27	
			For Galvanized, Add	47.56	
			For Stainless Steel, Add	332.92	
			For >10 To 50, Deduct	-1.91	
			For >50 To 100, Deduct	-6.19	
			For >100, Deduct	-12.39	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	150.95	
			For Galvanized, Add	52.59	
			For Stainless Steel, Add	368.10	
			For >10 To 50, Deduct	-2.29	
			For >50 To 100, Deduct	-7.21	
			For >100, Deduct	-14.41	
03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	82.04	
			For Galvanized, Add	31.87	
			For Stainless Steel, Add	223.06	
			For >10 To 50, Deduct	-0.92	
			For >50 To 100, Deduct	-3.42	
			For >100, Deduct	-6.85	
03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.48	
			For Galvanized, Add	37.30	
			For Stainless Steel, Add	261.07	
			For >10 To 50, Deduct	-1.14	
			For >50 To 100, Deduct	-4.15	
			For >100, Deduct	-8.31	
03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	108.54	
			For Galvanized, Add	42.23	
			For Stainless Steel, Add	295.58	
			For >10 To 50, Deduct	-1.20	
			For >50 To 100, Deduct	-4.52	
			For >100, Deduct	-9.04	
03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	120.78	
			For Galvanized, Add	47.68	
			For Stainless Steel, Add	333.73	
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-4.93	
			For >100, Deduct	-9.85	
03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	132.36	
			For Galvanized, Add	51.88	
			For Stainless Steel, Add	363.13	
			For >10 To 50, Deduct	-1.43	
			For >50 To 100, Deduct	-5.45	
			For >100, Deduct	-10.91	
03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	143.80	
			For Galvanized, Add	55.55	
			For Stainless Steel, Add	388.85	
			For >10 To 50, Deduct	-1.64	
			For >50 To 100, Deduct	-6.05	
			For >100, Deduct	-12.10	
03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	158.02	
			For Galvanized, Add	59.94	
			For Stainless Steel, Add	419.55	
			For >10 To 50, Deduct	-1.91	
			For >50 To 100, Deduct	-6.81	
			For >100, Deduct	-13.62	
03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	177.26	
			For Galvanized, Add	65.74	
			For Stainless Steel, Add	460.18	
			For >10 To 50, Deduct	-2.29	
			For >50 To 100, Deduct	-7.87	
			For >100, Deduct	-15.73	
03 15 19 00-0076			1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)		
03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	109.15	
			For Galvanized, Add	44.17	
			For Stainless Steel, Add	309.19	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-4.29	
			For >100, Deduct	-8.58	
03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	116.74	
			For Galvanized, Add	46.33	
			For Stainless Steel, Add	324.28	
			For >10 To 50, Deduct	-1.20	
			For >50 To 100, Deduct	-4.73	
			For >100, Deduct	-9.45	
03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	128.87	
			For Galvanized, Add	50.97	
			For Stainless Steel, Add	356.79	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-5.24	
			For >100, Deduct	-10.48	



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	139.99	
		For Galvanized, Add	55.69	
		For Stainless Steel, Add	389.83	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-5.65	
		For >100, Deduct	-11.29	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	151.34	
		For Galvanized, Add	60.41	
		For Stainless Steel, Add	422.87	
		For >10 To 50, Deduct	-1.53	
		For >50 To 100, Deduct	-6.07	
		For >100, Deduct	-12.15	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	165.14	
		For Galvanized, Add	64.96	
		For Stainless Steel, Add	454.72	
		For >10 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-6.77	
		For >100, Deduct	-13.54	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	182.16	
		For Galvanized, Add	70.27	
		For Stainless Steel, Add	491.89	
		For >10 To 50, Deduct	-2.08	
		For >50 To 100, Deduct	-7.68	
		For >100, Deduct	-15.35	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	206.73	
		For Galvanized, Add	77.93	
		For Stainless Steel, Add	545.51	
		For >10 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-8.98	
		For >100, Deduct	-17.97	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	155.80	
		For Galvanized, Add	66.46	
		For Stainless Steel, Add	465.19	
		For >10 To 50, Deduct	-1.14	
		For >50 To 100, Deduct	-5.61	
		For >100, Deduct	-11.22	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	161.23	
		For Galvanized, Add	67.90	
		For Stainless Steel, Add	475.30	
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-5.94	
		For >100, Deduct	-11.88	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	164.91	
		For Galvanized, Add	68.99	
		For Stainless Steel, Add	482.93	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-6.14	
		For >100, Deduct	-12.29	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	187.98	
		For Galvanized, Add	79.69	
		For Stainless Steel, Add	557.80	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-6.85	
		For >100, Deduct	-13.69	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	216.67	
		For Galvanized, Add	91.99	
		For Stainless Steel, Add	643.90	
		For >10 To 50, Deduct	-1.64	
		For >50 To 100, Deduct	-7.87	
		For >100, Deduct	-15.74	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	224.54	
		For Galvanized, Add	93.20	
		For Stainless Steel, Add	652.37	
		For >10 To 50, Deduct	-1.91	
		For >50 To 100, Deduct	-8.47	
		For >100, Deduct	-16.95	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	247.06	
		For Galvanized, Add	100.64	
		For Stainless Steel, Add	704.48	
		For >10 To 50, Deduct	-2.29	
		For >50 To 100, Deduct	-9.61	
		For >100, Deduct	-19.22	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	274.01	
		For Galvanized, Add	108.40	
		For Stainless Steel, Add	758.77	
		For >10 To 50, Deduct	-2.86	
		For >50 To 100, Deduct	-11.14	
		For >100, Deduct	-22.28	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	229.25	
		For Galvanized, Add	101.16	
		For Stainless Steel, Add	708.12	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-7.75	
		For >100, Deduct	-15.50	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	249.25	
			For Galvanized, Add	109.37	
			For Stainless Steel, Add	765.56	
			For >10 To 50, Deduct	-1.53	
			For >50 To 100, Deduct	-8.52	
			For >100, Deduct	-17.04	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	273.63	
			For Galvanized, Add	119.21	
			For Stainless Steel, Add	834.44	
			For >10 To 50, Deduct	-1.76	
			For >50 To 100, Deduct	-9.48	
			For >100, Deduct	-18.96	
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	294.11	
			For Galvanized, Add	126.25	
			For Stainless Steel, Add	883.72	
			For >10 To 50, Deduct	-2.08	
			For >50 To 100, Deduct	-10.47	
			For >100, Deduct	-20.95	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	317.09	
			For Galvanized, Add	135.66	
			For Stainless Steel, Add	949.59	
			For >10 To 50, Deduct	-2.29	
			For >50 To 100, Deduct	-11.36	
			For >100, Deduct	-22.72	
03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	340.58	
			For Galvanized, Add	144.86	
			For Stainless Steel, Add	1,013.99	
			For >10 To 50, Deduct	-2.54	
			For >50 To 100, Deduct	-12.33	
			For >100, Deduct	-24.66	
03 15 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	376.54	
			For Galvanized, Add	155.57	
			For Stainless Steel, Add	1,088.99	
			For >10 To 50, Deduct	-3.27	
			For >50 To 100, Deduct	-14.32	
			For >100, Deduct	-28.64	
03 15 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	407.46	
			For Galvanized, Add	171.03	
			For Stainless Steel, Add	1,197.21	
			For >10 To 50, Deduct	-3.27	
			For >50 To 100, Deduct	-15.09	
			For >100, Deduct	-30.18	
03 15 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	456.53	
			For Galvanized, Add	190.12	
			For Stainless Steel, Add	1,330.81	
			For >10 To 50, Deduct	-3.82	
			For >50 To 100, Deduct	-17.14	
			For >100, Deduct	-34.27	
03 15 19 00-0102			2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)		
03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	476.43	
			For Galvanized, Add	224.75	
			For Stainless Steel, Add	1,573.25	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-13.93	
			For >100, Deduct	-27.86	
03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	500.37	
			For Galvanized, Add	234.93	
			For Stainless Steel, Add	1,644.48	
			For >10 To 50, Deduct	-1.53	
			For >50 To 100, Deduct	-14.80	
			For >100, Deduct	-29.60	
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	544.75	
			For Galvanized, Add	254.77	
			For Stainless Steel, Add	1,783.36	
			For >10 To 50, Deduct	-1.76	
			For >50 To 100, Deduct	-16.26	
			For >100, Deduct	-32.52	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	578.61	
			For Galvanized, Add	268.50	
			For Stainless Steel, Add	1,879.47	
			For >10 To 50, Deduct	-2.08	
			For >50 To 100, Deduct	-17.59	
			For >100, Deduct	-35.17	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	611.55	
			For Galvanized, Add	282.89	
			For Stainless Steel, Add	1,980.20	
			For >10 To 50, Deduct	-2.29	
			For >50 To 100, Deduct	-18.72	
			For >100, Deduct	-37.44	



		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0108 EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	648.88	
For Galvanized, Add	299.01	
For Stainless Steel, Add	2,093.04	
For >10 To 50, Deduct	-2.54	
For >50 To 100, Deduct	-20.04	
For >100, Deduct	-40.07	
03 15 19 00-0109 EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	696.41	
For Galvanized, Add	315.51	
For Stainless Steel, Add	2,208.54	
For >10 To 50, Deduct	-3.27	
For >50 To 100, Deduct	-22.32	
For >100, Deduct	-44.63	
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	537.48	
For Galvanized, Add	254.44	
For Stainless Steel, Add	1,781.05	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-15.58	
For >100, Deduct	-31.17	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	577.04	
For Galvanized, Add	272.17	
For Stainless Steel, Add	1,905.19	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-16.88	
For >100, Deduct	-33.76	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	618.28	
For Galvanized, Add	290.07	
For Stainless Steel, Add	2,030.46	
For >10 To 50, Deduct	-1.91	
For >50 To 100, Deduct	-18.32	
For >100, Deduct	-36.64	
03 15 19 00-0113 EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	658.16	
For Galvanized, Add	306.19	
For Stainless Steel, Add	2,143.33	
For >10 To 50, Deduct	-2.29	
For >50 To 100, Deduct	-19.89	
For >100, Deduct	-39.78	
03 15 19 00-0114 EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	698.48	
For Galvanized, Add	323.81	
For Stainless Steel, Add	2,266.64	
For >10 To 50, Deduct	-2.54	
For >50 To 100, Deduct	-21.28	
For >100, Deduct	-42.55	
03 15 19 00-0115 EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	754.85	
For Galvanized, Add	348.82	
For Stainless Steel, Add	2,441.71	
For >10 To 50, Deduct	-2.86	
For >50 To 100, Deduct	-23.16	
For >100, Deduct	-46.33	
03 15 19 00-0116 EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	812.29	
For Galvanized, Add	368.00	
For Stainless Steel, Add	2,575.97	
For >10 To 50, Deduct	-3.82	
For >50 To 100, Deduct	-26.03	
For >100, Deduct	-52.06	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Lb./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.81	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.37	
For Up To 100, Add	0.95	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.05	
For Up To 100, Add	1.44	
For >100 To 200, Add	0.77	
For >200 To 500, Add	0.31	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.84	
For Up To 100, Add	2.04	
For >100 To 200, Add	1.09	
For >200 To 500, Add	0.43	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	0.82	
		For Up To 100, Add		0.56	
		For >100 To 200, Add		0.30	
		For >200 To 500, Add		0.12	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	1.40	
		For Up To 100, Add		0.98	
		For >100 To 200, Add		0.53	
		For >200 To 500, Add		0.21	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	2.10	
		For Up To 100, Add		1.49	
		For >100 To 200, Add		0.80	
		For >200 To 500, Add		0.32	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	2.92	
		For Up To 100, Add		2.12	
		For >100 To 200, Add		1.13	
		For >200 To 500, Add		0.45	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	0.85	
		For Up To 100, Add		0.59	
		For >100 To 200, Add		0.32	
		For >200 To 500, Add		0.13	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	1.45	
		For Up To 100, Add		1.03	
		For >100 To 200, Add		0.55	
		For >200 To 500, Add		0.22	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	2.18	
		For Up To 100, Add		1.57	
		For >100 To 200, Add		0.84	
		For >200 To 500, Add		0.34	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	3.03	
		For Up To 100, Add		2.23	
		For >100 To 200, Add		1.18	
		For >200 To 500, Add		0.47	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	3.94	
		For Up To 100, Add		2.30	
		For >100 To 200, Add		1.33	
		For >200 To 400, Add		0.62	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	4.93	
		For Up To 100, Add		2.93	
		For >100 To 200, Add		1.68	
		For >200 To 400, Add		0.79	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	6.08	
		For Up To 100, Add		3.66	
		For >100 To 200, Add		2.09	
		For >200 To 400, Add		0.99	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	7.47	
		For Up To 100, Add		3.69	
		For >100 To 200, Add		1.98	
		For >200 To 300, Add		0.99	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	8.92	
		For Up To 100, Add		4.47	
		For >100 To 200, Add		2.38	
		For >200 To 300, Add		1.19	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	12.42	
		For Up To 100, Add		6.31	
		For >100 To 200, Add		3.34	
		For >200 To 300, Add		1.67	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	21.33	
		For Up To 100, Add		10.99	
		For >100 To 200, Add		5.80	
		For >200 To 300, Add		2.90	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	3.14	
		For Up To 100, Add		2.34	
		For >100 To 200, Add		1.24	
		For >200 To 500, Add		0.49	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	4.09	
		For Up To 100, Add		2.41	
		For >100 To 200, Add		1.39	
		For >200 To 400, Add		0.65	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	5.13	
		For Up To 100, Add		3.08	
		For >100 To 200, Add		1.76	
		For >200 To 400, Add		0.83	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	6.34	
		For Up To 100, Add		3.85	
		For >100 To 200, Add		2.20	
		For >200 To 400, Add		1.04	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	7.79	
		For Up To 100, Add		3.89	
		For >100 To 200, Add		2.07	
		For >200 To 300, Add		1.04	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	9.32	
		For Up To 100, Add		4.71	
		For >100 To 200, Add		2.50	
		For >200 To 300, Add		1.25	



	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0027	LF		#14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	12.99	
			For Up To 100, Add	6.65	
			For >100 To 200, Add	3.52	
			For >200 To 300, Add	1.76	
03 21 11 00-0028	LF		#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	22.34	
			For Up To 100, Add	11.59	
			For >100 To 200, Add	6.10	
			For >200 To 300, Add	3.05	
03 21 11 00-0029	LF		#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.87	
			For Up To 100, Add	0.61	
			For >100 To 200, Add	0.33	
			For >200 To 500, Add	0.13	
03 21 11 00-0030	LF		#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.49	
			For Up To 100, Add	1.07	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0031	LF		#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.24	
			For Up To 100, Add	1.63	
			For >100 To 200, Add	0.87	
			For >200 To 500, Add	0.35	
03 21 11 00-0032	LF		#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.11	
			For Up To 100, Add	2.31	
			For >100 To 200, Add	1.22	
			For >200 To 500, Add	0.49	
03 21 11 00-0033	LF		#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.05	
			For Up To 100, Add	2.38	
			For >100 To 200, Add	1.37	
			For >200 To 400, Add	0.65	
03 21 11 00-0034	LF		#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.08	
			For Up To 100, Add	3.04	
			For >100 To 200, Add	1.74	
			For >200 To 400, Add	0.82	
03 21 11 00-0035	LF		#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.27	
			For Up To 100, Add	3.80	
			For >100 To 200, Add	2.17	
			For >200 To 400, Add	1.03	
03 21 11 00-0036	LF		#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.71	
			For Up To 100, Add	3.84	
			For >100 To 200, Add	2.05	
			For >200 To 300, Add	1.03	
03 21 11 00-0037	LF		#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.22	
			For Up To 100, Add	4.65	
			For >100 To 200, Add	2.47	
			For >200 To 300, Add	1.24	
03 21 11 00-0038	LF		#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.85	
			For Up To 100, Add	6.56	
			For >100 To 200, Add	3.47	
			For >200 To 300, Add	1.74	
03 21 11 00-0039	LF		#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	22.09	
			For Up To 100, Add	11.44	
			For >100 To 200, Add	6.02	
			For >200 To 300, Add	3.01	
03 21 11 00-0040	Columns, Steel Reinforcement Bar (03 21 11)				
	Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.				
03 21 11 00-0041	LF		#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.84	
			For Up To 100, Add	0.56	
			For >100 To 200, Add	0.31	
			For >200 To 500, Add	0.12	
03 21 11 00-0042	LF		#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.44	
			For Up To 100, Add	0.98	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21 11 00-0043	LF		#5, Grade 40, Columns, Steel Reinforcement Bar.....	2.14	
			For Up To 100, Add	1.48	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21 11 00-0044	LF		#6, Grade 40, Columns, Steel Reinforcement Bar.....	2.97	
			For Up To 100, Add	2.09	
			For >100 To 200, Add	1.12	
			For >200 To 500, Add	0.45	
03 21 11 00-0045	LF		#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.85	
			For Up To 100, Add	0.57	
			For >100 To 200, Add	0.31	
			For >200 To 500, Add	0.12	
03 21 11 00-0046	LF		#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.47	
			For Up To 100, Add	1.01	
			For >100 To 200, Add	0.54	
			For >200 To 500, Add	0.22	
03 21 11 00-0047	LF		#5, Grade 50, Columns, Steel Reinforcement Bar.....	2.19	
			For Up To 100, Add	1.53	
			For >100 To 200, Add	0.82	
			For >200 To 500, Add	0.33	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	.....	3.05	
		For Up To 100, Add		2.17	
		For >100 To 200, Add		1.16	
		For >200 To 500, Add		0.46	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	.....	0.88	
		For Up To 100, Add		0.60	
		For >100 To 200, Add		0.33	
		For >200 To 500, Add		0.13	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	.....	1.52	
		For Up To 100, Add		1.06	
		For >100 To 200, Add		0.57	
		For >200 To 500, Add		0.23	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	.....	2.27	
		For Up To 100, Add		1.61	
		For >100 To 200, Add		0.86	
		For >200 To 500, Add		0.34	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	.....	3.16	
		For Up To 100, Add		2.28	
		For >100 To 200, Add		1.21	
		For >200 To 500, Add		0.49	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	.....	4.11	
		For Up To 100, Add		2.36	
		For >100 To 200, Add		1.37	
		For >200 To 400, Add		0.64	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	.....	5.12	
		For Up To 100, Add		2.99	
		For >100 To 200, Add		1.73	
		For >200 To 400, Add		0.81	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	.....	6.30	
		For Up To 100, Add		3.73	
		For >100 To 200, Add		2.15	
		For >200 To 400, Add		1.01	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	.....	7.72	
		For Up To 100, Add		3.77	
		For >100 To 200, Add		2.03	
		For >200 To 300, Add		1.01	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	.....	9.21	
		For Up To 100, Add		4.55	
		For >100 To 200, Add		2.44	
		For >200 To 300, Add		1.22	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	.....	12.81	
		For Up To 100, Add		6.42	
		For >100 To 200, Add		3.42	
		For >200 To 300, Add		1.71	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	.....	21.93	
		For Up To 100, Add		11.17	
		For >100 To 200, Add		5.92	
		For >200 To 300, Add		2.96	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	.....	3.27	
		For Up To 100, Add		2.39	
		For >100 To 200, Add		1.27	
		For >200 To 500, Add		0.51	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	.....	4.26	
		For Up To 100, Add		2.47	
		For >100 To 200, Add		1.43	
		For >200 To 400, Add		0.67	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	.....	5.32	
		For Up To 100, Add		3.14	
		For >100 To 200, Add		1.81	
		For >200 To 400, Add		0.85	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	.....	6.56	
		For Up To 100, Add		3.93	
		For >100 To 200, Add		2.25	
		For >200 To 400, Add		1.06	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	.....	8.04	
		For Up To 100, Add		3.96	
		For >100 To 200, Add		2.12	
		For >200 To 300, Add		1.06	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	.....	9.61	
		For Up To 100, Add		4.79	
		For >100 To 200, Add		2.56	
		For >200 To 300, Add		1.28	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	.....	13.38	
		For Up To 100, Add		6.77	
		For >100 To 200, Add		3.59	
		For >200 To 300, Add		1.80	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	.....	22.94	
		For Up To 100, Add		11.77	
		For >100 To 200, Add		6.22	
		For >200 To 300, Add		3.11	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	0.90	
		For Up To 100, Add		0.62	
		For >100 To 200, Add		0.34	
		For >200 To 500, Add		0.13	



Concrete		03	03
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	1.56	
		For Up To 100, Add		1.10	
		For >100 To 200, Add		0.59	
		For >200 To 500, Add		0.24	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	2.33	
		For Up To 100, Add		1.67	
		For >100 To 200, Add		0.89	
		For >200 To 500, Add		0.36	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	3.24	
		For Up To 100, Add		2.36	
		For >100 To 200, Add		1.25	
		For >200 To 500, Add		0.50	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	4.22	
		For Up To 100, Add		2.44	
		For >100 To 200, Add		1.42	
		For >200 To 400, Add		0.66	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	5.27	
		For Up To 100, Add		3.10	
		For >100 To 200, Add		1.79	
		For >200 To 400, Add		0.84	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	6.49	
		For Up To 100, Add		3.88	
		For >100 To 200, Add		2.22	
		For >200 To 400, Add		1.05	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	7.96	
		For Up To 100, Add		3.91	
		For >100 To 200, Add		2.10	
		For >200 To 300, Add		1.05	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	9.51	
		For Up To 100, Add		4.73	
		For >100 To 200, Add		2.53	
		For >200 To 300, Add		1.26	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	13.24	
		For Up To 100, Add		6.68	
		For >100 To 200, Add		3.55	
		For >200 To 300, Add		1.78	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	.....	22.69	
		For Up To 100, Add		11.62	
		For >100 To 200, Add		6.14	
		For >200 To 300, Add		3.07	
03 21 11 00-0079	Footings, Steel Reinforcement Bar (03 21 11)				
	Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.				
03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	.....	0.74	
		For Up To 100, Add		0.52	
		For >100 To 200, Add		0.28	
		For >200 To 500, Add		0.11	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	.....	1.27	
		For Up To 100, Add		0.91	
		For >100 To 200, Add		0.49	
		For >200 To 500, Add		0.19	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	.....	1.90	
		For Up To 100, Add		1.38	
		For >100 To 200, Add		0.74	
		For >200 To 500, Add		0.29	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	.....	2.64	
		For Up To 100, Add		1.96	
		For >100 To 200, Add		1.04	
		For >200 To 500, Add		0.41	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	.....	0.75	
		For Up To 100, Add		0.53	
		For >100 To 200, Add		0.29	
		For >200 To 500, Add		0.11	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	.....	1.30	
		For Up To 100, Add		0.94	
		For >100 To 200, Add		0.50	
		For >200 To 500, Add		0.20	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	.....	1.95	
		For Up To 100, Add		1.43	
		For >100 To 200, Add		0.76	
		For >200 To 500, Add		0.30	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	.....	2.72	
		For Up To 100, Add		2.04	
		For >100 To 200, Add		1.08	
		For >200 To 500, Add		0.43	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	.....	0.78	
		For Up To 100, Add		0.56	
		For >100 To 200, Add		0.30	
		For >200 To 500, Add		0.12	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	.....	1.35	
		For Up To 100, Add		0.99	
		For >100 To 200, Add		0.53	
		For >200 To 500, Add		0.21	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	.....	2.03	
		For Up To 100, Add		1.51	
		For >100 To 200, Add		0.80	
		For >200 To 500, Add		0.32	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	.....	2.83	
		For Up To 100, Add		2.15	
		For >100 To 200, Add		1.13	
		For >200 To 500, Add		0.45	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	.....	3.70	
		For Up To 100, Add		2.22	
		For >100 To 200, Add		1.27	
		For >200 To 400, Add		0.60	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	.....	4.64	
		For Up To 100, Add		2.82	
		For >100 To 200, Add		1.61	
		For >200 To 400, Add		0.76	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	.....	5.74	
		For Up To 100, Add		3.54	
		For >100 To 200, Add		2.01	
		For >200 To 400, Add		0.96	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	.....	7.07	
		For Up To 100, Add		4.41	
		For >100 To 200, Add		2.49	
		For >200 To 400, Add		1.19	
		For Up To 100, Add		3.57	
		For >100 To 200, Add		1.90	
		For >200 To 300, Add		0.95	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	.....	8.48	
		For Up To 100, Add		5.36	
		For >100 To 200, Add		3.02	
		For >200 To 400, Add		1.45	
		For Up To 100, Add		4.34	
		For >100 To 200, Add		2.29	
		For >200 To 300, Add		1.15	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	.....	11.85	
		For Up To 100, Add		7.59	
		For >100 To 200, Add		4.25	
		For >200 To 400, Add		2.05	
		For Up To 100, Add		6.14	
		For >100 To 200, Add		3.23	
		For >200 To 300, Add		1.62	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	.....	20.41	
		For Up To 100, Add		13.26	
		For >100 To 200, Add		7.40	
		For >200 To 400, Add		3.57	
		For Up To 100, Add		10.71	
		For >100 To 200, Add		5.61	
		For >200 To 300, Add		2.81	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	.....	2.94	
		For Up To 100, Add		2.26	
		For >100 To 200, Add		1.19	
		For >200 To 500, Add		0.47	
		For Up To 100, Add		1.75	
		For >100 To 200, Add		1.01	
		For >200 To 400, Add		0.47	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	.....	3.85	
		For Up To 100, Add		2.33	
		For >100 To 200, Add		1.33	
		For >200 To 400, Add		0.63	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	.....	4.84	
		For Up To 100, Add		2.97	
		For >100 To 200, Add		1.69	
		For >200 To 400, Add		0.80	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	.....	6.00	
		For Up To 100, Add		3.73	
		For >100 To 200, Add		2.11	
		For >200 To 400, Add		1.01	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	.....	7.39	
		For Up To 100, Add		3.77	
		For >100 To 200, Add		1.99	
		For >200 To 300, Add		1.00	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	.....	8.88	
		For Up To 100, Add		4.58	
		For >100 To 200, Add		2.41	
		For >200 To 300, Add		1.21	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	.....	12.42	
		For Up To 100, Add		6.48	
		For >100 To 200, Add		3.40	
		For >200 To 300, Add		1.70	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	.....	21.42	
		For Up To 100, Add		11.32	
		For >100 To 200, Add		5.91	
		For >200 To 300, Add		2.96	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	0.80	
		For Up To 100, Add		0.58	
		For >100 To 200, Add		0.31	
		For >200 To 500, Add		0.12	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 21 11 00-0108	LF #4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		1.39	
	For Up To 100, Add	1.03		
	For >100 To 200, Add	0.55		
	For >200 To 500, Add	0.22		
03 21 11 00-0109	LF #5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		2.09	
	For Up To 100, Add	1.57		
	For >100 To 200, Add	0.83		
	For >200 To 500, Add	0.33		
03 21 11 00-0110	LF #6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		2.91	
	For Up To 100, Add	2.23		
	For >100 To 200, Add	1.17		
	For >200 To 500, Add	0.47		
03 21 11 00-0111	LF #7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		3.81	
	For Up To 100, Add	2.30		
	For >100 To 200, Add	1.31		
	For >200 To 400, Add	0.62		
03 21 11 00-0112	LF #8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		4.79	
	For Up To 100, Add	2.94		
	For >100 To 200, Add	1.67		
	For >200 To 400, Add	0.79		
03 21 11 00-0113	LF #9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		5.93	
	For Up To 100, Add	3.68		
	For >100 To 200, Add	2.08		
	For >200 To 400, Add	0.99		
03 21 11 00-0114	LF #10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		7.31	
	For Up To 100, Add	3.72		
	For >100 To 200, Add	1.97		
	For >200 To 300, Add	0.99		
03 21 11 00-0115	LF #11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		8.78	
	For Up To 100, Add	4.52		
	For >100 To 200, Add	2.38		
	For >200 To 300, Add	1.19		
03 21 11 00-0116	LF #14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		12.28	
	For Up To 100, Add	6.39		
	For >100 To 200, Add	3.36		
	For >200 To 300, Add	1.68		
03 21 11 00-0117	LF #18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar		21.17	
	For Up To 100, Add	11.17		
	For >100 To 200, Add	5.84		
	For >200 To 300, Add	2.92		
03 21 11 00-0118	Slab On Grade, Steel Reinforcement Bar (03 21 11)			
	Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0119	LF #3, Grade 40, Slab On Grade, Steel Reinforcement Bar		0.72	
	For Up To 100, Add	0.52		
	For >100 To 200, Add	0.28		
	For >200 To 500, Add	0.11		
03 21 11 00-0120	LF #4, Grade 40, Slab On Grade, Steel Reinforcement Bar		1.23	
	For Up To 100, Add	0.89		
	For >100 To 200, Add	0.48		
	For >200 To 500, Add	0.19		
03 21 11 00-0121	LF #5, Grade 40, Slab On Grade, Steel Reinforcement Bar		1.85	
	For Up To 100, Add	1.36		
	For >100 To 200, Add	0.72		
	For >200 To 500, Add	0.29		
03 21 11 00-0122	LF #6, Grade 40, Slab On Grade, Steel Reinforcement Bar		2.56	
	For Up To 100, Add	1.92		
	For >100 To 200, Add	1.02		
	For >200 To 500, Add	0.41		
03 21 11 00-0123	LF #3, Grade 50, Slab On Grade, Steel Reinforcement Bar		0.73	
	For Up To 100, Add	0.53		
	For >100 To 200, Add	0.28		
	For >200 To 500, Add	0.11		
03 21 11 00-0124	LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar		1.26	
	For Up To 100, Add	0.92		
	For >100 To 200, Add	0.49		
	For >200 To 500, Add	0.20		
03 21 11 00-0125	LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar		1.90	
	For Up To 100, Add	1.41		
	For >100 To 200, Add	0.75		
	For >200 To 500, Add	0.30		
03 21 11 00-0126	LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar		2.64	
	For Up To 100, Add	2.00		
	For >100 To 200, Add	1.06		
	For >200 To 500, Add	0.42		
03 21 11 00-0127	LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar		0.76	
	For Up To 100, Add	0.56		
	For >100 To 200, Add	0.30		
	For >200 To 500, Add	0.12		
03 21 11 00-0128	LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar		1.31	
	For Up To 100, Add	0.97		
	For >100 To 200, Add	0.52		
	For >200 To 500, Add	0.21		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	1.98	
		For Up To 100, Add		1.49	
		For >100 To 200, Add		0.79	
		For >200 To 500, Add		0.32	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	2.75	
		For Up To 100, Add		2.11	
		For >100 To 200, Add		1.11	
		For >200 To 500, Add		0.44	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	3.62	
		For Up To 100, Add		2.19	
		For >100 To 200, Add		1.25	
		For >200 To 400, Add		0.59	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	4.55	
		For Up To 100, Add		2.79	
		For >100 To 200, Add		1.59	
		For >200 To 400, Add		0.76	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	5.63	
		For Up To 100, Add		3.50	
		For >100 To 200, Add		1.98	
		For >200 To 400, Add		0.95	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	6.94	
		For Up To 100, Add		3.53	
		For >100 To 200, Add		1.87	
		For >200 To 300, Add		0.94	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	8.33	
		For Up To 100, Add		4.29	
		For >100 To 200, Add		2.26	
		For >200 To 300, Add		1.13	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	11.65	
		For Up To 100, Add		6.08	
		For >100 To 200, Add		3.19	
		For >200 To 300, Add		1.60	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	.....	20.12	
		For Up To 100, Add		10.62	
		For >100 To 200, Add		5.55	
		For >200 To 300, Add		2.78	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	2.86	
		For Up To 100, Add		2.22	
		For >100 To 200, Add		1.17	
		For >200 To 500, Add		0.47	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	3.77	
		For Up To 100, Add		2.30	
		For >100 To 200, Add		1.31	
		For >200 To 400, Add		0.62	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	4.75	
		For Up To 100, Add		2.94	
		For >100 To 200, Add		1.67	
		For >200 To 400, Add		0.80	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	5.89	
		For Up To 100, Add		3.69	
		For >100 To 200, Add		2.08	
		For >200 To 400, Add		1.00	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	7.26	
		For Up To 100, Add		3.73	
		For >100 To 200, Add		1.97	
		For >200 To 300, Add		0.98	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	8.73	
		For Up To 100, Add		4.53	
		For >100 To 200, Add		2.38	
		For >200 To 300, Add		1.19	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	12.22	
		For Up To 100, Add		6.42	
		For >100 To 200, Add		3.36	
		For >200 To 300, Add		1.68	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	21.13	
		For Up To 100, Add		11.23	
		For >100 To 200, Add		5.86	
		For >200 To 300, Add		2.93	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	0.78	
		For Up To 100, Add		0.58	
		For >100 To 200, Add		0.31	
		For >200 To 500, Add		0.12	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.35	
		For Up To 100, Add		1.01	
		For >100 To 200, Add		0.54	
		For >200 To 500, Add		0.21	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.04	
		For Up To 100, Add		1.55	
		For >100 To 200, Add		0.82	
		For >200 To 500, Add		0.33	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.83	
		For Up To 100, Add		2.19	
		For >100 To 200, Add		1.15	
		For >200 To 500, Add		0.46	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 21 11 00-0150	LF #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	3.73		
	For Up To 100, Add	2.27		
	For >100 To 200, Add	1.29		
	For >200 To 400, Add	0.61		
03 21 11 00-0151	LF #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	4.70		
	For Up To 100, Add	2.91		
	For >100 To 200, Add	1.65		
	For >200 To 400, Add	0.79		
03 21 11 00-0152	LF #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	5.82		
	For Up To 100, Add	3.64		
	For >100 To 200, Add	2.06		
	For >200 To 400, Add	0.98		
03 21 11 00-0153	LF #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	7.18		
	For Up To 100, Add	3.68		
	For >100 To 200, Add	1.94		
	For >200 To 300, Add	0.97		
03 21 11 00-0154	LF #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	8.63		
	For Up To 100, Add	4.47		
	For >100 To 200, Add	2.35		
	For >200 To 300, Add	1.18		
03 21 11 00-0155	LF #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	12.08		
	For Up To 100, Add	6.33		
	For >100 To 200, Add	3.32		
	For >200 To 300, Add	1.66		
03 21 11 00-0156	LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar.....	20.88		
	For Up To 100, Add	11.08		
	For >100 To 200, Add	5.78		
	For >200 To 300, Add	2.89		
03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)				
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.				
03 21 11 00-0158	LF #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	0.68		
	For Up To 100, Add	0.50		
	For >100 To 200, Add	0.27		
	For >200 To 500, Add	0.11		
03 21 11 00-0159	LF #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	1.16		
	For Up To 100, Add	0.87		
	For >100 To 200, Add	0.46		
	For >200 To 500, Add	0.18		
03 21 11 00-0160	LF #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	1.75		
	For Up To 100, Add	1.32		
	For >100 To 200, Add	0.70		
	For >200 To 500, Add	0.28		
03 21 11 00-0161	LF #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	2.43		
	For Up To 100, Add	1.87		
	For >100 To 200, Add	0.98		
	For >200 To 500, Add	0.39		
03 21 11 00-0162	LF #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	0.69		
	For Up To 100, Add	0.51		
	For >100 To 200, Add	0.27		
	For >200 To 500, Add	0.11		
03 21 11 00-0163	LF #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	1.19		
	For Up To 100, Add	0.90		
	For >100 To 200, Add	0.47		
	For >200 To 500, Add	0.19		
03 21 11 00-0164	LF #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	1.80		
	For Up To 100, Add	1.37		
	For >100 To 200, Add	0.72		
	For >200 To 500, Add	0.29		
03 21 11 00-0165	LF #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	2.51		
	For Up To 100, Add	1.95		
	For >100 To 200, Add	1.02		
	For >200 To 500, Add	0.41		
03 21 11 00-0166	LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	0.72		
	For Up To 100, Add	0.54		
	For >100 To 200, Add	0.29		
	For >200 To 500, Add	0.11		
03 21 11 00-0167	LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	1.24		
	For Up To 100, Add	0.95		
	For >100 To 200, Add	0.50		
	For >200 To 500, Add	0.20		
03 21 11 00-0168	LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	1.88		
	For Up To 100, Add	1.45		
	For >100 To 200, Add	0.76		
	For >200 To 500, Add	0.31		
03 21 11 00-0169	LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	2.62		
	For Up To 100, Add	2.06		
	For >100 To 200, Add	1.08		
	For >200 To 500, Add	0.43		
03 21 11 00-0170	LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	3.46		
	For Up To 100, Add	2.13		
	For >100 To 200, Add	1.21		
	For >200 To 400, Add	0.58		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	4.35	
		For Up To 100, Add		2.72	
		For >100 To 200, Add		1.54	
		For >200 To 400, Add		0.74	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	5.41	
		For Up To 100, Add		3.42	
		For >100 To 200, Add		1.93	
		For >200 To 400, Add		0.92	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	6.68	
		For Up To 100, Add		3.46	
		For >100 To 200, Add		1.82	
		For >200 To 300, Add		0.91	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	8.03	
		For Up To 100, Add		4.20	
		For >100 To 200, Add		2.20	
		For >200 To 300, Add		1.10	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	11.27	
		For Up To 100, Add		5.96	
		For >100 To 200, Add		3.11	
		For >200 To 300, Add		1.56	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	19.52	
		For Up To 100, Add		10.44	
		For >100 To 200, Add		5.43	
		For >200 To 300, Add		2.72	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	2.73	
		For Up To 100, Add		2.17	
		For >100 To 200, Add		1.13	
		For >200 To 500, Add		0.45	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	3.61	
		For Up To 100, Add		2.24	
		For >100 To 200, Add		1.27	
		For >200 To 400, Add		0.61	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	4.55	
		For Up To 100, Add		2.87	
		For >100 To 200, Add		1.62	
		For >200 To 400, Add		0.78	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	5.67	
		For Up To 100, Add		3.62	
		For >100 To 200, Add		2.03	
		For >200 To 400, Add		0.98	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	7.00	
		For Up To 100, Add		3.65	
		For >100 To 200, Add		1.92	
		For >200 To 300, Add		0.96	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	8.43	
		For Up To 100, Add		4.44	
		For >100 To 200, Add		2.32	
		For >200 To 300, Add		1.16	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	11.84	
		For Up To 100, Add		6.30	
		For >100 To 200, Add		3.29	
		For >200 To 300, Add		1.64	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	20.53	
		For Up To 100, Add		11.05	
		For >100 To 200, Add		5.74	
		For >200 To 300, Add		2.87	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	0.74	
		For Up To 100, Add		0.56	
		For >100 To 200, Add		0.30	
		For >200 To 500, Add		0.12	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	1.28	
		For Up To 100, Add		0.99	
		For >100 To 200, Add		0.52	
		For >200 To 500, Add		0.21	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	1.94	
		For Up To 100, Add		1.51	
		For >100 To 200, Add		0.79	
		For >200 To 500, Add		0.32	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	2.70	
		For Up To 100, Add		2.14	
		For >100 To 200, Add		1.12	
		For >200 To 500, Add		0.45	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	3.57	
		For Up To 100, Add		2.21	
		For >100 To 200, Add		1.25	
		For >200 To 400, Add		0.60	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	4.50	
		For Up To 100, Add		2.84	
		For >100 To 200, Add		1.60	
		For >200 To 400, Add		0.77	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	5.60	
		For Up To 100, Add		3.56	
		For >100 To 200, Add		2.00	
		For >200 To 400, Add		0.96	



Concrete		03	03
Concrete Reinforcing		03 20	
Reinforcement Bars		03 21	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	6.92	
		For Up To 100, Add	3.60	
		For >100 To 200, Add	1.89	
		For >200 To 300, Add	0.95	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	8.33	
		For Up To 100, Add	4.38	
		For >100 To 200, Add	2.29	
		For >200 To 300, Add	1.15	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	11.70	
		For Up To 100, Add	6.22	
		For >100 To 200, Add	3.24	
		For >200 To 300, Add	1.62	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	20.28	
		For Up To 100, Add	10.90	
		For >100 To 200, Add	5.66	
		For >200 To 300, Add	2.83	
03 21 11 00-0196		Walls, Steel Reinforcement Bar (03 21 11)		
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar.....	0.66	
		For Up To 100, Add	0.49	
		For >100 To 200, Add	0.26	
		For >200 To 500, Add	0.10	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar.....	1.12	
		For Up To 100, Add	0.85	
		For >100 To 200, Add	0.45	
		For >200 To 500, Add	0.18	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar.....	1.69	
		For Up To 100, Add	1.30	
		For >100 To 200, Add	0.68	
		For >200 To 500, Add	0.27	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar.....	2.36	
		For Up To 100, Add	1.84	
		For >100 To 200, Add	0.97	
		For >200 To 500, Add	0.39	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar.....	0.67	
		For Up To 100, Add	0.50	
		For >100 To 200, Add	0.27	
		For >200 To 500, Add	0.11	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar.....	1.15	
		For Up To 100, Add	0.88	
		For >100 To 200, Add	0.46	
		For >200 To 500, Add	0.19	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar.....	1.74	
		For Up To 100, Add	1.35	
		For >100 To 200, Add	0.71	
		For >200 To 500, Add	0.28	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar.....	2.44	
		For Up To 100, Add	1.92	
		For >100 To 200, Add	1.01	
		For >200 To 500, Add	0.40	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar.....	0.70	
		For Up To 100, Add	0.53	
		For >100 To 200, Add	0.28	
		For >200 To 500, Add	0.11	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar.....	1.20	
		For Up To 100, Add	0.93	
		For >100 To 200, Add	0.49	
		For >200 To 500, Add	0.20	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar.....	1.82	
		For Up To 100, Add	1.43	
		For >100 To 200, Add	0.75	
		For >200 To 500, Add	0.30	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar.....	2.55	
		For Up To 100, Add	2.03	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.42	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar.....	3.36	
		For Up To 100, Add	2.10	
		For >100 To 200, Add	1.19	
		For >200 To 400, Add	0.57	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar.....	4.26	
		For Up To 100, Add	2.69	
		For >100 To 200, Add	1.52	
		For >200 To 400, Add	0.73	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar.....	5.30	
		For Up To 100, Add	3.38	
		For >100 To 200, Add	1.90	
		For >200 To 400, Add	0.91	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar.....	6.55	
		For Up To 100, Add	3.42	
		For >100 To 200, Add	1.79	
		For >200 To 300, Add	0.90	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0213	LF		#11, Grade 60, Walls, Steel Reinforcement Bar	7.89	
			For Up To 100, Add	4.16	
			For >100 To 200, Add	2.18	
			For >200 To 300, Add	1.09	
03 21 11 00-0214	LF		#14, Grade 60, Walls, Steel Reinforcement Bar	11.08	
			For Up To 100, Add	5.90	
			For >100 To 200, Add	3.08	
			For >200 To 300, Add	1.54	
03 21 11 00-0215	LF		#18, Grade 60, Walls, Steel Reinforcement Bar	19.22	
			For Up To 100, Add	10.35	
			For >100 To 200, Add	5.37	
			For >200 To 300, Add	2.69	
03 21 11 00-0216	LF		#6, Grade 75, Walls, Steel Reinforcement Bar	2.66	
			For Up To 100, Add	2.14	
			For >100 To 200, Add	1.12	
			For >200 To 500, Add	0.45	
03 21 11 00-0217	LF		#7, Grade 75, Walls, Steel Reinforcement Bar	3.51	
			For Up To 100, Add	2.21	
			For >100 To 200, Add	1.25	
			For >200 To 400, Add	0.60	
03 21 11 00-0218	LF		#8, Grade 75, Walls, Steel Reinforcement Bar	4.46	
			For Up To 100, Add	2.84	
			For >100 To 200, Add	1.60	
			For >200 To 400, Add	0.77	
03 21 11 00-0219	LF		#9, Grade 75, Walls, Steel Reinforcement Bar	5.56	
			For Up To 100, Add	3.58	
			For >100 To 200, Add	2.00	
			For >200 To 400, Add	0.96	
03 21 11 00-0220	LF		#10, Grade 75, Walls, Steel Reinforcement Bar	6.87	
			For Up To 100, Add	3.61	
			For >100 To 200, Add	1.89	
			For >200 To 300, Add	0.95	
03 21 11 00-0221	LF		#11, Grade 75, Walls, Steel Reinforcement Bar	8.29	
			For Up To 100, Add	4.40	
			For >100 To 200, Add	2.30	
			For >200 To 300, Add	1.15	
03 21 11 00-0222	LF		#14, Grade 75, Walls, Steel Reinforcement Bar	11.65	
			For Up To 100, Add	6.25	
			For >100 To 200, Add	3.25	
			For >200 To 300, Add	1.62	
03 21 11 00-0223	LF		#18, Grade 75, Walls, Steel Reinforcement Bar	20.23	
			For Up To 100, Add	10.96	
			For >100 To 200, Add	5.68	
			For >200 To 300, Add	2.84	
03 21 11 00-0224	LF		#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.72	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.29	
			For >200 To 500, Add	0.12	
03 21 11 00-0225	LF		#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.24	
			For Up To 100, Add	0.97	
			For >100 To 200, Add	0.51	
			For >200 To 500, Add	0.20	
03 21 11 00-0226	LF		#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.88	
			For Up To 100, Add	1.49	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21 11 00-0227	LF		#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.63	
			For Up To 100, Add	2.11	
			For >100 To 200, Add	1.10	
			For >200 To 500, Add	0.44	
03 21 11 00-0228	LF		#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.47	
			For Up To 100, Add	2.18	
			For >100 To 200, Add	1.23	
			For >200 To 400, Add	0.59	
03 21 11 00-0229	LF		#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.41	
			For Up To 100, Add	2.80	
			For >100 To 200, Add	1.58	
			For >200 To 400, Add	0.76	
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.49	
			For Up To 100, Add	3.53	
			For >100 To 200, Add	1.97	
			For >200 To 400, Add	0.95	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.79	
			For Up To 100, Add	3.56	
			For >100 To 200, Add	1.87	
			For >200 To 300, Add	0.93	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.19	
			For Up To 100, Add	4.34	
			For >100 To 200, Add	2.27	
			For >200 To 300, Add	1.13	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.51	
			For Up To 100, Add	6.16	
			For >100 To 200, Add	3.21	
			For >200 To 300, Add	1.60	



Concrete			03	03
Concrete Reinforcing			03 20	
Reinforcement Bars			03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0234 LF #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	19.98 10.81 5.60 2.80	
03 21 11 00-0235 Mechanical Joint Connection (03 21 11)		
03 21 11 00-0236 Thermal Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0237 EA Thermal Type Mechanical Joint Connection, Add Per Splice	281.69	
03 21 11 00-0238 Screwed Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0239 EA Screwed Type Mechanical Joint Connection, Add Per Splice	152.79	
03 21 11 00-0240 Deformed Straight Dowels (03 21 11) Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.		
03 21 11 00-0241 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	3.21 -0.48 -0.24	
03 21 11 00-0242 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	3.89 -0.63 -0.32	
03 21 11 00-0243 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	4.92 -1.00 -0.50	
03 21 11 00-0244 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	6.15 -1.44 -0.72	
03 21 11 00-0245 EA 7/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	7.49 -2.00 -1.00	
03 21 11 00-0246 EA 1" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	9.48 -2.56 -1.28	
03 21 11 00-0247 EA 1-1/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	11.27 -3.16 -1.58	
03 21 11 00-0248 EA 1-1/4" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	14.01 -4.13 -2.07	
03 21 11 00-0249 EA 1-3/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	16.79 -5.10 -2.55	
03 21 11 00-0250 Spirals, Reinforcing Steel (03 21 11)		
03 21 11 00-0251 TON Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,595.25 133.22	
03 21 11 00-0252 TON >15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,551.59 133.22	
03 21 11 00-0253 TON >24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,518.30 133.22	
03 21 11 00-0254 TON >36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,463.83 133.22	
03 21 11 00-0255 TON >48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,390.19 133.22	
03 21 11 00-0256 TON >64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,361.03 136.49	
03 21 11 00-0257 TON >84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel For Grade 75, Add	3,299.38 136.49	
03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete (03 21 11)		
03 21 11 00-0259 EA Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	28.00	
03 21 11 00-0260 EA Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment.....	29.31	
03 21 11 00-0261 Accessories For Reinforcing Steel (03 21 11)		
03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice (03 21 11 00-0261)		
03 21 11 00-0263 EA Up To #6 Reinforcing Steel Lap-Weld Splice.....	70.27	
03 21 11 00-0264 EA >#6 Reinforcing Steel Lap-Weld Splice	113.34	
03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0261)		
03 21 11 00-0266 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	37.81	
03 21 11 00-0267 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	59.86	
03 21 11 00-0268 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	91.57	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.00	
	For Up To 100, Add	0.74	
	For >100 To 200, Add	0.39	
	For >200 To 500, Add	0.16	
03 21 13 00-0003	LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.71	
	For Up To 100, Add	1.29	
	For >100 To 200, Add	0.68	
	For >200 To 500, Add	0.27	
03 21 13 00-0004	LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.59	
	For Up To 100, Add	1.98	
	For >100 To 200, Add	1.04	
	For >200 To 500, Add	0.42	
03 21 13 00-0005	LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.61	
	For Up To 100, Add	2.81	
	For >100 To 200, Add	1.47	
	For >200 To 500, Add	0.59	
03 21 13 00-0006	LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.02	
	For Up To 100, Add	0.76	
	For >100 To 200, Add	0.40	
	For >200 To 500, Add	0.16	
03 21 13 00-0007	LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.74	
	For Up To 100, Add	1.32	
	For >100 To 200, Add	0.70	
	For >200 To 500, Add	0.28	
03 21 13 00-0008	LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.64	
	For Up To 100, Add	2.03	
	For >100 To 200, Add	1.07	
	For >200 To 500, Add	0.43	
03 21 13 00-0009	LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.68	
	For Up To 100, Add	2.88	
	For >100 To 200, Add	1.51	
	For >200 To 500, Add	0.60	
03 21 13 00-0010	LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
	For Up To 100, Add	0.78	
	For >100 To 200, Add	0.41	
	For >200 To 500, Add	0.17	
03 21 13 00-0011	LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.79	
	For Up To 100, Add	1.37	
	For >100 To 200, Add	0.72	
	For >200 To 500, Add	0.29	
03 21 13 00-0012	LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.72	
	For Up To 100, Add	2.11	
	For >100 To 200, Add	1.11	
	For >200 To 500, Add	0.44	
03 21 13 00-0013	LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.80	
	For Up To 100, Add	3.00	
	For >100 To 200, Add	1.57	
	For >200 To 500, Add	0.63	
03 21 13 00-0014	LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.98	
	For Up To 100, Add	3.08	
	For >100 To 200, Add	1.75	
	For >200 To 400, Add	0.83	
03 21 13 00-0015	LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.30	
	For Up To 100, Add	3.95	
	For >100 To 200, Add	2.23	
	For >200 To 400, Add	1.07	
03 21 13 00-0016	LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.82	
	For Up To 100, Add	4.96	
	For >100 To 200, Add	2.79	
	For >200 To 400, Add	1.34	
03 21 13 00-0017	LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.67	
	For Up To 100, Add	5.01	
	For >100 To 200, Add	2.64	
	For >200 To 300, Add	1.32	
03 21 13 00-0018	LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.64	
	For Up To 100, Add	6.10	
	For >100 To 200, Add	3.20	
	For >200 To 300, Add	1.60	
03 21 13 00-0019	LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	16.33	
	For Up To 100, Add	8.65	
	For >100 To 200, Add	4.52	
	For >200 To 300, Add	2.26	
03 21 13 00-0020	LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	28.28	
	For Up To 100, Add	15.16	
	For >100 To 200, Add	7.88	
	For >200 To 300, Add	3.94	
03 21 13 00-0021	LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.91	
	For Up To 100, Add	3.11	
	For >100 To 200, Add	1.62	
	For >200 To 500, Add	0.65	



	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	5.14	
		For Up To 100, Add		3.20	
		For >100 To 200, Add		1.81	
		For >200 To 400, Add		0.86	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	6.50	
		For Up To 100, Add		4.10	
		For >100 To 200, Add		2.31	
		For >200 To 400, Add		1.11	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	8.07	
		For Up To 100, Add		5.15	
		For >100 To 200, Add		2.89	
		For >200 To 400, Add		1.39	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	9.99	
		For Up To 100, Add		5.21	
		For >100 To 200, Add		2.73	
		For >200 To 300, Add		1.37	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	12.03	
		For Up To 100, Add		6.33	
		For >100 To 200, Add		3.31	
		For >200 To 300, Add		1.66	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	16.90	
		For Up To 100, Add		8.99	
		For >100 To 200, Add		4.69	
		For >200 To 300, Add		2.34	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	29.29	
		For Up To 100, Add		15.76	
		For >100 To 200, Add		8.18	
		For >200 To 300, Add		4.09	
03 21 13 00-0029	Columns, Galvanized Steel Reinforcement Bar (03 21 13)				
	Note: ASTM A-767 Hot Dipped Galvanized Steel.				
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	1.03	
		For Up To 100, Add		0.75	
		For >100 To 200, Add		0.40	
		For >200 To 500, Add		0.16	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	1.78	
		For Up To 100, Add		1.32	
		For >100 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	2.68	
		For Up To 100, Add		2.02	
		For >100 To 200, Add		1.07	
		For >200 To 500, Add		0.43	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	.....	3.74	
		For Up To 100, Add		2.86	
		For >100 To 200, Add		1.50	
		For >200 To 500, Add		0.60	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	1.05	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	1.81	
		For Up To 100, Add		1.35	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.29	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	2.73	
		For Up To 100, Add		2.07	
		For >100 To 200, Add		1.09	
		For >200 To 500, Add		0.44	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	.....	3.81	
		For Up To 100, Add		2.93	
		For >100 To 200, Add		1.54	
		For >200 To 500, Add		0.62	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	1.07	
		For Up To 100, Add		0.79	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	1.86	
		For Up To 100, Add		1.40	
		For >100 To 200, Add		0.74	
		For >200 To 500, Add		0.30	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	2.81	
		For Up To 100, Add		2.15	
		For >100 To 200, Add		1.13	
		For >200 To 500, Add		0.45	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	3.93	
		For Up To 100, Add		3.05	
		For >100 To 200, Add		1.60	
		For >200 To 500, Add		0.64	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	5.15	
		For Up To 100, Add		3.14	
		For >100 To 200, Add		1.79	
		For >200 To 400, Add		0.85	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	6.49	
		For Up To 100, Add		4.02	
		For >100 To 200, Add		2.28	
		For >200 To 400, Add		1.09	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	8.04	
		For Up To 100, Add		5.04	
		For >100 To 200, Add		2.84	
		For >200 To 400, Add		1.36	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	9.92	
		For Up To 100, Add		5.09	
		For >100 To 200, Add		2.69	
		For >200 To 300, Add		1.34	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	11.93	
		For Up To 100, Add		6.19	
		For >100 To 200, Add		3.26	
		For >200 To 300, Add		1.63	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	16.72	
		For Up To 100, Add		8.77	
		For >100 To 200, Add		4.60	
		For >200 To 300, Add		2.30	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	.....	28.88	
		For Up To 100, Add		15.34	
		For >100 To 200, Add		8.00	
		For >200 To 300, Add		4.00	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	4.04	
		For Up To 100, Add		3.16	
		For >100 To 200, Add		1.65	
		For >200 To 500, Add		0.66	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	5.31	
		For Up To 100, Add		3.26	
		For >100 To 200, Add		1.85	
		For >200 To 400, Add		0.88	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	6.69	
		For Up To 100, Add		4.17	
		For >100 To 200, Add		2.36	
		For >200 To 400, Add		1.13	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	8.29	
		For Up To 100, Add		5.23	
		For >100 To 200, Add		2.94	
		For >200 To 400, Add		1.41	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	10.24	
		For Up To 100, Add		5.28	
		For >100 To 200, Add		2.78	
		For >200 To 300, Add		1.39	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	12.32	
		For Up To 100, Add		6.42	
		For >100 To 200, Add		3.37	
		For >200 To 300, Add		1.69	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	17.29	
		For Up To 100, Add		9.11	
		For >100 To 200, Add		4.77	
		For >200 To 300, Add		2.38	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	.....	29.89	
		For Up To 100, Add		15.94	
		For >100 To 200, Add		8.30	
		For >200 To 300, Add		4.15	
03 21 13 00-0057		Footings, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	.....	0.93	
		For Up To 100, Add		0.71	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	.....	1.61	
		For Up To 100, Add		1.25	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.26	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	.....	2.44	
		For Up To 100, Add		1.92	
		For >100 To 200, Add		1.01	
		For >200 To 500, Add		0.40	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	.....	3.41	
		For Up To 100, Add		2.73	
		For >100 To 200, Add		1.42	
		For >200 To 500, Add		0.57	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	0.95	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.39	
		For >200 To 500, Add		0.15	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	1.64	
		For Up To 100, Add		1.28	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	



	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	2.49	
		For Up To 100, Add		1.97	
		For >100 To 200, Add		1.03	
		For >200 To 500, Add		0.41	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	3.48	
		For Up To 100, Add		2.80	
		For >100 To 200, Add		1.46	
		For >200 To 500, Add		0.58	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	0.97	
		For Up To 100, Add		0.75	
		For >100 To 200, Add		0.40	
		For >200 To 500, Add		0.16	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	1.69	
		For Up To 100, Add		1.33	
		For >100 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	2.57	
		For Up To 100, Add		2.05	
		For >100 To 200, Add		1.07	
		For >200 To 500, Add		0.43	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	3.60	
		For Up To 100, Add		2.92	
		For >100 To 200, Add		1.52	
		For >200 To 500, Add		0.61	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	4.74	
		For Up To 100, Add		3.00	
		For >100 To 200, Add		1.69	
		For >200 To 400, Add		0.81	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	6.01	
		For Up To 100, Add		3.85	
		For >100 To 200, Add		2.16	
		For >200 To 400, Add		1.04	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	7.48	
		For Up To 100, Add		4.84	
		For >100 To 200, Add		2.70	
		For >200 To 400, Add		1.30	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	9.27	
		For Up To 100, Add		4.89	
		For >100 To 200, Add		2.56	
		For >200 To 300, Add		1.28	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	11.20	
		For Up To 100, Add		5.97	
		For >100 To 200, Add		3.11	
		For >200 To 300, Add		1.55	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	15.76	
		For Up To 100, Add		8.48	
		For >100 To 200, Add		4.40	
		For >200 To 300, Add		2.20	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	27.36	
		For Up To 100, Add		14.88	
		For >100 To 200, Add		7.70	
		For >200 To 300, Add		3.85	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	3.71	
		For Up To 100, Add		3.03	
		For >100 To 200, Add		1.57	
		For >200 To 500, Add		0.63	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	4.90	
		For Up To 100, Add		3.12	
		For >100 To 200, Add		1.75	
		For >200 To 400, Add		0.84	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	6.21	
		For Up To 100, Add		4.00	
		For >100 To 200, Add		2.24	
		For >200 To 400, Add		1.08	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	7.73	
		For Up To 100, Add		5.03	
		For >100 To 200, Add		2.80	
		For >200 To 400, Add		1.35	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	9.59	
		For Up To 100, Add		5.09	
		For >100 To 200, Add		2.65	
		For >200 To 300, Add		1.33	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	11.59	
		For Up To 100, Add		6.20	
		For >100 To 200, Add		3.23	
		For >200 To 300, Add		1.61	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	16.33	
		For Up To 100, Add		8.82	
		For >100 To 200, Add		4.57	
		For >200 To 300, Add		2.29	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	28.37	
		For Up To 100, Add		15.49	
		For >100 To 200, Add		8.00	
		For >200 To 300, Add		4.00	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.91		
		For Up To 100, Add	0.71		
		For >100 To 200, Add	0.37		
		For >200 To 500, Add	0.15		
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.57		
		For Up To 100, Add	1.23		
		For >100 To 200, Add	0.65		
		For >200 To 500, Add	0.26		
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.39		
		For Up To 100, Add	1.90		
		For >100 To 200, Add	0.99		
		For >200 To 500, Add	0.40		
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.33		
		For Up To 100, Add	2.69		
		For >100 To 200, Add	1.40		
		For >200 To 500, Add	0.56		
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.93		
		For Up To 100, Add	0.73		
		For >100 To 200, Add	0.38		
		For >200 To 500, Add	0.15		
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.60		
		For Up To 100, Add	1.26		
		For >100 To 200, Add	0.66		
		For >200 To 500, Add	0.26		
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.44		
		For Up To 100, Add	1.95		
		For >100 To 200, Add	1.02		
		For >200 To 500, Add	0.41		
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.40		
		For Up To 100, Add	2.76		
		For >100 To 200, Add	1.44		
		For >200 To 500, Add	0.57		
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95		
		For Up To 100, Add	0.75		
		For >100 To 200, Add	0.39		
		For >200 To 500, Add	0.16		
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.65		
		For Up To 100, Add	1.31		
		For >100 To 200, Add	0.69		
		For >200 To 500, Add	0.27		
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.52		
		For Up To 100, Add	2.03		
		For >100 To 200, Add	1.06		
		For >200 To 500, Add	0.42		
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.52		
		For Up To 100, Add	2.88		
		For >100 To 200, Add	1.50		
		For >200 To 500, Add	0.60		
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.66		
		For Up To 100, Add	2.97		
		For >100 To 200, Add	1.67		
		For >200 To 400, Add	0.80		
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.92		
		For Up To 100, Add	3.82		
		For >100 To 200, Add	2.14		
		For >200 To 400, Add	1.03		
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.37		
		For Up To 100, Add	4.80		
		For >100 To 200, Add	2.68		
		For >200 To 400, Add	1.29		
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.14		
		For Up To 100, Add	4.85		
		For >100 To 200, Add	2.53		
		For >200 To 300, Add	1.27		
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.05		
		For Up To 100, Add	5.92		
		For >100 To 200, Add	3.08		
		For >200 To 300, Add	1.54		
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.56		
		For Up To 100, Add	8.42		
		For >100 To 200, Add	4.36		
		For >200 To 300, Add	2.18		
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	27.07		
		For Up To 100, Add	14.79		
		For >100 To 200, Add	7.64		
		For >200 To 300, Add	3.82		
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.63		
		For Up To 100, Add	2.99		
		For >100 To 200, Add	1.55		
		For >200 To 500, Add	0.62		
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.82		
		For Up To 100, Add	3.09		
		For >100 To 200, Add	1.73		
		For >200 To 400, Add	0.83		



	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	6.12	
		For Up To 100, Add		3.97	
		For >100 To 200, Add		2.22	
		For >200 To 400, Add		1.07	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	7.62	
		For Up To 100, Add		4.99	
		For >100 To 200, Add		2.78	
		For >200 To 400, Add		1.34	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	9.46	
		For Up To 100, Add		5.05	
		For >100 To 200, Add		2.63	
		For >200 To 300, Add		1.31	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	11.44	
		For Up To 100, Add		6.16	
		For >100 To 200, Add		3.20	
		For >200 To 300, Add		1.60	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	16.13	
		For Up To 100, Add		8.76	
		For >100 To 200, Add		4.53	
		For >200 To 300, Add		2.27	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	28.08	
		For Up To 100, Add		15.40	
		For >100 To 200, Add		7.94	
		For >200 To 300, Add		3.97	
03 21 13 00-0113		Elevated Slabs, Galvanized Steel Reinforcement Bar	(03 21 13)		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	0.87	
		For Up To 100, Add		0.69	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	1.50	
		For Up To 100, Add		1.21	
		For >100 To 200, Add		0.63	
		For >200 To 500, Add		0.25	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.29	
		For Up To 100, Add		1.86	
		For >100 To 200, Add		0.97	
		For >200 To 500, Add		0.39	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.20	
		For Up To 100, Add		2.64	
		For >100 To 200, Add		1.37	
		For >200 To 500, Add		0.55	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	0.89	
		For Up To 100, Add		0.71	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	1.53	
		For Up To 100, Add		1.24	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.26	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.34	
		For Up To 100, Add		1.91	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.27	
		For Up To 100, Add		2.71	
		For >100 To 200, Add		1.40	
		For >200 To 500, Add		0.56	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	1.58	
		For Up To 100, Add		1.29	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.42	
		For Up To 100, Add		1.99	
		For >100 To 200, Add		1.03	
		For >200 To 500, Add		0.41	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.39	
		For Up To 100, Add		2.83	
		For >100 To 200, Add		1.46	
		For >200 To 500, Add		0.59	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	4.50	
		For Up To 100, Add		2.91	
		For >100 To 200, Add		1.63	
		For >200 To 400, Add		0.78	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	5.72	
		For Up To 100, Add		3.75	
		For >100 To 200, Add		2.09	
		For >200 To 400, Add		1.01	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	7.15	
		For Up To 100, Add		4.73	
		For >100 To 200, Add		2.62	
		For >200 To 400, Add		1.27	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	8.88	
		For Up To 100, Add		4.78	
		For >100 To 200, Add		2.48	
		For >200 To 300, Add		1.24	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	10.75	
		For Up To 100, Add		5.83	
		For >100 To 200, Add		3.02	
		For >200 To 300, Add		1.51	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	15.18	
		For Up To 100, Add		8.31	
		For >100 To 200, Add		4.29	
		For >200 To 300, Add		2.14	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	26.47	
		For Up To 100, Add		14.61	
		For >100 To 200, Add		7.52	
		For >200 To 300, Add		3.76	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.50	
		For Up To 100, Add		2.94	
		For >100 To 200, Add		1.52	
		For >200 To 500, Add		0.61	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	4.66	
		For Up To 100, Add		3.03	
		For >100 To 200, Add		1.69	
		For >200 To 400, Add		0.82	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	5.92	
		For Up To 100, Add		3.90	
		For >100 To 200, Add		2.17	
		For >200 To 400, Add		1.05	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	7.40	
		For Up To 100, Add		4.91	
		For >100 To 200, Add		2.72	
		For >200 To 400, Add		1.32	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	9.20	
		For Up To 100, Add		4.97	
		For >100 To 200, Add		2.58	
		For >200 To 300, Add		1.29	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	11.14	
		For Up To 100, Add		6.07	
		For >100 To 200, Add		3.14	
		For >200 To 300, Add		1.57	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	15.75	
		For Up To 100, Add		8.65	
		For >100 To 200, Add		4.46	
		For >200 To 300, Add		2.23	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	27.48	
		For Up To 100, Add		15.22	
		For >100 To 200, Add		7.82	
		For >200 To 300, Add		3.91	
03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	0.85	
		For Up To 100, Add		0.68	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	1.46	
		For Up To 100, Add		1.19	
		For >100 To 200, Add		0.62	
		For >200 To 500, Add		0.25	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	2.23	
		For Up To 100, Add		1.84	
		For >100 To 200, Add		0.95	
		For >200 To 500, Add		0.38	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	3.13	
		For Up To 100, Add		2.61	
		For >100 To 200, Add		1.35	
		For >200 To 500, Add		0.54	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	0.87	
		For Up To 100, Add		0.70	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	1.49	
		For Up To 100, Add		1.22	
		For >100 To 200, Add		0.63	
		For >200 To 500, Add		0.25	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	2.28	
		For Up To 100, Add		1.89	
		For >100 To 200, Add		0.98	
		For >200 To 500, Add		0.39	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	3.20	
		For Up To 100, Add		2.68	
		For >100 To 200, Add		1.39	
		For >200 To 500, Add		0.55	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	0.89	
		For Up To 100, Add		0.72	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	1.54	
		For Up To 100, Add		1.27	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.26	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	2.36	
		For Up To 100, Add		1.97	
		For >100 To 200, Add		1.02	
		For >200 To 500, Add		0.41	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	3.32	
		For Up To 100, Add		2.80	
		For >100 To 200, Add		1.45	
		For >200 To 500, Add		0.58	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	4.40	
		For Up To 100, Add		2.88	
		For >100 To 200, Add		1.60	
		For >200 To 400, Add		0.77	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	5.63	
		For Up To 100, Add		3.72	
		For >100 To 200, Add		2.06	
		For >200 To 400, Add		1.00	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	7.04	
		For Up To 100, Add		4.69	
		For >100 To 200, Add		2.59	
		For >200 To 400, Add		1.26	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	8.75	
		For Up To 100, Add		4.74	
		For >100 To 200, Add		2.45	
		For >200 To 300, Add		1.23	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	10.61	
		For Up To 100, Add		5.79	
		For >100 To 200, Add		2.99	
		For >200 To 300, Add		1.50	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	14.99	
		For Up To 100, Add		8.25	
		For >100 To 200, Add		4.25	
		For >200 To 300, Add		2.12	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	26.17	
		For Up To 100, Add		14.52	
		For >100 To 200, Add		7.46	
		For >200 To 300, Add		3.73	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	3.43	
		For Up To 100, Add		2.91	
		For >100 To 200, Add		1.50	
		For >200 To 500, Add		0.60	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	4.56	
		For Up To 100, Add		3.00	
		For >100 To 200, Add		1.67	
		For >200 To 400, Add		0.81	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	5.83	
		For Up To 100, Add		3.87	
		For >100 To 200, Add		2.14	
		For >200 To 400, Add		1.04	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	7.29	
		For Up To 100, Add		4.88	
		For >100 To 200, Add		2.69	
		For >200 To 400, Add		1.31	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	9.07	
		For Up To 100, Add		4.93	
		For >100 To 200, Add		2.55	
		For >200 To 300, Add		1.28	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	11.00	
		For Up To 100, Add		6.02	
		For >100 To 200, Add		3.11	
		For >200 To 300, Add		1.55	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	15.56	
		For Up To 100, Add		8.59	
		For >100 To 200, Add		4.42	
		For >200 To 300, Add		2.21	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	27.18	
		For Up To 100, Add		15.13	
		For >100 To 200, Add		7.76	
		For >200 To 300, Add		3.88	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.98	
		For Up To 100, Add		0.72	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.67	
		For Up To 100, Add		1.25	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.26	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.53	
		For Up To 100, Add		1.92	
		For >100 To 200, Add		1.01	
		For >200 To 500, Add		0.41	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.52	
		For Up To 100, Add		2.72	
		For >100 To 200, Add		1.43	
		For >200 To 500, Add		0.57	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.00	
		For Up To 100, Add		0.74	
		For >100 To 200, Add		0.39	
		For >200 To 500, Add		0.16	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.70	
		For Up To 100, Add		1.28	
		For >100 To 200, Add		0.68	
		For >200 To 500, Add		0.27	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.58	
		For Up To 100, Add		1.97	
		For >100 To 200, Add		1.04	
		For >200 To 500, Add		0.42	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.60	
		For Up To 100, Add		2.80	
		For >100 To 200, Add		1.47	
		For >200 To 500, Add		0.59	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.02	
		For Up To 100, Add		0.76	
		For >100 To 200, Add		0.40	
		For >200 To 500, Add		0.16	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.76	
		For Up To 100, Add		1.34	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.28	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.66	
		For Up To 100, Add		2.05	
		For >100 To 200, Add		1.08	
		For >200 To 500, Add		0.43	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.71	
		For Up To 100, Add		2.91	
		For >100 To 200, Add		1.52	
		For >200 To 500, Add		0.61	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.87	
		For Up To 100, Add		3.00	
		For >100 To 200, Add		1.70	
		For >200 To 400, Add		0.81	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	6.15	
		For Up To 100, Add		3.84	
		For >100 To 200, Add		2.17	
		For >200 To 400, Add		1.04	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	7.63	
		For Up To 100, Add		4.82	
		For >100 To 200, Add		2.71	
		For >200 To 400, Add		1.30	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	9.43	
		For Up To 100, Add		4.87	
		For >100 To 200, Add		2.57	
		For >200 To 300, Add		1.28	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	11.34	
		For Up To 100, Add		5.92	
		For >100 To 200, Add		3.11	
		For >200 To 300, Add		1.55	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	15.90	
		For Up To 100, Add		8.39	
		For >100 To 200, Add		4.39	
		For >200 To 300, Add		2.19	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	27.52	
		For Up To 100, Add		14.70	
		For >100 To 200, Add		7.65	
		For >200 To 300, Add		3.83	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.82	
		For Up To 100, Add		3.02	
		For >100 To 200, Add		1.58	
		For >200 To 500, Add		0.63	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	5.02	
		For Up To 100, Add		3.11	
		For >100 To 200, Add		1.76	
		For >200 To 400, Add		0.84	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 21 16 00-0023	LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	6.35 3.99 2.25 1.08		
03 21 16 00-0024	LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	7.88 5.01 2.81 1.35		
03 21 16 00-0025	LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	9.75 5.06 2.66 1.33		
03 21 16 00-0026	LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	11.74 6.16 3.23 1.61		
03 21 16 00-0027	LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	16.48 8.74 4.56 2.28		
03 21 16 00-0028	LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	28.54 15.31 7.96 3.98		
03 21 16 00-0029	Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16) Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0030	LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.01 0.73 0.39 0.16		
03 21 16 00-0031	LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.74 1.28 0.68 0.27		
03 21 16 00-0032	LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.62 1.96 1.04 0.41		
03 21 16 00-0033	LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.65 2.77 1.46 0.58		
03 21 16 00-0034	LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.03 0.75 0.40 0.16		
03 21 16 00-0035	LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.77 1.31 0.69 0.28		
03 21 16 00-0036	LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.67 2.01 1.06 0.42		
03 21 16 00-0037	LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.73 2.85 1.50 0.60		
03 21 16 00-0038	LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.05 0.77 0.41 0.16		
03 21 16 00-0039	LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.83 1.37 0.72 0.29		
03 21 16 00-0040	LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.75 2.09 1.10 0.44		
03 21 16 00-0041	LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.84 2.96 1.55 0.62		
03 21 16 00-0042	LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	5.04 3.06 1.74 0.83		
03 21 16 00-0043	LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	6.34 3.91 2.22 1.06		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	7.85	
		For Up To 100, Add		4.90	
		For >100 To 200, Add		2.77	
		For >200 To 400, Add		1.32	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	9.68	
		For Up To 100, Add		4.94	
		For >100 To 200, Add		2.62	
		For >200 To 300, Add		1.31	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	11.63	
		For Up To 100, Add		6.01	
		For >100 To 200, Add		3.17	
		For >200 To 300, Add		1.58	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	16.29	
		For Up To 100, Add		8.51	
		For >100 To 200, Add		4.47	
		For >200 To 300, Add		2.23	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	.....	28.12	
		For Up To 100, Add		14.88	
		For >100 To 200, Add		7.77	
		For >200 To 300, Add		3.89	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	3.95	
		For Up To 100, Add		3.07	
		For >100 To 200, Add		1.61	
		For >200 To 500, Add		0.64	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	5.19	
		For Up To 100, Add		3.17	
		For >100 To 200, Add		1.80	
		For >200 To 400, Add		0.86	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	6.54	
		For Up To 100, Add		4.06	
		For >100 To 200, Add		2.30	
		For >200 To 400, Add		1.10	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	8.10	
		For Up To 100, Add		5.08	
		For >100 To 200, Add		2.87	
		For >200 To 400, Add		1.37	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	10.00	
		For Up To 100, Add		5.14	
		For >100 To 200, Add		2.71	
		For >200 To 300, Add		1.36	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	12.03	
		For Up To 100, Add		6.25	
		For >100 To 200, Add		3.29	
		For >200 To 300, Add		1.64	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	16.87	
		For Up To 100, Add		8.86	
		For >100 To 200, Add		4.64	
		For >200 To 300, Add		2.32	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	29.14	
		For Up To 100, Add		15.49	
		For >100 To 200, Add		8.08	
		For >200 To 300, Add		4.04	
03 21 16 00-0057		Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
		Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.69	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.57	
		For Up To 100, Add		1.21	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.25	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.38	
		For Up To 100, Add		1.86	
		For >100 To 200, Add		0.98	
		For >200 To 500, Add		0.39	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.32	
		For Up To 100, Add		2.64	
		For >100 To 200, Add		1.38	
		For >200 To 500, Add		0.55	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.93	
		For Up To 100, Add		0.71	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.60	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.43	
		For Up To 100, Add		1.91	
		For >100 To 200, Add		1.00	
		For >200 To 500, Add		0.40	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.40	
		For Up To 100, Add		2.72	
		For >100 To 200, Add		1.42	
		For >200 To 500, Add		0.57	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.95	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.39	
		For >200 To 500, Add		0.15	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.66	
		For Up To 100, Add		1.30	
		For >100 To 200, Add		0.68	
		For >200 To 500, Add		0.27	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.51	
		For Up To 100, Add		1.99	
		For >100 To 200, Add		1.04	
		For >200 To 500, Add		0.42	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.51	
		For Up To 100, Add		2.83	
		For >100 To 200, Add		1.47	
		For >200 To 500, Add		0.59	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.63	
		For Up To 100, Add		2.91	
		For >100 To 200, Add		1.64	
		For >200 To 400, Add		0.79	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	5.86	
		For Up To 100, Add		3.74	
		For >100 To 200, Add		2.10	
		For >200 To 400, Add		1.01	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	7.29	
		For Up To 100, Add		4.70	
		For >100 To 200, Add		2.63	
		For >200 To 400, Add		1.27	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	9.03	
		For Up To 100, Add		4.75	
		For >100 To 200, Add		2.49	
		For >200 To 300, Add		1.24	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	10.90	
		For Up To 100, Add		5.79	
		For >100 To 200, Add		3.02	
		For >200 To 300, Add		1.51	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	15.33	
		For Up To 100, Add		8.22	
		For >100 To 200, Add		4.27	
		For >200 To 300, Add		2.14	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	26.60	
		For Up To 100, Add		14.42	
		For >100 To 200, Add		7.47	
		For >200 To 300, Add		3.73	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.62	
		For Up To 100, Add		2.94	
		For >100 To 200, Add		1.53	
		For >200 To 500, Add		0.61	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.78	
		For Up To 100, Add		3.03	
		For >100 To 200, Add		1.70	
		For >200 To 400, Add		0.82	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	6.06	
		For Up To 100, Add		3.89	
		For >100 To 200, Add		2.18	
		For >200 To 400, Add		1.05	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	7.54	
		For Up To 100, Add		4.89	
		For >100 To 200, Add		2.73	
		For >200 To 400, Add		1.32	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	9.35	
		For Up To 100, Add		4.94	
		For >100 To 200, Add		2.58	
		For >200 To 300, Add		1.29	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	11.30	
		For Up To 100, Add		6.03	
		For >100 To 200, Add		3.14	
		For >200 To 300, Add		1.57	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	15.91	
		For Up To 100, Add		8.57	
		For >100 To 200, Add		4.45	
		For >200 To 300, Add		2.22	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	27.62	
		For Up To 100, Add		15.04	
		For >100 To 200, Add		7.77	
		For >200 To 300, Add		3.89	
03 21 16 00-0085	Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)				
	Note: ASTM A-775 Epoxy Coated Steel.				
03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.89	
		For Up To 100, Add		0.69	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.53	
		For Up To 100, Add		1.19	
		For >100 To 200, Add		0.63	
		For >200 To 500, Add		0.25	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.33	
		For Up To 100, Add		1.84	
		For >100 To 200, Add		0.96	
		For >200 To 500, Add		0.39	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.24	
		For Up To 100, Add		2.60	
		For >100 To 200, Add		1.36	
		For >200 To 500, Add		0.54	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.71	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.56	
		For Up To 100, Add		1.22	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.26	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.38	
		For Up To 100, Add		1.89	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.32	
		For Up To 100, Add		2.68	
		For >100 To 200, Add		1.40	
		For >200 To 500, Add		0.56	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.93	
		For Up To 100, Add		0.73	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.62	
		For Up To 100, Add		1.28	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.46	
		For Up To 100, Add		1.97	
		For >100 To 200, Add		1.03	
		For >200 To 500, Add		0.41	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.43	
		For Up To 100, Add		2.79	
		For >100 To 200, Add		1.45	
		For >200 To 500, Add		0.58	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	4.55	
		For Up To 100, Add		2.88	
		For >100 To 200, Add		1.62	
		For >200 To 400, Add		0.78	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	5.77	
		For Up To 100, Add		3.71	
		For >100 To 200, Add		2.08	
		For >200 To 400, Add		1.00	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	7.18	
		For Up To 100, Add		4.66	
		For >100 To 200, Add		2.60	
		For >200 To 400, Add		1.26	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	8.90	
		For Up To 100, Add		4.71	
		For >100 To 200, Add		2.46	
		For >200 To 300, Add		1.23	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	10.75	
		For Up To 100, Add		5.74	
		For >100 To 200, Add		2.99	
		For >200 To 300, Add		1.49	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	15.13	
		For Up To 100, Add		8.16	
		For >100 To 200, Add		4.23	
		For >200 To 300, Add		2.12	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	26.31	
		For Up To 100, Add		14.34	
		For >100 To 200, Add		7.41	
		For >200 To 300, Add		3.71	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.54	
		For Up To 100, Add		2.90	
		For >100 To 200, Add		1.51	
		For >200 To 500, Add		0.60	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	4.70	
		For Up To 100, Add		3.00	
		For >100 To 200, Add		1.68	
		For >200 To 400, Add		0.81	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	5.97	
		For Up To 100, Add		3.86	
		For >100 To 200, Add		2.16	
		For >200 To 400, Add		1.04	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 21 16 00-0108	LF #9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.43		
	For Up To 100, Add	4.85		
	For >100 To 200, Add	2.70		
	For >200 To 400, Add	1.31		
03 21 16 00-0109	LF #10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.22		
	For Up To 100, Add	4.90		
	For >100 To 200, Add	2.56		
	For >200 To 300, Add	1.28		
03 21 16 00-0110	LF #11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.15		
	For Up To 100, Add	5.98		
	For >100 To 200, Add	3.11		
	For >200 To 300, Add	1.55		
03 21 16 00-0111	LF #14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	15.71		
	For Up To 100, Add	8.51		
	For >100 To 200, Add	4.41		
	For >200 To 300, Add	2.20		
03 21 16 00-0112	LF #18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	27.33		
	For Up To 100, Add	14.95		
	For >100 To 200, Add	7.72		
	For >200 To 300, Add	3.86		
03 21 16 00-0113	Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
	Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0114	LF #3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.85		
	For Up To 100, Add	0.67		
	For >100 To 200, Add	0.35		
	For >200 To 500, Add	0.14		
03 21 16 00-0115	LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.46		
	For Up To 100, Add	1.17		
	For >100 To 200, Add	0.61		
	For >200 To 500, Add	0.24		
03 21 16 00-0116	LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.23		
	For Up To 100, Add	1.80		
	For >100 To 200, Add	0.94		
	For >200 To 500, Add	0.38		
03 21 16 00-0117	LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.11		
	For Up To 100, Add	2.55		
	For >100 To 200, Add	1.32		
	For >200 To 500, Add	0.53		
03 21 16 00-0118	LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.87		
	For Up To 100, Add	0.69		
	For >100 To 200, Add	0.36		
	For >200 To 500, Add	0.14		
03 21 16 00-0119	LF #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.49		
	For Up To 100, Add	1.20		
	For >100 To 200, Add	0.62		
	For >200 To 500, Add	0.25		
03 21 16 00-0120	LF #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.28		
	For Up To 100, Add	1.85		
	For >100 To 200, Add	0.96		
	For >200 To 500, Add	0.39		
03 21 16 00-0121	LF #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.19		
	For Up To 100, Add	2.63		
	For >100 To 200, Add	1.36		
	For >200 To 500, Add	0.55		
03 21 16 00-0122	LF #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.89		
	For Up To 100, Add	0.71		
	For >100 To 200, Add	0.37		
	For >200 To 500, Add	0.15		
03 21 16 00-0123	LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.55		
	For Up To 100, Add	1.26		
	For >100 To 200, Add	0.65		
	For >200 To 500, Add	0.26		
03 21 16 00-0124	LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.36		
	For Up To 100, Add	1.93		
	For >100 To 200, Add	1.00		
	For >200 To 500, Add	0.40		
03 21 16 00-0125	LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.30		
	For Up To 100, Add	2.74		
	For >100 To 200, Add	1.42		
	For >200 To 500, Add	0.57		
03 21 16 00-0126	LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.39		
	For Up To 100, Add	2.83		
	For >100 To 200, Add	1.58		
	For >200 To 400, Add	0.76		
03 21 16 00-0127	LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.57		
	For Up To 100, Add	3.64		
	For >100 To 200, Add	2.03		
	For >200 To 400, Add	0.98		
03 21 16 00-0128	LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.96		
	For Up To 100, Add	4.58		
	For >100 To 200, Add	2.55		
	For >200 To 400, Add	1.23		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	8.64	
		For Up To 100, Add		4.63	
		For >100 To 200, Add		2.41	
		For >200 To 300, Add		1.20	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	10.45	
		For Up To 100, Add		5.65	
		For >100 To 200, Add		2.93	
		For >200 To 300, Add		1.46	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	14.75	
		For Up To 100, Add		8.05	
		For >100 To 200, Add		4.16	
		For >200 To 300, Add		2.08	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	25.71	
		For Up To 100, Add		14.16	
		For >100 To 200, Add		7.29	
		For >200 To 300, Add		3.65	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.41	
		For Up To 100, Add		2.85	
		For >100 To 200, Add		1.47	
		For >200 To 500, Add		0.59	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	4.54	
		For Up To 100, Add		2.94	
		For >100 To 200, Add		1.64	
		For >200 To 400, Add		0.79	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	5.77	
		For Up To 100, Add		3.79	
		For >100 To 200, Add		2.11	
		For >200 To 400, Add		1.02	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	7.21	
		For Up To 100, Add		4.77	
		For >100 To 200, Add		2.65	
		For >200 To 400, Add		1.28	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	8.96	
		For Up To 100, Add		4.82	
		For >100 To 200, Add		2.50	
		For >200 To 300, Add		1.25	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	10.85	
		For Up To 100, Add		5.89	
		For >100 To 200, Add		3.05	
		For >200 To 300, Add		1.52	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	15.33	
		For Up To 100, Add		8.40	
		For >100 To 200, Add		4.33	
		For >200 To 300, Add		2.17	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	26.73	
		For Up To 100, Add		14.77	
		For >100 To 200, Add		7.60	
		For >200 To 300, Add		3.80	
03 21 16 00-0141		Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)			
		Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.83	
		For Up To 100, Add		0.66	
		For >100 To 200, Add		0.35	
		For >200 To 500, Add		0.14	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.42	
		For Up To 100, Add		1.15	
		For >100 To 200, Add		0.60	
		For >200 To 500, Add		0.24	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.17	
		For Up To 100, Add		1.78	
		For >100 To 200, Add		0.92	
		For >200 To 500, Add		0.37	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.04	
		For Up To 100, Add		2.52	
		For >100 To 200, Add		1.31	
		For >200 To 500, Add		0.52	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.85	
		For Up To 100, Add		0.68	
		For >100 To 200, Add		0.36	
		For >200 To 500, Add		0.14	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.45	
		For Up To 100, Add		1.18	
		For >100 To 200, Add		0.61	
		For >200 To 500, Add		0.25	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.22	
		For Up To 100, Add		1.83	
		For >100 To 200, Add		0.95	
		For >200 To 500, Add		0.38	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.12	
		For Up To 100, Add		2.60	
		For >100 To 200, Add		1.35	
		For >200 To 500, Add		0.54	



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.87	
		For Up To 100, Add		0.70	
		For >100 To 200, Add		0.37	
		For >200 To 500, Add		0.15	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.51	
		For Up To 100, Add		1.24	
		For >100 To 200, Add		0.64	
		For >200 To 500, Add		0.26	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.30	
		For Up To 100, Add		1.91	
		For >100 To 200, Add		0.99	
		For >200 To 500, Add		0.40	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.23	
		For Up To 100, Add		2.71	
		For >100 To 200, Add		1.40	
		For >200 To 500, Add		0.56	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.29	
		For Up To 100, Add		2.79	
		For >100 To 200, Add		1.56	
		For >200 To 400, Add		0.75	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.48	
		For Up To 100, Add		3.61	
		For >100 To 200, Add		2.00	
		For >200 To 400, Add		0.97	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	6.85	
		For Up To 100, Add		4.55	
		For >100 To 200, Add		2.52	
		For >200 To 400, Add		1.22	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	8.51	
		For Up To 100, Add		4.59	
		For >100 To 200, Add		2.38	
		For >200 To 300, Add		1.19	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	10.31	
		For Up To 100, Add		5.61	
		For >100 To 200, Add		2.90	
		For >200 To 300, Add		1.45	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	14.56	
		For Up To 100, Add		7.99	
		For >100 To 200, Add		4.12	
		For >200 To 300, Add		2.06	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	25.41	
		For Up To 100, Add		14.07	
		For >100 To 200, Add		7.23	
		For >200 To 300, Add		3.62	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.34	
		For Up To 100, Add		2.82	
		For >100 To 200, Add		1.46	
		For >200 To 500, Add		0.58	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.44	
		For Up To 100, Add		2.91	
		For >100 To 200, Add		1.62	
		For >200 To 400, Add		0.78	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.68	
		For Up To 100, Add		3.76	
		For >100 To 200, Add		2.08	
		For >200 To 400, Add		1.01	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	7.10	
		For Up To 100, Add		4.73	
		For >100 To 200, Add		2.62	
		For >200 To 400, Add		1.27	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	8.83	
		For Up To 100, Add		4.79	
		For >100 To 200, Add		2.48	
		For >200 To 300, Add		1.24	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	10.71	
		For Up To 100, Add		5.85	
		For >100 To 200, Add		3.02	
		For >200 To 300, Add		1.51	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	15.14	
		For Up To 100, Add		8.34	
		For >100 To 200, Add		4.29	
		For >200 To 300, Add		2.15	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	26.43	
		For Up To 100, Add		14.68	
		For >100 To 200, Add		7.54	
		For >200 To 300, Add		3.77	
03 21 16 00-0169	Epoxy Coated Deformed Straight Dowels (03 21 16)				
	Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.				
03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	5.23	
		For Up To 12" Length, Deduct		-0.67	
		For >12" To <24" Length, Deduct		-0.33	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	6.34	
		For Up To 12" Length, Deduct		-1.02	
		For >12" To <24" Length, Deduct		-0.51	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.04	
		For Up To 12" Length, Deduct	-1.51	
		For >12" To <24" Length, Deduct	-0.76	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.08	
		For Up To 12" Length, Deduct	-2.01	
		For >12" To <24" Length, Deduct	-1.00	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.37	
		For Up To 12" Length, Deduct	-2.74	
		For >12" To <24" Length, Deduct	-1.37	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	14.52	
		For Up To 12" Length, Deduct	-3.37	
		For >12" To <24" Length, Deduct	-1.68	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	17.21	
		For Up To 12" Length, Deduct	-4.08	
		For >12" To <24" Length, Deduct	-2.04	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	20.75	
		For Up To 12" Length, Deduct	-4.94	
		For >12" To <24" Length, Deduct	-2.47	

03 22 Fabric and Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	0.89	
		For >5 Ton, Deduct	-0.13	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.01	
		For >5 Ton, Deduct	-0.15	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.16	
		For >5 Ton, Deduct	-0.17	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.38	
		For >5 Ton, Deduct	-0.20	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.06	
		For >5 Ton, Deduct	-0.16	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.20	
		For >5 Ton, Deduct	-0.17	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.53	
		For >5 Ton, Deduct	-0.21	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.78	
		For >5 Ton, Deduct	-0.24	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.66	
		For >5 Ton, Deduct	-0.22	
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	2.31	
		For >5 Ton, Deduct	-0.29	
		For Galvanized, Add	0.59	
		For Epoxy Coated, Add	1.18	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	3.11	
		For >5 Ton, Deduct	-0.37	

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	0.99	
		For >5 Ton, Deduct	-0.14	
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.14	
		For >5 Ton, Deduct	-0.16	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.32	
		For >5 Ton, Deduct	-0.19	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.60	
		For >5 Ton, Deduct	-0.22	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.21	
		For >5 Ton, Deduct	-0.17	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.38	
		For >5 Ton, Deduct	-0.19	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.81	
		For >5 Ton, Deduct	-0.24	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	2.13	
		For >5 Ton, Deduct	-0.27	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	3.47	
		For >5 Ton, Deduct	-0.54	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)



		Concrete	03	03
		Concrete Reinforcing	03 20	
		Fabric and Grid Reinforcing	03 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 16)		
	Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.98
	For >5 Ton, Deduct		-0.14
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.12
	For >5 Ton, Deduct		-0.16
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.30
	For >5 Ton, Deduct		-0.18
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.57
	For >5 Ton, Deduct		-0.21
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.19
	For >5 Ton, Deduct		-0.17
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.36
	For >5 Ton, Deduct		-0.19
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.78
	For >5 Ton, Deduct		-0.23
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.09
	For >5 Ton, Deduct		-0.27

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing^(03 22)
Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001	Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 23)	
03 22 23 00-0002	SF 6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.66
03 22 23 00-0003	SF 4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.13

03 30 Cast-In-Place Concrete⁽⁰³⁾

See CSI section 01 74 19 00-0041 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete^(03 30)

03 30 53 00-0001	Place Concrete Duct Bank ^(03 30 53)	
03 30 53 00-0002	CY Direct Chute, Place 3,000 PSI Concrete Duct Bank	187.11
	For 2,000 PSI Concrete, Deduct	-7.97
	For 2,500 PSI Concrete, Deduct	-3.99
	For 3,500 PSI Concrete, Add	7.38
	For 3,750 PSI Concrete, Add	10.04
	For 4,000 PSI Concrete, Add	12.70
	For 4,500 PSI Concrete, Add	14.77
	For 5,000 PSI Concrete, Add	16.84
	For 6,000 PSI Concrete, Add	39.87
	For White Cement Concrete, Add	17.72
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20
	For High Early Strength, Type 3 ASTM C150, Add	14.77
	For Lightweight Aggregate, ASTM C330, Add	51.69
	For Up To 20, Add	15.77
	For >20 To 50, Add	5.91
	For >100 To 200, Deduct	-3.74
	For >200 To 400, Deduct	-7.48
	For >400, Deduct	-11.23

03 30 53 00-0003	Place Concrete Thrust Blocks And Backfill ^(03 30 53)	
03 30 53 00-0004	CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	236.72
	For 2,000 PSI Concrete, Deduct	-7.97
	For 2,500 PSI Concrete, Deduct	-3.99
	For 3,500 PSI Concrete, Add	7.38
	For 3,750 PSI Concrete, Add	10.04
	For 4,000 PSI Concrete, Add	12.70
	For 4,500 PSI Concrete, Add	14.77
	For 5,000 PSI Concrete, Add	16.84
	For 6,000 PSI Concrete, Add	39.87
	For White Cement Concrete, Add	17.72
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20
	For High Early Strength, Type 3 ASTM C150, Add	14.77
	For Lightweight Aggregate, ASTM C330, Add	51.69
	For Up To 20, Add	35.62
	For >20 To 50, Add	13.36
	For >100 To 200, Deduct	-4.73
	For >200 To 400, Deduct	-9.47
	For >400, Deduct	-14.20

03 Concrete**03 30 Cast-In-Place Concrete****03 30 53 Miscellaneous Cast-in-Place Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 30 53 00-0005	CY	Concrete Pump, Place 3,000 PSI Concrete Thrust Blocks Note: Excludes pumping equipment.	233.30	
			For 2,000 PSI Concrete, Deduct	-8.64	
			For 2,500 PSI Concrete, Deduct	-4.32	
			For 3,500 PSI Concrete, Add	8.00	
			For 3,750 PSI Concrete, Add	10.88	
			For 4,000 PSI Concrete, Add	13.76	
			For 4,500 PSI Concrete, Add	16.00	
			For 5,000 PSI Concrete, Add	18.24	
			For 6,000 PSI Concrete, Add	43.19	
			For White Cement Concrete, Add	19.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80	
			For High Early Strength, Type 3 ASTM C150, Add	16.00	
			For Lightweight Aggregate, ASTM C330, Add	55.99	
	03 30 53 00-0006		Place Concrete Slurry (03 30 53)		
	03 30 53 00-0007	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	176.35	
	03 30 53 00-0008	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	168.50	
	03 30 53 00-0009	CY	Direct Chute, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY.	152.12	
	03 30 53 00-0010	CY	Concrete Pump, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY. Excludes pumping equipment.	144.27	
	03 30 53 00-0011		Hand Mix And Place Concrete (03 30 53)		
	03 30 53 00-0012	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	19.69	
			For Up To 25 CF, Add	2.28	
			For 2,000 PSI Concrete, Deduct	-0.34	
			For 2,500 PSI Concrete, Deduct	-0.17	
			For 3,500 PSI Concrete, Add	0.32	
			For 3,750 PSI Concrete, Add	0.43	
			For 4,000 PSI Concrete, Add	0.54	
			For 4,500 PSI Concrete, Add	0.63	
			For 5,000 PSI Concrete, Add	0.72	
			For 6,000 PSI Concrete, Add	1.70	
			For White Cement Concrete, Add	0.76	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.82	
			For High Early Strength, Type 3 ASTM C150, Add	0.63	
			For Lightweight Aggregate, ASTM C330, Add	2.21	
	03 31 Structural Concrete (03 30)				
	03 31 13 Heavyweight Structural Concrete (03 31)				
			Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.		
	03 31 13 00-0001		Concrete Slab Assemblies (03 31 13)		
	03 31 13 00-0002		3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001) Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
	03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly For 2,000 PSI Concrete, Deduct For 2,500 PSI Concrete, Deduct For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add For Reinforcing Rods Are At 18" On Center, Deduct For Reinforcing Rods Are At 24" On Center, Deduct For Up To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For >10,000 To 20,000, Deduct For >20,000 To 35,000, Deduct For >35,000 To 50,000, Deduct For >50,000 To 70,000, Deduct For >70,000, Deduct	8.08 -0.19 -0.10 0.07 0.23 0.28 0.33 -0.58 -0.85 3.42 2.34 1.26 0.63 -0.18 -0.38 -0.58 -0.79 -0.99	



Concrete		03	03
Cast-In-Place Concrete		03 30	
Structural Concrete		03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF		5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.79	
			For 2,000 PSI Concrete, Deduct	-0.22	
			For 2,500 PSI Concrete, Deduct	-0.11	
			For 3,500 PSI Concrete, Add	0.08	
			For 4,000 PSI Concrete, Add	0.26	
			For 4,500 PSI Concrete, Add	0.32	
			For 5,000 PSI Concrete, Add	0.37	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	3.65	
			For >500 To 1,000, Add	2.50	
			For >1,000 To 2,000, Add	1.35	
			For >2,000 To 5,000, Add	0.68	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000 To 35,000, Deduct	-0.42	
			For >35,000 To 50,000, Deduct	-0.64	
			For >50,000 To 70,000, Deduct	-0.86	
			For >70,000, Deduct	-1.08	
03 31 13 00-0005	SF		6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.78	
			For 2,000 PSI Concrete, Deduct	-0.26	
			For 2,500 PSI Concrete, Deduct	-0.13	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.30	
			For 4,500 PSI Concrete, Add	0.38	
			For 5,000 PSI Concrete, Add	0.43	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	3.96	
			For >500 To 1,000, Add	2.72	
			For >1,000 To 2,000, Add	1.48	
			For >2,000 To 5,000, Add	0.74	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000 To 35,000, Deduct	-0.48	
			For >35,000 To 50,000, Deduct	-0.73	
			For >50,000 To 70,000, Deduct	-0.97	
			For >70,000, Deduct	-1.22	
03 31 13 00-0006	SF		7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.72	
			For 2,000 PSI Concrete, Deduct	-0.30	
			For 2,500 PSI Concrete, Deduct	-0.15	
			For 3,500 PSI Concrete, Add	0.10	
			For 4,000 PSI Concrete, Add	0.35	
			For 4,500 PSI Concrete, Add	0.43	
			For 5,000 PSI Concrete, Add	0.50	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	4.24	
			For >500 To 1,000, Add	2.92	
			For >1,000 To 2,000, Add	1.60	
			For >2,000 To 5,000, Add	0.80	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000 To 35,000, Deduct	-0.54	
			For >35,000 To 50,000, Deduct	-0.81	
			For >50,000 To 70,000, Deduct	-1.08	
			For >70,000, Deduct	-1.35	
03 31 13 00-0007	SF		8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.50	
			For 2,000 PSI Concrete, Deduct	-0.33	
			For 2,500 PSI Concrete, Deduct	-0.16	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.38	
			For 4,500 PSI Concrete, Add	0.48	
			For 5,000 PSI Concrete, Add	0.55	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	4.48	
			For >500 To 1,000, Add	3.09	
			For >1,000 To 2,000, Add	1.69	
			For >2,000 To 5,000, Add	0.85	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000 To 35,000, Deduct	-0.59	
			For >35,000 To 50,000, Deduct	-0.88	
			For >50,000 To 70,000, Deduct	-1.17	
			For >70,000, Deduct	-1.45	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008	SF	10"	3,000 PSI Slab On Grade Concrete Slab Assembly	13.52	
			For 2,000 PSI Concrete, Deduct	-0.41	
			For 2,500 PSI Concrete, Deduct	-0.21	
			For 3,500 PSI Concrete, Add	0.15	
			For 4,000 PSI Concrete, Add	0.48	
			For 4,500 PSI Concrete, Add	0.61	
			For 5,000 PSI Concrete, Add	0.70	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	5.05	
			For >500 To 1,000, Add	3.49	
			For >1,000 To 2,000, Add	1.94	
			For >2,000 To 5,000, Add	0.97	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000 To 35,000, Deduct	-0.72	
			For >35,000 To 50,000, Deduct	-1.06	
			For >50,000 To 70,000, Deduct	-1.40	
			For >70,000, Deduct	-1.74	
03 31 13 00-0009	SF	12"	3,000 PSI Slab On Grade Concrete Slab Assembly	15.10	
			For 2,000 PSI Concrete, Deduct	-0.48	
			For 2,500 PSI Concrete, Deduct	-0.24	
			For 3,500 PSI Concrete, Add	0.17	
			For 4,000 PSI Concrete, Add	0.56	
			For 4,500 PSI Concrete, Add	0.70	
			For 5,000 PSI Concrete, Add	0.80	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.85	
			For Up To 500, Add	5.53	
			For >500 To 1,000, Add	3.84	
			For >1,000 To 2,000, Add	2.14	
			For >2,000 To 5,000, Add	1.07	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000 To 35,000, Deduct	-0.82	
			For >35,000 To 50,000, Deduct	-1.20	
			For >50,000 To 70,000, Deduct	-1.57	
			For >70,000, Deduct	-1.95	
03 31 13 00-0010			Concrete Delivery And Placement (03 31 13)		
			Note: Includes cleaning out equipment and standard concrete placement tests.		
03 31 13 00-0011			Place Concrete By Method Indicated (03 31 13 00-0010)		
			Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012			Place Concrete Pile Caps (03 31 13 00-0011)		
03 31 13 00-0013	CY		Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	292.03	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	57.74	
			For >20 To 50, Add	21.65	
			For >100 To 200, Deduct	-5.84	
			For >200 To 400, Deduct	-11.68	
			For >400, Deduct	-17.52	
03 31 13 00-0014	CY		Direct Chute, Place 3,000 PSI Concrete Pile Caps	213.14	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	26.18	
			For >20 To 50, Add	9.82	
			For >100 To 200, Deduct	-4.26	
			For >200 To 400, Deduct	-8.53	
			For >400, Deduct	-12.79	



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0015	CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	222.32		
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	24.94		
	For >20 To 50, Add	9.35		
	For >100 To 200, Deduct	-4.45		
	For >200 To 400, Deduct	-8.89		
	For >400, Deduct	-13.34		
03 31 13 00-0016	Place Concrete Continuous Footings (03 31 13 00-0011)			
03 31 13 00-0017	CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	275.99		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	51.32		
	For >20 To 50, Add	19.25		
	For >100 To 200, Deduct	-5.52		
	For >200 To 400, Deduct	-11.04		
	For >400, Deduct	-16.56		
03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	205.87		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	23.28		
	For >20 To 50, Add	8.73		
	For >100 To 200, Deduct	-4.12		
	For >200 To 400, Deduct	-8.23		
	For >400, Deduct	-12.35		
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings..... Note: Excludes pumping equipment.	215.40		
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	22.17		
	For >20 To 50, Add	8.31		
	For >100 To 200, Deduct	-4.31		
	For >200 To 400, Deduct	-8.62		
	For >400, Deduct	-12.92		
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)			

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	364.19		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	86.60		
		For >20 To 50, Add	32.48		
		For >100 To 200, Deduct	-7.28		
		For >200 To 400, Deduct	-14.57		
		For >400, Deduct	-21.85		
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	245.88		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	39.28		
		For >20 To 50, Add	14.73		
		For >100 To 200, Deduct	-4.92		
		For >200 To 400, Deduct	-9.84		
		For >400, Deduct	-14.75		
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	253.51		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.64		
		For 2,500 PSI Concrete, Deduct	-4.32		
		For 3,500 PSI Concrete, Add	8.00		
		For 3,750 PSI Concrete, Add	10.88		
		For 4,000 PSI Concrete, Add	13.76		
		For 4,500 PSI Concrete, Add	16.00		
		For 5,000 PSI Concrete, Add	18.24		
		For 6,000 PSI Concrete, Add	43.19		
		For White Cement Concrete, Add	19.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
		For High Early Strength, Type 3 ASTM C150, Add	16.00		
		For Lightweight Aggregate, ASTM C330, Add	55.99		
		For Up To 20, Add	37.41		
		For >20 To 50, Add	14.03		
		For >100 To 200, Deduct	-5.07		
		For >200 To 400, Deduct	-10.14		
		For >400, Deduct	-15.21		
03 31 13 00-0024		Place Concrete Mat Foundation (03 31 13 00-0011)			
03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	186.17		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	15.40		
		For >20 To 50, Add	5.77		
		For >100 To 200, Deduct	-3.72		
		For >200 To 400, Deduct	-7.45		
		For >400, Deduct	-11.17		



Concrete 03			03
Cast-In-Place Concrete 03 30			
Structural Concrete 03 31			

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0026	CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	165.14		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	6.98		
	For >20 To 50, Add	2.62		
	For >100 To 200, Deduct	-3.30		
	For >200 To 400, Deduct	-6.61		
	For >400, Deduct	-9.91		
03 31 13 00-0027	CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	174.53		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	5.82		
	For >20 To 50, Add	2.18		
	For >100 To 200, Deduct	-3.49		
	For >200 To 400, Deduct	-6.98		
	For >400, Deduct	-10.47		
03 31 13 00-0028	Place Concrete Grade Beams (03 31 13 00-0011)			
03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	250.32		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	41.06		
	For >20 To 50, Add	15.40		
	For >100 To 200, Deduct	-5.01		
	For >200 To 400, Deduct	-10.01		
	For >400, Deduct	-15.02		
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	194.23		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	18.62		
	For >20 To 50, Add	6.98		
	For >100 To 200, Deduct	-3.88		
	For >200 To 400, Deduct	-7.77		
	For >400, Deduct	-11.65		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	204.31		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.64		
		For 2,500 PSI Concrete, Deduct	-4.32		
		For 3,500 PSI Concrete, Add	8.00		
		For 3,750 PSI Concrete, Add	10.88		
		For 4,000 PSI Concrete, Add	13.76		
		For 4,500 PSI Concrete, Add	16.00		
		For 5,000 PSI Concrete, Add	18.24		
		For 6,000 PSI Concrete, Add	43.19		
		For White Cement Concrete, Add	19.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
		For High Early Strength, Type 3 ASTM C150, Add	16.00		
		For Lightweight Aggregate, ASTM C330, Add	55.99		
		For Up To 20, Add	17.73		
		For >20 To 50, Add	6.65		
		For >100 To 200, Deduct	-4.09		
		For >200 To 400, Deduct	-8.17		
		For >400, Deduct	-12.26		
03 31 13 00-0032		Place Concrete Slab On Grade (03 31 13 00-0011)			
03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	252.74		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	42.02		
		For >20 To 50, Add	15.76		
		For >100 To 200, Deduct	-5.05		
		For >200 To 400, Deduct	-10.11		
		For >400, Deduct	-15.16		
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	227.39		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	31.88		
		For >20 To 50, Add	11.96		
		For >100 To 200, Deduct	-4.55		
		For >200 To 400, Deduct	-9.10		
		For >400, Deduct	-13.64		
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	195.32		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	19.06		
		For >20 To 50, Add	7.15		
		For >100 To 200, Deduct	-3.91		
		For >200 To 400, Deduct	-7.81		
		For >400, Deduct	-11.72		



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0036	CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade		183.82	
	For 2,000 PSI Concrete, Deduct		-7.97	
	For 2,500 PSI Concrete, Deduct		-3.99	
	For 3,500 PSI Concrete, Add		7.38	
	For 3,750 PSI Concrete, Add		10.04	
	For 4,000 PSI Concrete, Add		12.70	
	For 4,500 PSI Concrete, Add		14.77	
	For 5,000 PSI Concrete, Add		16.84	
	For 6,000 PSI Concrete, Add		39.87	
	For White Cement Concrete, Add		17.72	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.20	
	For High Early Strength, Type 3 ASTM C150, Add		14.77	
	For Lightweight Aggregate, ASTM C330, Add		51.69	
	For Up To 20, Add		14.46	
	For >20 To 50, Add		5.42	
	For >100 To 200, Deduct		-3.68	
	For >200 To 400, Deduct		-7.35	
	For >400, Deduct		-11.03	
03 31 13 00-0037	CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade		199.69	
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct		-8.64	
	For 2,500 PSI Concrete, Deduct		-4.32	
	For 3,500 PSI Concrete, Add		8.00	
	For 3,750 PSI Concrete, Add		10.88	
	For 4,000 PSI Concrete, Add		13.76	
	For 4,500 PSI Concrete, Add		16.00	
	For 5,000 PSI Concrete, Add		18.24	
	For 6,000 PSI Concrete, Add		43.19	
	For White Cement Concrete, Add		19.20	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		20.80	
	For High Early Strength, Type 3 ASTM C150, Add		16.00	
	For Lightweight Aggregate, ASTM C330, Add		55.99	
	For Up To 20, Add		15.88	
	For >20 To 50, Add		5.96	
	For >100 To 200, Deduct		-3.99	
	For >200 To 400, Deduct		-7.99	
	For >400, Deduct		-11.98	
03 31 13 00-0038	CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade		190.11	
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct		-8.64	
	For 2,500 PSI Concrete, Deduct		-4.32	
	For 3,500 PSI Concrete, Add		8.00	
	For 3,750 PSI Concrete, Add		10.88	
	For 4,000 PSI Concrete, Add		13.76	
	For 4,500 PSI Concrete, Add		16.00	
	For 5,000 PSI Concrete, Add		18.24	
	For 6,000 PSI Concrete, Add		43.19	
	For White Cement Concrete, Add		19.20	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		20.80	
	For High Early Strength, Type 3 ASTM C150, Add		16.00	
	For Lightweight Aggregate, ASTM C330, Add		55.99	
	For Up To 20, Add		12.05	
	For >20 To 50, Add		4.52	
	For >100 To 200, Deduct		-3.80	
	For >200 To 400, Deduct		-7.60	
	For >400, Deduct		-11.41	
03 31 13 00-0039	Place Concrete Stairs (03 31 13 00-0011)		620.35	
03 31 13 00-0040	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs			
	For 2,000 PSI Concrete, Deduct		-7.97	
	For 2,500 PSI Concrete, Deduct		-3.99	
	For 3,500 PSI Concrete, Add		7.38	
	For 3,750 PSI Concrete, Add		10.04	
	For 4,000 PSI Concrete, Add		12.70	
	For 4,500 PSI Concrete, Add		14.77	
	For 5,000 PSI Concrete, Add		16.84	
	For 6,000 PSI Concrete, Add		39.87	
	For White Cement Concrete, Add		17.72	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.20	
	For High Early Strength, Type 3 ASTM C150, Add		14.77	
	For Lightweight Aggregate, ASTM C330, Add		51.69	
	For Up To 20, Add		189.07	
	For >20 To 50, Add		70.90	
	For >100 To 200, Deduct		-12.41	
	For >200 To 400, Deduct		-24.81	
	For >400, Deduct		-37.22	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs		362.09	
		For 2,000 PSI Concrete, Deduct		-7.97	
		For 2,500 PSI Concrete, Deduct		-3.99	
		For 3,500 PSI Concrete, Add		7.38	
		For 3,750 PSI Concrete, Add		10.04	
		For 4,000 PSI Concrete, Add		12.70	
		For 4,500 PSI Concrete, Add		14.77	
		For 5,000 PSI Concrete, Add		16.84	
		For 6,000 PSI Concrete, Add		39.87	
		For White Cement Concrete, Add		17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.20	
		For High Early Strength, Type 3 ASTM C150, Add		14.77	
		For Lightweight Aggregate, ASTM C330, Add		51.69	
		For Up To 20, Add		85.76	
		For >20 To 50, Add		32.16	
		For >100 To 200, Deduct		-7.24	
		For >200 To 400, Deduct		-14.48	
		For >400, Deduct		-21.73	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs		338.68	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.64	
		For 2,500 PSI Concrete, Deduct		-4.32	
		For 3,500 PSI Concrete, Add		8.00	
		For 3,750 PSI Concrete, Add		10.88	
		For 4,000 PSI Concrete, Add		13.76	
		For 4,500 PSI Concrete, Add		16.00	
		For 5,000 PSI Concrete, Add		18.24	
		For 6,000 PSI Concrete, Add		43.19	
		For White Cement Concrete, Add		19.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		20.80	
		For High Early Strength, Type 3 ASTM C150, Add		16.00	
		For Lightweight Aggregate, ASTM C330, Add		55.99	
		For Up To 20, Add		71.48	
		For >20 To 50, Add		26.81	
		For >100 To 200, Deduct		-6.77	
		For >200 To 400, Deduct		-13.55	
		For >400, Deduct		-20.32	
03 31 13 00-0043		Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)			
		See CSI section 03 37 16 00-0001 for concrete pump truck.			
03 31 13 00-0044		Place Elevated Concrete Beams (03 31 13 00-0043)			
03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams		404.28	
		For 2,000 PSI Concrete, Deduct		-7.97	
		For 2,500 PSI Concrete, Deduct		-3.99	
		For 3,500 PSI Concrete, Add		7.38	
		For 3,750 PSI Concrete, Add		10.04	
		For 4,000 PSI Concrete, Add		12.70	
		For 4,500 PSI Concrete, Add		14.77	
		For 5,000 PSI Concrete, Add		16.84	
		For 6,000 PSI Concrete, Add		39.87	
		For White Cement Concrete, Add		17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.20	
		For High Early Strength, Type 3 ASTM C150, Add		14.77	
		For Lightweight Aggregate, ASTM C330, Add		51.69	
		For Up To 20, Add		102.64	
		For >20 To 50, Add		38.49	
		For >100 To 200, Deduct		-8.09	
		For >200 To 400, Deduct		-16.17	
		For >400, Deduct		-24.26	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams		270.82	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.64	
		For 2,500 PSI Concrete, Deduct		-4.32	
		For 3,500 PSI Concrete, Add		8.00	
		For 3,750 PSI Concrete, Add		10.88	
		For 4,000 PSI Concrete, Add		13.76	
		For 4,500 PSI Concrete, Add		16.00	
		For 5,000 PSI Concrete, Add		18.24	
		For 6,000 PSI Concrete, Add		43.19	
		For White Cement Concrete, Add		19.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		20.80	
		For High Early Strength, Type 3 ASTM C150, Add		16.00	
		For Lightweight Aggregate, ASTM C330, Add		55.99	
		For Up To 20, Add		44.34	
		For >20 To 50, Add		16.63	
		For >100 To 200, Deduct		-5.42	
		For >200 To 400, Deduct		-10.83	
		For >400, Deduct		-16.25	
03 31 13 00-0047		Place Elevated Concrete Slab (03 31 13 00-0043)			



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0048	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	268.49		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	48.32		
	For >20 To 50, Add	18.12		
	For >100 To 200, Deduct	-5.37		
	For >200 To 400, Deduct	-10.74		
	For >400, Deduct	-16.11		
03 31 13 00-0049	CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	239.34		
	For 2,000 PSI Concrete, Deduct	-7.97		
	For 2,500 PSI Concrete, Deduct	-3.99		
	For 3,500 PSI Concrete, Add	7.38		
	For 3,750 PSI Concrete, Add	10.04		
	For 4,000 PSI Concrete, Add	12.70		
	For 4,500 PSI Concrete, Add	14.77		
	For 5,000 PSI Concrete, Add	16.84		
	For 6,000 PSI Concrete, Add	39.87		
	For White Cement Concrete, Add	17.72		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
	For High Early Strength, Type 3 ASTM C150, Add	14.77		
	For Lightweight Aggregate, ASTM C330, Add	51.69		
	For Up To 20, Add	36.66		
	For >20 To 50, Add	13.75		
	For >100 To 200, Deduct	-4.79		
	For >200 To 400, Deduct	-9.57		
	For >400, Deduct	-14.36		
03 31 13 00-0050	CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	212.17		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	20.88		
	For >20 To 50, Add	7.83		
	For >100 To 200, Deduct	-4.24		
	For >200 To 400, Deduct	-8.49		
	For >400, Deduct	-12.73		
03 31 13 00-0051	CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	199.58		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	15.84		
	For >20 To 50, Add	5.94		
	For >100 To 200, Deduct	-3.99		
	For >200 To 400, Deduct	-7.98		
	For >400, Deduct	-11.97		
03 31 13 00-0052	Place Concrete Columns (03 31 13 00-0043)			

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	424.82		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	110.86		
		For >20 To 50, Add	41.57		
		For >100 To 200, Deduct	-8.50		
		For >200 To 400, Deduct	-16.99		
		For >400, Deduct	-25.49		
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	349.12		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	80.58		
		For >20 To 50, Add	30.22		
		For >100 To 200, Deduct	-6.98		
		For >200 To 400, Deduct	-13.96		
		For >400, Deduct	-20.95		
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	294.97		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	58.92		
		For >20 To 50, Add	22.09		
		For >100 To 200, Deduct	-5.90		
		For >200 To 400, Deduct	-11.80		
		For >400, Deduct	-17.70		
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	270.86		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	49.27		
		For >20 To 50, Add	18.48		
		For >100 To 200, Deduct	-5.42		
		For >200 To 400, Deduct	-10.83		
		For >400, Deduct	-16.25		



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
03 31 13 00-0057	CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	279.70		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	47.89		
	For >20 To 50, Add	17.96		
	For >100 To 200, Deduct	-5.59		
	For >200 To 400, Deduct	-11.19		
	For >400, Deduct	-16.78		
03 31 13 00-0058	CY 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	246.99		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	34.80		
	For >20 To 50, Add	13.05		
	For >100 To 200, Deduct	-4.94		
	For >200 To 400, Deduct	-9.88		
	For >400, Deduct	-14.82		
03 31 13 00-0059	CY 24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	223.61		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	25.45		
	For >20 To 50, Add	9.54		
	For >100 To 200, Deduct	-4.47		
	For >200 To 400, Deduct	-8.94		
	For >400, Deduct	-13.42		
03 31 13 00-0060	CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	213.18		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-8.64		
	For 2,500 PSI Concrete, Deduct	-4.32		
	For 3,500 PSI Concrete, Add	8.00		
	For 3,750 PSI Concrete, Add	10.88		
	For 4,000 PSI Concrete, Add	13.76		
	For 4,500 PSI Concrete, Add	16.00		
	For 5,000 PSI Concrete, Add	18.24		
	For 6,000 PSI Concrete, Add	43.19		
	For White Cement Concrete, Add	19.20		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
	For High Early Strength, Type 3 ASTM C150, Add	16.00		
	For Lightweight Aggregate, ASTM C330, Add	55.99		
	For Up To 20, Add	21.28		
	For >20 To 50, Add	7.98		
	For >100 To 200, Deduct	-4.26		
	For >200 To 400, Deduct	-8.53		
	For >400, Deduct	-12.79		

03 31 13 00-0061 Place Concrete Walls (03 31 13 00-0043)

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	407.50	
		For 2,000 PSI Concrete, Deduct	-7.97	
		For 2,500 PSI Concrete, Deduct	-3.99	
		For 3,500 PSI Concrete, Add	7.38	
		For 3,750 PSI Concrete, Add	10.04	
		For 4,000 PSI Concrete, Add	12.70	
		For 4,500 PSI Concrete, Add	14.77	
		For 5,000 PSI Concrete, Add	16.84	
		For 6,000 PSI Concrete, Add	39.87	
		For White Cement Concrete, Add	17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.77	
		For Lightweight Aggregate, ASTM C330, Add	51.69	
		For Up To 20, Add	103.93	
		For >20 To 50, Add	38.97	
		For >100 To 200, Deduct	-8.15	
		For >200 To 400, Deduct	-16.30	
		For >400, Deduct	-24.45	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	385.95	
		For 2,000 PSI Concrete, Deduct	-7.97	
		For 2,500 PSI Concrete, Deduct	-3.99	
		For 3,500 PSI Concrete, Add	7.38	
		For 3,750 PSI Concrete, Add	10.04	
		For 4,000 PSI Concrete, Add	12.70	
		For 4,500 PSI Concrete, Add	14.77	
		For 5,000 PSI Concrete, Add	16.84	
		For 6,000 PSI Concrete, Add	39.87	
		For White Cement Concrete, Add	17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.77	
		For Lightweight Aggregate, ASTM C330, Add	51.69	
		For Up To 20, Add	95.31	
		For >20 To 50, Add	35.74	
		For >100 To 200, Deduct	-7.72	
		For >200 To 400, Deduct	-15.44	
		For >400, Deduct	-23.16	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	329.55	
		For 2,000 PSI Concrete, Deduct	-7.97	
		For 2,500 PSI Concrete, Deduct	-3.99	
		For 3,500 PSI Concrete, Add	7.38	
		For 3,750 PSI Concrete, Add	10.04	
		For 4,000 PSI Concrete, Add	12.70	
		For 4,500 PSI Concrete, Add	14.77	
		For 5,000 PSI Concrete, Add	16.84	
		For 6,000 PSI Concrete, Add	39.87	
		For White Cement Concrete, Add	17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.77	
		For Lightweight Aggregate, ASTM C330, Add	51.69	
		For Up To 20, Add	72.75	
		For >20 To 50, Add	27.28	
		For >100 To 200, Deduct	-6.59	
		For >200 To 400, Deduct	-13.18	
		For >400, Deduct	-19.77	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	265.52	
		For 2,000 PSI Concrete, Deduct	-7.97	
		For 2,500 PSI Concrete, Deduct	-3.99	
		For 3,500 PSI Concrete, Add	7.38	
		For 3,750 PSI Concrete, Add	10.04	
		For 4,000 PSI Concrete, Add	12.70	
		For 4,500 PSI Concrete, Add	14.77	
		For 5,000 PSI Concrete, Add	16.84	
		For 6,000 PSI Concrete, Add	39.87	
		For White Cement Concrete, Add	17.72	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.77	
		For Lightweight Aggregate, ASTM C330, Add	51.69	
		For Up To 20, Add	47.14	
		For >20 To 50, Add	17.68	
		For >100 To 200, Deduct	-5.31	
		For >200 To 400, Deduct	-10.62	
		For >400, Deduct	-15.93	



	Concrete	03	03
	Cast-In-Place Concrete	03 30	
	Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0066	CY		12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	241.95	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	37.71	
			For >20 To 50, Add	14.14	
			For >100 To 200, Deduct	-4.84	
			For >200 To 400, Deduct	-9.68	
			For >400, Deduct	-14.52	
03 31 13 00-0067	CY		15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	230.17	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	33.00	
			For >20 To 50, Add	12.37	
			For >100 To 200, Deduct	-4.60	
			For >200 To 400, Deduct	-9.21	
			For >400, Deduct	-13.81	
03 31 13 00-0068	CY		Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	272.20	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.64	
			For 2,500 PSI Concrete, Deduct	-4.32	
			For 3,500 PSI Concrete, Add	8.00	
			For 3,750 PSI Concrete, Add	10.88	
			For 4,000 PSI Concrete, Add	13.76	
			For 4,500 PSI Concrete, Add	16.00	
			For 5,000 PSI Concrete, Add	18.24	
			For 6,000 PSI Concrete, Add	43.19	
			For White Cement Concrete, Add	19.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80	
			For High Early Strength, Type 3 ASTM C150, Add	16.00	
			For Lightweight Aggregate, ASTM C330, Add	55.99	
			For Up To 20, Add	44.89	
			For >20 To 50, Add	16.83	
			For >100 To 200, Deduct	-5.44	
			For >200 To 400, Deduct	-10.89	
			For >400, Deduct	-16.33	
03 31 13 00-0069	CY		12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	249.75	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.64	
			For 2,500 PSI Concrete, Deduct	-4.32	
			For 3,500 PSI Concrete, Add	8.00	
			For 3,750 PSI Concrete, Add	10.88	
			For 4,000 PSI Concrete, Add	13.76	
			For 4,500 PSI Concrete, Add	16.00	
			For 5,000 PSI Concrete, Add	18.24	
			For 6,000 PSI Concrete, Add	43.19	
			For White Cement Concrete, Add	19.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80	
			For High Early Strength, Type 3 ASTM C150, Add	16.00	
			For Lightweight Aggregate, ASTM C330, Add	55.99	
			For Up To 20, Add	35.91	
			For >20 To 50, Add	13.47	
			For >100 To 200, Deduct	-5.00	
			For >200 To 400, Deduct	-9.99	
			For >400, Deduct	-14.99	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	238.54		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.64		
		For 2,500 PSI Concrete, Deduct	-4.32		
		For 3,500 PSI Concrete, Add	8.00		
		For 3,750 PSI Concrete, Add	10.88		
		For 4,000 PSI Concrete, Add	13.76		
		For 4,500 PSI Concrete, Add	16.00		
		For 5,000 PSI Concrete, Add	18.24		
		For 6,000 PSI Concrete, Add	43.19		
		For White Cement Concrete, Add	19.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
		For High Early Strength, Type 3 ASTM C150, Add	16.00		
		For Lightweight Aggregate, ASTM C330, Add	55.99		
		For Up To 20, Add	31.42		
		For >20 To 50, Add	11.78		
		For >100 To 200, Deduct	-4.77		
		For >200 To 400, Deduct	-9.54		
		For >400, Deduct	-14.31		
03 31 13 00-0071		Place Elevated Concrete Stairs (03 31 13 00-0043)			
03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	672.92		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	210.10		
		For >20 To 50, Add	78.79		
		For >100 To 200, Deduct	-13.46		
		For >200 To 400, Deduct	-26.92		
		For >400, Deduct	-40.38		
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	385.90		
		For 2,000 PSI Concrete, Deduct	-7.97		
		For 2,500 PSI Concrete, Deduct	-3.99		
		For 3,500 PSI Concrete, Add	7.38		
		For 3,750 PSI Concrete, Add	10.04		
		For 4,000 PSI Concrete, Add	12.70		
		For 4,500 PSI Concrete, Add	14.77		
		For 5,000 PSI Concrete, Add	16.84		
		For 6,000 PSI Concrete, Add	39.87		
		For White Cement Concrete, Add	17.72		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.77		
		For Lightweight Aggregate, ASTM C330, Add	51.69		
		For Up To 20, Add	95.29		
		For >20 To 50, Add	35.73		
		For >100 To 200, Deduct	-7.72		
		For >200 To 400, Deduct	-15.44		
		For >400, Deduct	-23.15		
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	358.50		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.64		
		For 2,500 PSI Concrete, Deduct	-4.32		
		For 3,500 PSI Concrete, Add	8.00		
		For 3,750 PSI Concrete, Add	10.88		
		For 4,000 PSI Concrete, Add	13.76		
		For 4,500 PSI Concrete, Add	16.00		
		For 5,000 PSI Concrete, Add	18.24		
		For 6,000 PSI Concrete, Add	43.19		
		For White Cement Concrete, Add	19.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80		
		For High Early Strength, Type 3 ASTM C150, Add	16.00		
		For Lightweight Aggregate, ASTM C330, Add	55.99		
		For Up To 20, Add	79.41		
		For >20 To 50, Add	29.78		
		For >100 To 200, Deduct	-7.17		
		For >200 To 400, Deduct	-14.34		
		For >400, Deduct	-21.51		
03 31 13 00-0075		Place Concrete Coping (03 31 13 00-0043)			



	Concrete	03	03
	Cast-In-Place Concrete	03 30	
	Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0076	CY		Crane And Bucket, Place 3,000 PSI Concrete Coping	691.08	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	217.36	
			For >20 To 50, Add	81.51	
			For >100 To 200, Deduct	-13.82	
			For >200 To 400, Deduct	-27.64	
			For >400, Deduct	-41.46	
03 31 13 00-0077	CY		Direct Chute, Place 3,000 PSI Concrete Coping	384.30	
			For 2,000 PSI Concrete, Deduct	-7.97	
			For 2,500 PSI Concrete, Deduct	-3.99	
			For 3,500 PSI Concrete, Add	7.38	
			For 3,750 PSI Concrete, Add	10.04	
			For 4,000 PSI Concrete, Add	12.70	
			For 4,500 PSI Concrete, Add	14.77	
			For 5,000 PSI Concrete, Add	16.84	
			For 6,000 PSI Concrete, Add	39.87	
			For White Cement Concrete, Add	17.72	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.20	
			For High Early Strength, Type 3 ASTM C150, Add	14.77	
			For Lightweight Aggregate, ASTM C330, Add	51.69	
			For Up To 20, Add	94.65	
			For >20 To 50, Add	35.49	
			For >100 To 200, Deduct	-7.69	
			For >200 To 400, Deduct	-15.37	
			For >400, Deduct	-23.06	
03 31 13 00-0078	CY		Concrete Pump, Place 3,000 PSI Concrete Coping	518.38	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.64	
			For 2,500 PSI Concrete, Deduct	-4.32	
			For 3,500 PSI Concrete, Add	8.00	
			For 3,750 PSI Concrete, Add	10.88	
			For 4,000 PSI Concrete, Add	13.76	
			For 4,500 PSI Concrete, Add	16.00	
			For 5,000 PSI Concrete, Add	18.24	
			For 6,000 PSI Concrete, Add	43.19	
			For White Cement Concrete, Add	19.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.80	
			For High Early Strength, Type 3 ASTM C150, Add	16.00	
			For Lightweight Aggregate, ASTM C330, Add	55.99	
			For Up To 20, Add	143.36	
			For >20 To 50, Add	53.76	
			For >100 To 200, Deduct	-10.37	
			For >200 To 400, Deduct	-20.74	
			For >400, Deduct	-31.10	
03 31 13 00-0079			Concrete Carts (03 31 13 00-0010)		
			Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY		50' Haul, Non-Motorized, Concrete Buggy.....	29.30	
03 31 13 00-0081	CY		150' Haul, Non-Motorized, Concrete Buggy.....	39.23	
03 31 13 00-0082	CY		250' Haul, Non-Motorized, Concrete Buggy.....	52.31	
03 31 13 00-0083	CY		50' Haul, Motorized, Concrete Buggy	12.99	
03 31 13 00-0084	CY		150' Haul, Motorized, Concrete Buggy	17.42	
03 31 13 00-0085	CY		250' Haul, Motorized, Concrete Buggy	23.22	
03 31 13 00-0086			Delivery Fee For Small Concrete Purchases (Short Load) (03 31 13)		
03 31 13 00-0087	CY		Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY.....	27.69	
			Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2)		
			= 7.		
03 31 13 00-0088			Equipment Pads (03 31 13)		
03 31 13 00-0089			Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0089)		
			Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads		
			per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0090	SF		4" Equipment Pad With Welded Wire Reinforcement Assembly.....	19.78	
			For >5 To 20 Pads, Deduct	-2.52	
			For >20 To 50 Pads, Deduct	-4.61	
			For >50 Pads, Deduct	-6.71	
03 31 13 00-0091	SF		4" Equipment Pad With Rebar Assembly.....	25.58	
			For >5 To 20 Pads, Deduct	-2.90	
			For >20 To 50 Pads, Deduct	-5.32	
			For >50 Pads, Deduct	-7.74	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0092	SF		6" Equipment Pad With Rebar Assembly.....	31.86	
			For >5 To 20 Pads, Deduct	-3.65	
			For >20 To 50 Pads, Deduct	-6.69	
			For >50 Pads, Deduct	-9.73	
03 31 13 00-0093	SF		8" Equipment Pad With Rebar Assembly.....	39.75	
			For >5 To 20 Pads, Deduct	-4.64	
			For >20 To 50 Pads, Deduct	-8.50	
			For >50 Pads, Deduct	-12.36	

03 31 16 Lightweight Structural Concrete (03 31)**03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)**

03 31 16 00-0002	CY		Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	323.16	

03 35 Concrete Finishing (03 30)**03 35 13 High-Tolerance Concrete Floor Finishing (03 35)****03 35 13 00-0001 Floor Finishes (03 35 13)**

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF		Screed, Concrete Floor Finish	1.10	
			For Up To 100, Add	2.20	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.28	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000, Deduct	-0.11	
03 35 13 00-0003	SF		Darby, Concrete Floor Finish	1.32	
			For Up To 100, Add	2.64	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.33	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000, Deduct	-0.13	
03 35 13 00-0004	SF		Broom, Concrete Floor Finish	1.46	
			For Up To 100, Add	2.92	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.37	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000, Deduct	-0.15	
03 35 13 00-0005	SF		Final Float, Concrete Floor Finish	1.70	
			For Up To 100, Add	3.40	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.43	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000, Deduct	-0.17	
03 35 13 00-0006	SF		Steel Trowel, Concrete Floor Finish	1.91	
			For Up To 100, Add	3.82	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.48	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000, Deduct	-0.19	
03 35 13 00-0007	SF		Concrete Floor Finishes, Machine	1.70	
			For Up To 100, Add	3.40	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.43	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000, Deduct	-0.17	

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)**03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)**

03 35 16 00-0002	SF		0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.30	
03 35 16 00-0003	SF		0.65 Lb./SF, Metallic, Shake On Floor Hardener	1.96	
03 35 16 00-0004	SF		0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.24	
03 35 16 00-0005	SF		0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.45	

03 35 19 Colored Concrete Finishing (03 35)**03 35 19 00-0001 Concrete Surface Treatments (03 35 19)**

03 35 19 00-0002	SF		Acrylic Latex Bonding Agent	0.63	
03 35 19 00-0003	SF		Epoxy Resin Bonding Agent	3.62	
03 35 19 00-0004	SF		Clear Acrylic Sealer, Hardener And Dustproofer	0.43	
03 35 19 00-0005	SF		Colored Acrylic Sealer, Hardener And Dustproofer	0.45	

03 35 23 Exposed Aggregate Concrete Finishing (03 35)**03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)**

03 35 23 00-0002	SF		Exposed Aggregate, Concrete Floor Finish	3.93	



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Concrete Finishing	03 35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 26 Grooved Concrete Surface Finishing (03 35)				
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)				
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.85	
03 35 29 Tooled Concrete Finishing (03 35)				
03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)				
03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	16.86	
03 35 29 00-0003 Marblecrete Finishes (03 35 29)				
03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	36.65	
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	49.20	
03 35 33 Stamped Concrete Finishing (03 35)				
03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)				
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.43	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.01	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.84	
03 35 43 Polished Concrete Finishing (03 35)				
03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)				
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.				
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.09	
		For Up To 500, Add	3.96	
		For >500 To 1,000, Add	3.67	
		For >1,000 To 2,500, Add	2.43	
		For >2,500 To 4,000, Add	1.26	
		For >8,000 To 15,000, Deduct	-0.49	
		For >15,000 To 25,000, Deduct	-0.62	
		For >25,000, Deduct	-0.88	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.67	
		For Up To 500, Add	3.14	
		For >500 To 1,000, Add	2.92	
		For >1,000 To 2,500, Add	1.93	
		For >2,500 To 4,000, Add	1.00	
		For >8,000 To 15,000, Deduct	-0.39	
		For >15,000 To 25,000, Deduct	-0.49	
		For >25,000, Deduct	-0.70	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.40	
		For Up To 500, Add	2.62	
		For >500 To 1,000, Add	2.43	
		For >1,000 To 2,500, Add	1.61	
		For >2,500 To 4,000, Add	0.84	
		For >8,000 To 15,000, Deduct	-0.32	
		For >15,000 To 25,000, Deduct	-0.41	
		For >25,000, Deduct	-0.58	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.31	
		For Up To 500, Add	2.44	
		For >500 To 1,000, Add	2.27	
		For >1,000 To 2,500, Add	1.50	
		For >2,500 To 4,000, Add	0.78	
		For >8,000 To 15,000, Deduct	-0.30	
		For >15,000 To 25,000, Deduct	-0.38	
		For >25,000, Deduct	-0.54	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.21	
		For Up To 500, Add	2.25	
		For >500 To 1,000, Add	2.09	
		For >1,000 To 2,500, Add	1.38	
		For >2,500 To 4,000, Add	0.72	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.50	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.21	
		For Up To 500, Add	2.25	
		For >500 To 1,000, Add	2.09	
		For >1,000 To 2,500, Add	1.38	
		For >2,500 To 4,000, Add	0.72	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.50	

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0008	SF		Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.21	
			For Up To 500, Add	2.25	
			For >500 To 1,000, Add	2.09	
			For >1,000 To 2,500, Add	1.38	
			For >2,500 To 4,000, Add	0.72	
			For >8,000 To 15,000, Deduct	-0.28	
			For >15,000 To 25,000, Deduct	-0.35	
			For >25,000, Deduct	-0.50	
03 35 43 00-0009	SF		Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.21	
			For Up To 500, Add	2.25	
			For >500 To 1,000, Add	2.09	
			For >1,000 To 2,500, Add	1.38	
			For >2,500 To 4,000, Add	0.72	
			For >8,000 To 15,000, Deduct	-0.28	
			For >15,000 To 25,000, Deduct	-0.35	
			For >25,000, Deduct	-0.50	
03 35 43 00-0010	SF		High Speed Burnish Concrete Floor With Diamond Pads.....	0.30	
			For Up To 500, Add	0.49	
			For >500 To 1,000, Add	0.45	
			For >1,000 To 2,500, Add	0.30	
			For >2,500 To 4,000, Add	0.16	
			For >8,000 To 15,000, Deduct	-0.06	
			For >15,000 To 25,000, Deduct	-0.08	
			For >25,000, Deduct	-0.11	
03 35 43 00-0011	SF		Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.62	
			For Up To 500, Add	0.60	
			For >500 To 1,000, Add	0.56	
			For >1,000 To 2,500, Add	0.37	
			For >2,500 To 4,000, Add	0.19	
			For >8,000 To 15,000, Deduct	-0.07	
			For >15,000 To 25,000, Deduct	-0.09	
			For >25,000, Deduct	-0.13	
03 35 43 00-0012	SF		Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.08	
			For Up To 500, Add	0.89	
			For >500 To 1,000, Add	0.83	
			For >1,000 To 2,500, Add	0.55	
			For >2,500 To 4,000, Add	0.29	
			For >8,000 To 15,000, Deduct	-0.11	
			For >15,000 To 25,000, Deduct	-0.14	
			For >25,000, Deduct	-0.20	
03 35 43 00-0013	SF		Concrete Floor Polishing Final Cleanup.....	0.16	
			For Up To 500, Add	0.31	
			For >500 To 1,000, Add	0.29	
			For >1,000 To 2,500, Add	0.19	
			For >2,500 To 4,000, Add	0.10	
			For >8,000 To 15,000, Deduct	-0.04	
			For >15,000 To 25,000, Deduct	-0.05	
			For >25,000, Deduct	-0.07	
03 35 63			Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001			Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002	SF		Aluminum Oxide Abrasive Floor Finish, 0.25 Lb/SF	1.78	
			For Up To 100, Add	2.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000, Deduct	-0.11	
03 35 63 00-0003	SF		Silicone Carbide Abrasive Floor Finish 0.25 Lb/SF.....	1.64	
			For Up To 100, Add	2.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000, Deduct	-0.11	
03 35 66			Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001			Acid Etch Floor (03 35 66)		
03 35 66 00-0002	SF		Concrete Floor Finishes, Etch With Acid And Rinse	0.98	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000, Deduct	-0.05	
03 35 83			Concrete Wall Finishing (03 35)		
03 35 83 00-0001			Wall Finishes (03 35 83)		



	Concrete	03	03
	Cast-In-Place Concrete	03 30	
	Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes.....	1.93	
For Up To 100, Add	3.68	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.46	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.18	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes.....	2.89	
For Up To 100, Add	5.52	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.69	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000, Deduct	-0.28	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes.....	1.08	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.06	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.89	
For Up To 100, Add	11.70	
For >100 To 250, Add	2.93	
For >250 To 500, Add	1.46	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000, Deduct	-0.59	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	9.13	
For Up To 100, Add	18.08	
For >100 To 250, Add	4.52	
For >250 To 500, Add	2.26	
For >5,000 To 10,000, Deduct	-0.45	
For >10,000, Deduct	-0.90	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes.....	1.10	
For Up To 100, Add	1.98	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes.....	3.79	
For Up To 100, Add	7.36	
For >100 To 250, Add	1.84	
For >250 To 500, Add	0.92	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000, Deduct	-0.37	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes.....	5.79	
For Up To 100, Add	11.36	
For >100 To 250, Add	2.84	
For >250 To 500, Add	1.42	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000, Deduct	-0.57	
03 35 83 00-0010 SF Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes.....	6.04	
Note: 4.5 Lb. of sand or abrasive media material per SF		
For Up To 100, Add	9.78	
For >100 To 250, Add	2.45	
For >250 To 500, Add	1.22	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000, Deduct	-0.49	
03 35 83 00-0011 SF 1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes.....	12.08	
Note: 9 Lb. of sand abrasive media material per SF		
For Up To 100, Add	19.58	
For >100 To 250, Add	4.90	
For >250 To 500, Add	2.45	
For >5,000 To 10,000, Deduct	-0.49	
For >10,000, Deduct	-0.98	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced.....	3.81	
For Up To 25, Add	0.73	
For >25 To 50, Add	0.43	
For >50 To 150, Add	0.18	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced.....	7.16	
For Up To 25, Add	1.35	
For >25 To 50, Add	0.78	
For >50 To 150, Add	0.32	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced.....	10.10	
For Up To 25, Add	1.87	
For >25 To 50, Add	1.08	
For >50 To 150, Add	0.43	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced.....	12.71	
For Up To 25, Add	2.30	
For >25 To 50, Add	1.32	
For >50 To 150, Add	0.51	

03 Concrete**03 30 Cast-In-Place Concrete****03 37 Specialty Placed Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0006	SF		6" Thick Shotcrete, Fiber Reinforced	17.10	
			For Up To 25, Add	2.96	
			For >25 To 50, Add	1.69	
			For >50 To 150, Add	0.62	
03 37 13 00-0007			Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)		
			See CSI section 03 22 11 00-0001 for wire mesh reinforcing.		
03 37 13 00-0008	SF		1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.24	
			For Radius Or Irregular Surface, Add	1.30	
			For Up To 25, Add	0.91	
			For >25 To 50, Add	0.54	
			For >50 To 150, Add	0.24	
03 37 13 00-0009	SF		2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.81	
			For Radius Or Irregular Surface, Add	2.33	
			For Up To 25, Add	1.65	
			For >25 To 50, Add	0.97	
			For >50 To 150, Add	0.44	
03 37 13 00-0010	SF		3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.85	
			For Radius Or Irregular Surface, Add	3.14	
			For Up To 25, Add	2.26	
			For >25 To 50, Add	1.33	
			For >50 To 150, Add	0.59	
03 37 13 00-0011	SF		4" Thick Gunite (Dry Mix Shotcrete), Sprayed	13.42	
			For Radius Or Irregular Surface, Add	3.77	
			For Up To 25, Add	2.76	
			For >25 To 50, Add	1.61	
			For >50 To 150, Add	0.71	
03 37 13 00-0012	SF		5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.59	
			For Radius Or Irregular Surface, Add	4.24	
			For Up To 25, Add	3.15	
			For >25 To 50, Add	1.84	
			For >50 To 150, Add	0.80	
03 37 13 00-0013	SF		6" Thick Gunite (Dry Mix Shotcrete), Sprayed	17.43	
			For Radius Or Irregular Surface, Add	4.58	
			For Up To 25, Add	3.46	
			For >25 To 50, Add	2.02	
			For >50 To 150, Add	0.86	
03 37 13 00-0014	SF		8" Thick Gunite (Dry Mix Shotcrete), Sprayed	21.71	
			For Radius Or Irregular Surface, Add	5.50	
			For Up To 25, Add	4.23	
			For >25 To 50, Add	2.46	
			For >50 To 150, Add	1.03	
03 37 13 00-0015	SF		10" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.42	
			For Radius Or Irregular Surface, Add	6.18	
			For Up To 25, Add	4.86	
			For >25 To 50, Add	2.82	
			For >50 To 150, Add	1.16	
03 37 13 00-0016	SF		12" Thick Gunite (Dry Mix Shotcrete), Sprayed	28.65	
			For Radius Or Irregular Surface, Add	6.68	
			For Up To 25, Add	5.37	
			For >25 To 50, Add	3.10	
			For >50 To 150, Add	1.25	

03 37 16 Pumped Concrete (03 37)**03 37 16 00-0001 Concrete Pumping With Boom Truck** (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR		55' To 60' Boom Truck For Concrete Placement	272.20	
			Note: 95 CY per hour rating		
03 37 16 00-0003	HR		70' To 80' Boom Truck For Concrete Placement	294.92	
			Note: 117 CY per hour rating		
03 37 16 00-0004	HR		90' To 100' Boom Truck For Concrete Placement	376.96	
			Note: 117 CY per hour rating		
03 37 16 00-0005	HR		105' To 115' Boom Truck For Concrete Placement	428.04	
			Note: 117 CY per hour rating		
03 37 16 00-0006	HR		120' To 130' Boom Truck For Concrete Placement	480.75	
			Note: 170 CY per hour rating		
03 37 16 00-0007	HR		135' To 140' Boom Truck For Concrete Placement	592.38	
			Note: 170 CY per hour rating		
03 37 16 00-0008	HR		148' To 155' Boom Truck For Concrete Placement	658.98	
			Note: 170 CY per hour rating		
03 37 16 00-0009	HR		170' To 175' Boom Truck For Concrete Placement	820.29	
			Note: 182 CY per hour rating		
03 37 16 00-0010	HR		35 CY/HR, 66 HP Trailer Mounted Concrete Pump	191.51	
			Note: Includes hoses		

03 39 Concrete Curing (03 30)



		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Concrete Curing	03 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound.....	0.40	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.				

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets.....	35.44	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket.....	190.49	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket.....	42.62	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	380.46	304.39
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	422.94	338.28
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	449.09	359.25
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	476.09	380.90
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	509.50	407.58
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	544.53	435.63
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	584.73	467.75
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	635.94	508.73
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	691.46	553.24

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.				
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	34.65	
For 3,500 PSI Concrete, Add			0.69	
For 4,000 PSI Concrete, Add			1.04	
For 4,500 PSI Concrete, Add			1.39	
For 5,000 PSI Concrete, Add			2.08	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	41.58	
For 3,500 PSI Concrete, Add			0.83	
For 4,000 PSI Concrete, Add			1.25	
For 4,500 PSI Concrete, Add			1.66	
For 5,000 PSI Concrete, Add			2.49	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	50.82	
For 3,500 PSI Concrete, Add			1.02	
For 4,000 PSI Concrete, Add			1.52	
For 4,500 PSI Concrete, Add			2.03	
For 5,000 PSI Concrete, Add			3.05	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	67.45	
For 3,500 PSI Concrete, Add			1.35	
For 4,000 PSI Concrete, Add			2.02	
For 4,500 PSI Concrete, Add			2.70	
For 5,000 PSI Concrete, Add			4.05	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	467.39	373.90
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	509.43	407.59
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	563.06	450.38
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	625.21	500.13
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	702.79	562.18

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	587.43	469.98
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	640.27	512.18
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	707.67	566.17
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	785.78	628.65
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	883.29	706.70
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	960.41	768.26
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	1,061.49	849.19
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,174.86	939.95
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,329.79	1,063.83
03 41 16 00-0034 Material Cost (03 41 16 00-0017) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035 4" Slab (03 41 16 00-0034)		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,649.76	
For 3,500 PSI Concrete, Add	73.00	
For 4,000 PSI Concrete, Add	109.49	
For 4,500 PSI Concrete, Add	145.99	
For 5,000 PSI Concrete, Add	218.99	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,695.96	
For 3,500 PSI Concrete, Add	73.92	
For 4,000 PSI Concrete, Add	110.88	
For 4,500 PSI Concrete, Add	147.84	
For 5,000 PSI Concrete, Add	221.76	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,157.96	
For 3,500 PSI Concrete, Add	83.16	
For 4,000 PSI Concrete, Add	124.74	
For 4,500 PSI Concrete, Add	166.32	
For 5,000 PSI Concrete, Add	249.48	
03 41 16 00-0039 5" Slab (03 41 16 00-0034)		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,742.16	
For 3,500 PSI Concrete, Add	74.84	
For 4,000 PSI Concrete, Add	112.26	
For 4,500 PSI Concrete, Add	149.69	
For 5,000 PSI Concrete, Add	224.53	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,880.76	
For 3,500 PSI Concrete, Add	77.62	
For 4,000 PSI Concrete, Add	116.42	
For 4,500 PSI Concrete, Add	155.23	
For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,943.35	
For 3,500 PSI Concrete, Add	98.87	
For 4,000 PSI Concrete, Add	148.30	
For 4,500 PSI Concrete, Add	197.73	
For 5,000 PSI Concrete, Add	296.60	
03 41 16 00-0043 6" Slab (03 41 16 00-0034)		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,880.76	
For 3,500 PSI Concrete, Add	77.62	
For 4,000 PSI Concrete, Add	116.42	
For 4,500 PSI Concrete, Add	155.23	
For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,619.96	
For 3,500 PSI Concrete, Add	92.40	
For 4,000 PSI Concrete, Add	138.60	
For 4,500 PSI Concrete, Add	184.80	
For 5,000 PSI Concrete, Add	277.20	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,636.35	
For 3,500 PSI Concrete, Add	112.73	
For 4,000 PSI Concrete, Add	169.09	
For 4,500 PSI Concrete, Add	225.45	
For 5,000 PSI Concrete, Add	338.18	
03 41 19 Precast Concrete Wall Panels (03 41)		
03 41 19 00-0001 Structural Wall Panels (03 41 19) Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	375.00	300.02
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	416.86	333.43
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	469.26	375.43
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	502.19	401.73



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	536.71	429.37
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	576.33	461.04
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	626.81	501.42
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	681.53	545.30
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	420.45	336.31
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	467.39	373.90
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	526.13	420.97
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	563.06	450.38
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	601.77	481.41
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	646.19	516.98
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	702.79	562.18
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	764.14	611.26
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	844.58	675.71
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	934.78	747.79
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,058.05	846.48
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,203.52	962.82
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,395.39	1,116.34
03 41 19 00-0025 Material Cost (03 41 19 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	46.20	
For 3,500 PSI Concrete, Add	0.92	
For 4,000 PSI Concrete, Add	1.39	
For 4,500 PSI Concrete, Add	1.85	
For 5,000 PSI Concrete, Add	2.77	
For White Facing, Add	9.24	
For Solid White Through Thickness, Add	9.24	
For Broken Rib Finish, Add	4.62	
For Fluted Surface, Add	4.62	
For Exposed Aggregate, Add	9.24	
For Sandblasting Of Surface, Add	4.62	
For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	56.82	
For 3,500 PSI Concrete, Add	1.14	
For 4,000 PSI Concrete, Add	1.70	
For 4,500 PSI Concrete, Add	2.27	
For 5,000 PSI Concrete, Add	3.41	
For White Facing, Add	11.36	
For Solid White Through Thickness, Add	11.36	
For Broken Rib Finish, Add	5.68	
For Fluted Surface, Add	5.68	
For Exposed Aggregate, Add	11.36	
For Sandblasting Of Surface, Add	5.68	
For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	68.38	
For 3,500 PSI Concrete, Add	1.37	
For 4,000 PSI Concrete, Add	2.05	
For 4,500 PSI Concrete, Add	2.74	
For 5,000 PSI Concrete, Add	4.10	
For White Facing, Add	13.68	
For Solid White Through Thickness, Add	13.68	
For Broken Rib Finish, Add	6.84	
For Fluted Surface, Add	6.84	
For Exposed Aggregate, Add	13.68	
For Sandblasting Of Surface, Add	6.84	
For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	90.09	
For 3,500 PSI Concrete, Add	1.80	
For 4,000 PSI Concrete, Add	2.70	
For 4,500 PSI Concrete, Add	3.60	
For 5,000 PSI Concrete, Add	5.41	
For White Facing, Add	18.02	
For Solid White Through Thickness, Add	18.02	
For Broken Rib Finish, Add	9.01	
For Fluted Surface, Add	9.01	
For Exposed Aggregate, Add	18.02	
For Sandblasting Of Surface, Add	9.01	
For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0030 Partition Panels (03 41 19)		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	298.47	238.73
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	331.80	265.46
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	373.50	298.79

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	427.18	341.74
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	458.73	367.01
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	498.91	399.11
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	542.45	434.02
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	599.56	479.67

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	375.00	300.02
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	416.86	333.43
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	469.26	375.43
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	536.71	429.37
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	576.33	461.04
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	626.81	501.42
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	681.53	545.30
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	753.28	602.59
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	833.73	667.00
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	943.66	754.88
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,073.42	858.73
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,244.55	995.60

03 41 19 00-0053 Material Cost (03 41 19 00-0030)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	43.89	
For 4,000 PSI Concrete, Add	1.32	
For 4,500 PSI Concrete, Add	1.76	
For 5,000 PSI Concrete, Add	2.63	
For White Facing, Add	8.78	
For Solid White Through Thickness, Add	8.78	
For Broken Rib Finish, Add	4.39	
For Fluted Surface, Add	4.39	
For Exposed Aggregate, Add	8.78	
For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	54.05	
For 4,000 PSI Concrete, Add	1.62	
For 4,500 PSI Concrete, Add	2.16	
For 5,000 PSI Concrete, Add	3.24	
For White Facing, Add	10.81	
For Solid White Through Thickness, Add	10.81	
For Broken Rib Finish, Add	5.41	
For Fluted Surface, Add	5.41	
For Exposed Aggregate, Add	10.81	
For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	64.68	
For 4,000 PSI Concrete, Add	1.94	
For 4,500 PSI Concrete, Add	2.59	
For 5,000 PSI Concrete, Add	3.88	
For White Facing, Add	12.94	
For Solid White Through Thickness, Add	12.94	
For Broken Rib Finish, Add	6.47	
For Fluted Surface, Add	6.47	
For Exposed Aggregate, Add	12.94	
For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	85.47	
For 4,000 PSI Concrete, Add	2.56	
For 4,500 PSI Concrete, Add	3.42	
For 5,000 PSI Concrete, Add	5.13	
For White Facing, Add	17.09	
For Solid White Through Thickness, Add	17.09	
For Broken Rib Finish, Add	8.55	
For Fluted Surface, Add	8.55	
For Exposed Aggregate, Add	17.09	
For Sandblasting Of Surface, Add	8.55	

03 41 19 00-0058 Cladding Panels (03 41 19)**03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	395.73	316.52
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	442.64	354.09
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	502.19	401.73
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	536.71	429.37
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	576.33	461.04
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	626.81	501.42
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	681.53	545.30
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	753.28	602.59



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 41 19 00-0068	Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0068) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 19 00-0069	EA		Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	443.70	354.90
03 41 19 00-0070	EA		Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	496.30	397.03
03 41 19 00-0071	EA		Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	563.06	450.38
03 41 19 00-0072	EA		Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	601.77	481.41
03 41 19 00-0073	EA		Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	646.19	516.98
03 41 19 00-0074	EA		Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	702.79	562.18
03 41 19 00-0075	EA		Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	764.14	611.26
03 41 19 00-0076	EA		Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	844.58	675.71
03 41 19 00-0077	EA		Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	934.78	747.79
03 41 19 00-0078	EA		Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,058.05	846.48
03 41 19 00-0079	EA		Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,203.52	962.82
03 41 19 00-0080	EA		Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,395.39	1,116.34

03 41 19 00-0081	Material Cost (03 41 19 00-0081) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.				
03 41 19 00-0082	SF		4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	43.89	
			For 3,500 PSI Concrete, Add	0.88	
			For 4,000 PSI Concrete, Add	1.32	
			For 4,500 PSI Concrete, Add	1.76	
			For 5,000 PSI Concrete, Add	2.63	
			For White Facing, Add	8.78	
			For Solid White Through Thickness, Add	8.78	
			For Broken Rib Finish, Add	4.39	
			For Fluted Surface, Add	4.39	
			For Exposed Aggregate, Add	8.78	
			For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	54.05	
			For 3,500 PSI Concrete, Add	1.08	
			For 4,000 PSI Concrete, Add	1.62	
			For 4,500 PSI Concrete, Add	2.16	
			For 5,000 PSI Concrete, Add	3.24	
			For White Facing, Add	10.81	
			For Solid White Through Thickness, Add	10.81	
			For Broken Rib Finish, Add	5.41	
			For Fluted Surface, Add	5.41	
			For Exposed Aggregate, Add	10.81	
			For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	64.68	
			For 3,500 PSI Concrete, Add	1.29	
			For 4,000 PSI Concrete, Add	1.94	
			For 4,500 PSI Concrete, Add	2.59	
			For 5,000 PSI Concrete, Add	3.88	
			For White Facing, Add	12.94	
			For Solid White Through Thickness, Add	12.94	
			For Broken Rib Finish, Add	6.47	
			For Fluted Surface, Add	6.47	
			For Exposed Aggregate, Add	12.94	
			For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	85.47	
			For 3,500 PSI Concrete, Add	1.71	
			For 4,000 PSI Concrete, Add	2.56	
			For 4,500 PSI Concrete, Add	3.42	
			For 5,000 PSI Concrete, Add	5.13	
			For White Facing, Add	17.09	
			For Solid White Through Thickness, Add	17.09	
			For Broken Rib Finish, Add	8.55	
			For Fluted Surface, Add	8.55	
			For Exposed Aggregate, Add	17.09	
			For Sandblasting Of Surface, Add	8.55	

03 41 19 00-0086	Sandwich Panel (03 41 19) Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	395.73	316.52
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	442.64	354.09
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	502.19	401.73
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	536.71	429.37
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	576.33	461.04
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	626.81	501.42
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	681.53	545.30
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	753.28	602.59

03 41 19 00-0096	Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0096) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	401.50	321.14
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	449.09	359.25
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	509.50	407.58
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	544.53	435.63
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	584.73	467.75
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	635.94	508.73
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	691.46	553.24
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	764.25	611.37
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	845.87	676.71
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	957.41	765.88
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,089.06	871.24
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,262.68	1,010.10

03 41 19 00-0109 Material Cost (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06	
For 3,500 PSI Concrete, Add	1.20	
For 4,000 PSI Concrete, Add	1.80	
For 4,500 PSI Concrete, Add	2.40	
For 5,000 PSI Concrete, Add	3.60	
For White Facing, Add	12.01	
For Solid White Through Thickness, Add	12.01	
For Broken Rib Finish, Add	6.01	
For Fluted Surface, Add	6.01	
For Exposed Aggregate, Add	12.01	
For Sandblasting Of Surface, Add	6.01	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69	
For 3,500 PSI Concrete, Add	1.41	
For 4,000 PSI Concrete, Add	2.12	
For 4,500 PSI Concrete, Add	2.83	
For 5,000 PSI Concrete, Add	4.24	
For White Facing, Add	14.14	
For Solid White Through Thickness, Add	14.14	
For Broken Rib Finish, Add	7.07	
For Fluted Surface, Add	7.07	
For Exposed Aggregate, Add	14.14	
For Sandblasting Of Surface, Add	7.07	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24	
For 3,500 PSI Concrete, Add	1.64	
For 4,000 PSI Concrete, Add	2.47	
For 4,500 PSI Concrete, Add	3.29	
For 5,000 PSI Concrete, Add	4.93	
For White Facing, Add	16.45	
For Solid White Through Thickness, Add	16.45	
For Broken Rib Finish, Add	8.22	
For Fluted Surface, Add	8.22	
For Exposed Aggregate, Add	16.45	
For Sandblasting Of Surface, Add	8.22	
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95	
For 3,500 PSI Concrete, Add	2.08	
For 4,000 PSI Concrete, Add	3.12	
For 4,500 PSI Concrete, Add	4.16	
For 5,000 PSI Concrete, Add	6.24	
For White Facing, Add	20.79	
For Solid White Through Thickness, Add	20.79	
For Broken Rib Finish, Add	10.40	
For Fluted Surface, Add	10.40	
For Exposed Aggregate, Add	20.79	
For Sandblasting Of Surface, Add	10.40	

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane** (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002 EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	416.86	333.43
03 41 23 00-0003 EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	442.64	354.09
03 41 23 00-0004 EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	469.26	375.43
03 41 23 00-0005 EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	502.19	401.73
03 41 23 00-0006 EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	536.71	429.37
03 41 23 00-0007 EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	576.33	461.04
03 41 23 00-0008 EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	626.81	501.42
03 41 23 00-0009 EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	681.53	545.30

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011 EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	416.86	333.43
03 41 23 00-0012 EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	442.64	354.09
03 41 23 00-0013 EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	469.26	375.43



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0014 EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	502.19	401.73
03 41 23 00-0015 EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	536.71	429.37
03 41 23 00-0016 EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	576.33	461.04
03 41 23 00-0017 EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	626.81	501.42
03 41 23 00-0018 EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	681.53	545.30
03 41 23 00-0019 Material Cost (03 41 23) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	925.89	
For 3,500 PSI Concrete, Add	120.83	
For 4,000 PSI Concrete, Add	227.03	
For 4,500 PSI Concrete, Add	333.69	
For 5,000 PSI Concrete, Add	453.96	
03 41 26 Precast Concrete Structural Sections (03 41)		
03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)		
03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	526.13	420.97
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	563.06	450.38
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	601.77	481.41
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	646.19	516.98
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	661.26	528.97
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	707.67	566.17
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	756.31	605.05
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	812.15	649.68
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	883.29	706.70
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	960.41	768.26
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,061.49	849.19
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,174.86	939.95
03 41 26 00-0016 Material Cost (03 41 26 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15	
For 3,500 PSI Concrete, Add	5.05	
For 4,000 PSI Concrete, Add	7.59	
For 4,500 PSI Concrete, Add	10.11	
For 5,000 PSI Concrete, Add	15.18	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44	
For 3,500 PSI Concrete, Add	6.32	
For 4,000 PSI Concrete, Add	9.49	
For 4,500 PSI Concrete, Add	12.64	
For 5,000 PSI Concrete, Add	18.98	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73	
For 3,500 PSI Concrete, Add	7.58	
For 4,000 PSI Concrete, Add	11.39	
For 4,500 PSI Concrete, Add	15.16	
For 5,000 PSI Concrete, Add	22.77	
03 41 26 00-0021 3,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44	
For 3,500 PSI Concrete, Add	6.32	
For 4,000 PSI Concrete, Add	9.49	
For 4,500 PSI Concrete, Add	12.64	
For 5,000 PSI Concrete, Add	18.98	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73	
For 3,500 PSI Concrete, Add	7.58	
For 4,000 PSI Concrete, Add	11.39	
For 4,500 PSI Concrete, Add	15.16	
For 5,000 PSI Concrete, Add	22.77	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30	
For 3,500 PSI Concrete, Add	10.11	
For 4,000 PSI Concrete, Add	15.18	
For 4,500 PSI Concrete, Add	20.22	
For 5,000 PSI Concrete, Add	30.36	
03 41 26 00-0025 5,000 Lb./LF Live Load (03 41 26 00-0016)		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0026 LF Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	324.01 8.85 13.28 17.69 26.57	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	370.30 10.11 15.18 20.22 30.36	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	462.87 12.64 18.98 25.27 37.96	
03 41 26 00-0029 Precast Concrete Columns (03 41 26)		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	304.63	243.68
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	323.89	259.06
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	347.11	277.71
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	372.33	297.85
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	401.50	321.14
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	435.63	348.50
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	476.09	380.90
03 41 26 00-0038 Material Cost (03 41 26 00-0029) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	958.30 71.87 135.12 199.33 271.20	
03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	981.97 73.65 138.46 204.25 277.90	
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	981.97 73.65 138.46 204.25 277.90	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY..... For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For 4,500 PSI Concrete, Add For 5,000 PSI Concrete, Add	983.86 73.79 138.72 204.64 278.43	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	19.51	2.50
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	24.32	2.50
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	29.16	2.62
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	34.00	2.74
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	43.89	3.24
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	62.01	8.85
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	51.56	5.36
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.91	4.62
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	31.81	0.99
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor.....	33.20	0.99
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	52.92	0.87
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	72.88	0.87
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	36.09	1.50
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	55.95	0.99
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	39.09	2.00
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	62.59	2.25
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	72.53	1.38
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	95.98	1.24
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	101.07	1.24
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,189.08	359.27
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,627.74	399.19
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,495.01	449.09
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,333.96	326.71
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,319.11	359.27
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,633.81	359.27
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,841.00	399.19
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,143.89	449.09
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,260.80	513.45
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,717.04	359.27
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	16,701.86	399.19
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	27,411.78	449.09
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,509.77	326.71
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,967.23	359.27
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,939.40	359.27
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,220.71	399.19
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,523.60	449.09
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,325.82	513.45

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.62	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	34.99	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.63	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.83	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.41	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.62	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.66	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.46	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.62	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.50	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.29	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.91	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.04	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.29	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.41	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.87	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.91	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.54	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.87	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.50	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.95	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.58	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.38	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.95	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.17	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.12	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.73	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.35	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.87	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.65	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.02	
03 48 Precast Concrete Specialties (03 40)		
03 48 16 Precast Concrete Splash Blocks (03 48)		
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3"	44.04	4.70
03 48 21 Precast Concrete Handrails (03 48)		
03 48 21 00-0001 Installation Cost (03 48 21)		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail	170.51	76.76
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail	204.48	91.99
03 48 21 00-0004 Material Cost (03 48 21)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34	
For 3,500 PSI Concrete, Add	238.64	
For 4,000 PSI Concrete, Add	448.39	
For 4,500 PSI Concrete, Add	659.05	
For 5,000 PSI Concrete, Add	896.60	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23	
For 3,500 PSI Concrete, Add	247.70	
For 4,000 PSI Concrete, Add	465.42	
For 4,500 PSI Concrete, Add	684.08	
For 5,000 PSI Concrete, Add	930.65	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12	
For 3,500 PSI Concrete, Add	256.77	
For 4,000 PSI Concrete, Add	482.45	
For 4,500 PSI Concrete, Add	709.11	
For 5,000 PSI Concrete, Add	964.69	



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Concrete Specialties	03 48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 21 00-0008	CY		8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	4,120.30	
			For 3,500 PSI Concrete, Add	268.85	
			For 4,000 PSI Concrete, Add	505.15	
			For 4,500 PSI Concrete, Add	742.48	
			For 5,000 PSI Concrete, Add	1,010.09	
03 48 22 Precast Concrete Sun Screen and Trellis (03 48)					
03 48 22 00-0001			Sun Screen Blades (03 48 22)		
03 48 22 00-0002			Installation Cost (03 48 22 00-0001)		
			Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA		Install Precast Sun Screen Blade, 0-1 Ton/Each.....	85.26	38.38
03 48 22 00-0004	EA		Install Precast Sun Screen Blade, 1-2 Ton/Each.....	102.43	46.06
03 48 22 00-0005	EA		Install Precast Sun Screen Blade, 2-3 Ton/Each.....	127.97	57.63
03 48 22 00-0006			Material Cost (03 48 22 00-0001)		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY		4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,888.82	
			For 3,500 PSI Concrete, Add	253.75	
			For 4,000 PSI Concrete, Add	476.77	
			For 4,500 PSI Concrete, Add	700.77	
			For 5,000 PSI Concrete, Add	953.34	
03 48 22 00-0008	CY		5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,027.71	
			For 3,500 PSI Concrete, Add	262.81	
			For 4,000 PSI Concrete, Add	493.80	
			For 4,500 PSI Concrete, Add	725.79	
			For 5,000 PSI Concrete, Add	987.39	
03 48 22 00-0009	CY		6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,212.89	
			For 3,500 PSI Concrete, Add	274.89	
			For 4,000 PSI Concrete, Add	516.50	
			For 4,500 PSI Concrete, Add	759.16	
			For 5,000 PSI Concrete, Add	1,032.79	
03 48 22 00-0010	CY		8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,398.07	
			For 3,500 PSI Concrete, Add	286.97	
			For 4,000 PSI Concrete, Add	539.20	
			For 4,500 PSI Concrete, Add	792.53	
			For 5,000 PSI Concrete, Add	1,078.19	
03 48 22 00-0011			Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012			Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA		Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane.....	395.73	178.05
03 48 22 00-0014	EA		Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane.....	442.64	199.26
03 48 22 00-0015	EA		Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane.....	502.19	225.96
03 48 22 00-0016	EA		Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane.....	536.71	241.52
03 48 22 00-0017			Material Cost (03 48 22 00-0011)		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY		4" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,490.66	
			For 3,500 PSI Concrete, Add	293.02	
			For 4,000 PSI Concrete, Add	550.55	
			For 4,500 PSI Concrete, Add	809.22	
			For 5,000 PSI Concrete, Add	1,100.89	
03 48 22 00-0019	CY		5" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,629.55	
			For 3,500 PSI Concrete, Add	302.08	
			For 4,000 PSI Concrete, Add	567.58	
			For 4,500 PSI Concrete, Add	834.24	
			For 5,000 PSI Concrete, Add	1,134.93	
03 48 22 00-0020	CY		6" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,814.73	
			For 3,500 PSI Concrete, Add	314.16	
			For 4,000 PSI Concrete, Add	590.29	
			For 4,500 PSI Concrete, Add	867.61	
			For 5,000 PSI Concrete, Add	1,180.33	
03 48 22 00-0021	CY		8" Thick 3,000 PSI Concrete Precast Trellises Blades.....	5,046.21	
			For 3,500 PSI Concrete, Add	329.27	
			For 4,000 PSI Concrete, Add	618.67	
			For 4,500 PSI Concrete, Add	909.33	
			For 5,000 PSI Concrete, Add	1,237.08	
03 48 24 Precast Minaret Segments (03 48)					
03 48 24 00-0001			Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002			L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003	EA		Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	385.08	308.07
03 48 24 00-0004	EA		Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	431.52	345.24
03 48 24 00-0005	EA		Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	487.91	390.32
03 48 24 00-0006	EA		Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	520.44	416.35

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0007	O - Shaped Segments (03 48 24 00-0001)			
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	406.98	325.65
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	456.77	365.37
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	517.31	413.81
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	554.02	443.19
03 48 24 00-0012	Platform Segment (03 48 24 00-0001)			
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	780.67	624.59
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	943.66	754.88
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,047.24	837.80
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,176.35	941.12
03 48 24 00-0017	Cap Segment (03 48 24 00-0001)			
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	427.23	341.75
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	477.08	381.60
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	543.51	434.73
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	580.23	464.12
03 48 24 00-0022	Installation Costs Using A 90 Ton Crawler Crane (03 48 24)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.				
03 48 24 00-0023	L - Shaped Segments (03 48 24 00-0022)			
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	390.69	312.56
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	437.81	350.27
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	495.02	396.01
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	528.02	422.42
03 48 24 00-0028	O - Shaped Segment (03 48 24 00-0022)			
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	412.91	330.39
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	463.43	370.69
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	524.85	419.83
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	562.09	449.65
03 48 24 00-0033	Platform Segment (03 48 24 00-0022)			
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	631.34	505.05
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	764.25	611.37
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	845.87	676.71
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	957.41	765.88
03 48 24 00-0038	Cap Segment (03 48 24 00-0022)			
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	433.46	346.73
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	484.03	387.16
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	551.42	441.07
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	588.68	470.88
03 48 24 00-0043	Material Costs (03 48 24)			
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.				
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	11,110.30	
Note: Including Post Tension Cost				
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	11,110.30	
Note: Including Post Tension Cost				
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	11,110.30	
Note: Including Post Tension Cost				
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	11,110.30	
Note: Including Post Tension Cost				
03 48 29	Precast Accessories (03 48)			
Note: Includes installation labor, material and equipment.				
03 48 29 00-0001	Bearing Pads For Precast Members (03 48 29)			
03 48 29 00-0002	Continuous 2" Wide Strips (03 48 29 00-0001)			
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.58	
Note: For precast members				
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	2.21	
Note: For precast members.				
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.59	
Note: For precast members				
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	5.00	
Note: For precast members				



Concrete			03	03
Precast Concrete			03 40	
Precast Concrete Specialties			03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips.....	6.47	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips.....	9.27	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes	89.15	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section	57.34	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support.....	16.32	
03 48 46 Precast Skylight Shells (03 48)		
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane (03 48 46)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	563.06	253.41
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	625.21	281.36
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	702.79	316.26
03 48 46 00-0005 Material Cost (03 48 46)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20	
03 48 49 Precast Landings (03 48)		
03 48 49 00-0001 SF 3" Thick Precast Landing.....	116.43	
03 48 49 00-0002 SF 4" Thick Precast Landing.....	135.73	
03 48 49 00-0003 SF 5" Thick Precast Landing.....	154.22	
03 48 49 00-0004 SF 6" Thick Precast Landing.....	177.81	
03 48 54 Precast Concrete Blocks (03 48)		
03 48 54 00-0001 Precast Interlocking Concrete Blocks (03 48 54)		
Note: Includes lifting loop		
03 48 54 00-0002 EA 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	145.79	49.37
03 48 54 00-0003 EA 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	175.59	55.54
03 48 54 00-0004 EA 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	205.38	61.71
03 48 54 00-0005 EA 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	279.33	67.89
03 48 54 00-0006 EA 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	334.78	74.06
03 50 Cast Decks and Underlayment (03)		
03 51 Cast Roof Decks (03 50)		
03 51 13 Cementitious Wood Fiber Decks (03 51)		
03 51 13 00-0001 Cement Fiber Tongue And Groove Planks (03 51 13)		
03 51 13 00-0002 SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.53	
03 51 13 00-0003 SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.66	
03 51 13 00-0004 SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.85	
03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.32	
03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.86	
03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.47	
03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.21	
03 51 16 Gypsum Concrete Roof Decks (03 51)		
03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)		
03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	12.83	0.65
03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	15.90	0.76
03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A.....	18.98	0.87
03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	22.10	0.97
03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A.....	25.24	1.08
03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)		
03 51 16 00-0008 SF Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck.....	2.47	
03 51 16 00-0009 SF Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.28	
03 51 16 00-0010 SF Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck.....	6.75	
03 51 16 00-0011 SF Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.74	0.66
03 51 16 00-0012 SF Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.31	0.66
03 51 16 00-0013 SF Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck.....	3.67	0.66
03 51 16 00-0014 SF Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck.....	4.54	0.66
03 51 16 00-0015 Gypsum Plank (03 51 16)		

03 Concrete**03 50 Cast Decks and Underlayment****03 51 Cast Roof Decks**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	3.82
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.94

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping (03 53)**03 53 14 00-0001 Granolithic Topping Laid After** (03 53 14)

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.78
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.10
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.30

03 53 19 Concrete Overlayment (03 53)**03 53 19 00-0001 Integral Topping Including Hard Trowel Finish** (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.83
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.13
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.63
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.27
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.96
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.94
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.48

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)**03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors** (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.79
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.16
For >100 To 250 SF, Add			0.08
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.04
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.16
For >100 To 250 SF, Add			0.08
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	4.28
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.16
For >100 To 250 SF, Add			0.08
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	5.53
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.16
For >100 To 250 SF, Add			0.08
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	6.78
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.16
For >100 To 250 SF, Add			0.08
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	8.07
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.18
For >100 To 250 SF, Add			0.09
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	10.56
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.18
For >100 To 250 SF, Add			0.09
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	13.11
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.21
For >100 To 250 SF, Add			0.10
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	15.60
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.21
For >100 To 250 SF, Add			0.10
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	18.18
Note: Including Surface Preparation			
For Up To 100 SF, Add			0.25
For >100 To 250 SF, Add			0.13

03 60 Grouting (03)**03 61 Cementitious Grouting** (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)



Concrete		03	03
Grouting		03 60	
Cementitious Grouting		03 61	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 61 16 00-0001	Cementitious Flowable Grout (03 61 16)	
03 61 16 00-0002	CY Cementitious Flowable Grout	446.20

03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)	
03 62 13 00-0002	SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	27.54
03 62 13 00-0003	SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	40.18

03 62 13 00-0004	Non-Metallic Non-Shrink Grouting For Bases (03 62 13)	
03 62 13 00-0005	SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases	40.69
03 62 13 00-0006	SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases	64.01

03 62 13 00-0007	Non-Metallic Non-Shrink Grouting For Joints (03 62 13)	
03 62 13 00-0008	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)	
03 62 13 00-0009	LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.30
03 62 13 00-0010	LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.98
03 62 13 00-0011	LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95

03 62 13 00-0012	1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)	
03 62 13 00-0013	LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.33
03 62 13 00-0014	LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.37
03 62 13 00-0015	LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.82

03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001	Metallic Non-Shrink Grouting For Bases (03 62 16)	
03 62 16 00-0002	SF 1" Deep, Metallic Non-Shrink Grout For Bases	35.35
03 62 16 00-0003	SF 2" Deep, Metallic Non-Shrink Grout For Bases	53.68

03 62 16 00-0004	Metallic Non-Shrink Grouting For Joints (03 62 16)	
03 62 16 00-0005	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)	
03 62 16 00-0006	LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.97
03 62 16 00-0007	LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.48
03 62 16 00-0008	LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.30

03 62 16 00-0009	1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)	
03 62 16 00-0010	LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.68
03 62 16 00-0011	LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.36
03 62 16 00-0012	LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.50

03 63 Epoxy Grouting (03 60)

03 63 00 00-0001	Spray On Concrete Epoxy Grout (03 63)	
Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF 1/4" Thick Coat Spray On Concrete Epoxy Grout	4.49
	For Color, Add	1.16
03 63 00 00-0003	SF 3/8" Thick Coat Spray On Concrete Epoxy Grout	6.21
	For Color, Add	1.74
03 63 00 00-0004	SF 1/2" Thick Coat Spray On Concrete Epoxy Grout	7.96
	For Color, Add	2.33
03 63 00 00-0005	SF 5/8" Thick Coat Spray On Concrete Epoxy Grout	9.51
	For Color, Add	2.91
03 63 00 00-0006	SF 3/4" Thick Coat Spray On Concrete Epoxy Grout	11.09
	For Color, Add	3.50
03 63 00 00-0007	SF 1" Thick Coat Spray On Concrete Epoxy Grout	14.35
	For Color, Add	4.67

03 64 Injection Grouting (03 60)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001	Pressure Injected Epoxy Grout (03 64 23)	
03 64 23 00-0002	CF Pressure Injected Epoxy Grout	1,415.46
	For >4, Deduct	-149.38

03	03	Concrete
	03 60	Grouting
	03 64	Injection Grouting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 64 26		Cementitious Injection Grouting (03 64)		
03 64 26 00-0001		Pressure Injected Cementitious Grout (03 64 26)		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout.....	250.40	
		For >4, Deduct		-64.09
03 80		Concrete Cutting and Boring (03)		
03 81		Concrete Cutting (03 80)		
03 81 13		Flat Concrete Sawing (03 81)		
		See CSI section 02 41 19 13-0059 for saw cutting.		
03 81 16		Track Mounted Concrete Wall Sawing (03 81)		
		See CSI section 02 41 19 13-0059 for saw cutting.		
03 82		Concrete Boring (03 80)		
03 82 13		Concrete Core Drilling (03 82)		
		See CSI section 02 41 19 13-0082 for core drilling.		

END OF SECTION 03



Masonry		04
Maintenance of Masonry		04 01
Maintenance of Unit Masonry		04 01 20

04

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry⁽⁰⁴⁾

04 01 20 Maintenance of Unit Masonry^(04 01)

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization^(04 01 20)

04 01 20 41-0001 Masonry Repair (Helifix®)^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie)^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie)^(04 01 20 41-0002)

04 01 20 41-0004 EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 25.43

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0005 EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 37.38

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0006 EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 50.35

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie)^(04 01 20 41-0002)

04 01 20 41-0008 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 28.02

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0009 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 41.98

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0010 EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) 57.25

For Up To 10, Add 10.27
For >10 To 50, Add 5.14

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar)^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar)^(04 01 20 41-0011)

04 01 20 41-0013 EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 65.86

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0014 EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 72.65

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0015 EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 230.13

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0016 EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 65.86

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0017 EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 72.65

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0018 EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 80.37

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0019 EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 94.88

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 01 20 41-0020 EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) 230.13

For Up To 10, Add 41.08

For >10 To 50, Add 20.54

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) (04 01 20 41-0011)					
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	69.56	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	77.58	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	260.92	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	69.56	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	77.58	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	86.53	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	103.51	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	.....	260.92	
		For Up To 10, Add		41.08	
		For >10 To 50, Add		20.54	
04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0001)					
Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.					
04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)					
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	12.68	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	13.90	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	15.12	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	16.33	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	17.55	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	18.77	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	12.68	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	13.90	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	15.12	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	16.33	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	17.55	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	.....	19.98	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	.....	12.68	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	.....	15.12	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	.....	16.94	
		For Up To 10, Add		6.16	
		For >10 To 50, Add		3.08	



Masonry			04	04
Maintenance of Masonry			04 01	
Maintenance of Unit Masonry			04 01 20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 01 20 41-0047	316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)				
04 01 20 41-0048	EA	4-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0049	EA	5-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.90	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0050	EA	6-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.12	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0051	EA	7-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.33	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0052	EA	8-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.55	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0053	EA	9-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.77	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0054	EA	4-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0055	EA	5-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.90	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0056	EA	6-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.12	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0057	EA	7-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.33	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0058	EA	8-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.55	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0059	EA	10-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.98	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0060	EA	4-1/2"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.68	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0061	EA	6-1/2"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.12	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0062	EA	8"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.94	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	

04 01 20 41-0063	Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)			
Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.				

04 01 20 41-0064	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)				
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.82		
		For Up To 10, Add	6.16		
		For >10 To 50, Add	3.08		
		For Metal Stud Clip, Add	2.83		
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.26		
		For Up To 10, Add	6.16		
		For >10 To 50, Add	3.08		
		For Metal Stud Clip, Add	2.83		
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.35		
		For Up To 10, Add	6.16		
		For >10 To 50, Add	3.08		
		For Metal Stud Clip, Add	2.83		
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.53		
		For Up To 10, Add	6.16		
		For >10 To 50, Add	3.08		
		For Metal Stud Clip, Add	2.83		

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.84	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.11	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.25	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.42	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.20	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.30	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.24	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.03	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.71	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.10	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.22	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.04	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.97	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.44	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.87	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.25	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.49	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	



		Masonry	04	04
		Maintenance of Masonry	04 01	
		Maintenance of Unit Masonry	04 01 20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA		10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.66	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0087	EA		10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.94	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0088	EA		10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.06	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0089	EA		10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.61	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.40	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.05	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.88	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.36	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.87	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.76	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.00	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.28	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.46	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.59	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.98	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.60	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.83	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.45	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.72	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.26	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.63	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.88	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.05	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.45	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.26	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			For Up To 10, Add	3.08	
			For >10 To 50, Add	1.54	
04 01 20 41-0111			316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.52	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.06	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.17	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.39	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.79	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.12	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.29	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.51	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	



		Masonry	04	04
		Maintenance of Masonry	04 01	
		Maintenance of Unit Masonry	04 01 20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA		8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.31	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0121	EA		8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.46	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0122	EA		8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.63	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0123	EA		8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.61	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0124	EA		8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.46	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0125	EA		8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.45	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.86	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.39	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.80	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.33	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.87	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.34	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.65	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.85	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.21	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.35	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.00	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.88	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.70	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.73	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.33	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.00	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	29.87	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.10	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.41	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.63	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.80	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.28	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.06	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.31	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.08	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.89	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.56	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.03	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	



Masonry		04	04
Maintenance of Masonry		04 01	
Maintenance of Unit Masonry		04 01 20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA		10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.34	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0155	EA		10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.54	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0156	EA		10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.04	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
			For Metal Stud Clip, Add	2.83	
04 01 20 41-0157	EA		316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.79	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			For Up To 10, Add	3.08	
			For >10 To 50, Add	1.54	
04 01 20 41-0158			Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
			Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159			304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
			(04 01 20 41-0158)		
04 01 20 41-0160	EA		8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.13	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0161	EA		8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.19	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0162			316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
			(04 01 20 41-0158)		
04 01 20 41-0163	EA		8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.50	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0164	EA		8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.59	
			For Up To 10, Add	6.16	
			For >10 To 50, Add	3.08	
04 01 20 41-0165			Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
			Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166			304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167	EA		6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	52.31	
			For Up To 10, Add	41.08	
			For >10 To 50, Add	20.54	
04 01 20 41-0168			316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169	EA		6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	54.01	
			For Up To 10, Add	41.08	
			For >10 To 50, Add	20.54	
04 01 20 41-0170			Unit Masonry Stabilization (04 01 20 41)		
04 01 20 41-0171			Repair Bulging Or Loose Masonry (04 01 20 41-0170)		
04 01 20 41-0172	SF		Repair Bulging Or Loose Masonry Using Existing Masonry	90.49	
			Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF		Repair Bulging Or Loose Masonry Using New Masonry	95.65	
			Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51			Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001			Repair Masonry (04 01 20 51)		
			Note: Includes mortar for repair.		
04 01 20 51-0002	SF		Patch And Repair Terra Cotta Walls Or Coping	21.62	
			Note: Including Replacement Of Damaged Material		
04 01 20 51-0003	SF		Patch And Repair Terra Cotta Floors	20.13	
			Note: Including Replacement Of Damaged Material		
04 01 20 51-0004	LF		Chip And Repair With Masonry Patch, Cracks Up To 1/4"	4.78	
04 01 20 51-0005	SF		Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	7.35	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0006	EA	Cutout Individual Damaged Brick And Replace With New Brick.....	15.37		
04 01 20 51-0007	LF	Pressure Grout Block/Brick, Portland Cement Base, Using LA City RGA Rule Of General Application 1-91.....	352.28		
04 01 20 51-0008	LF	Pressure Grout Block/Brick, Portland Cement Base, Master Builders RHEOCEM 900.....	100.50		
04 01 20 51-0009	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	38.93		
		<i>For Cracks Accessible From Both Sides, Add</i>	7.91		
04 01 20 51-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	34.54		
		<i>For Cracks Accessible From Both Sides, Add</i>	7.91		
04 01 20 51-0011	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	9.54		
		<i>For V-Grooving Crack With Grinder, Add</i>	6.88		
04 01 20 51-0012	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	12.82		
		<i>For V-Grooving Crack With Grinder, Add</i>	6.54		
04 01 20 51-0013		Grind Unit Masonry (04 01 20 51)			
04 01 20 51-0014	SF	Grind Smooth Masonry Wall	4.23		
04 01 20 52		Unit Masonry Cleaning (04 01 20)			
		See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.			
04 01 20 91		Unit Masonry Restoration (04 01 20)			
		See CSI section 03 01 30 71-0108 for crack repair.			
04 01 20 91-0001		Cut And Repoint Masonry (04 01 20 91)			
		Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.			
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick.....	10.41		
		<i>For Common Bond, Add</i>	0.38		
		<i>For Flemish Bond, Add</i>	1.35		
		<i>For English Bond, Add</i>	2.21		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.56		
		<i>For Historical Restoration, Add</i>	1.92		
		<i>For >250 To 1,000, Deduct</i>	-0.48		
		<i>For >1,000, Deduct</i>	-1.00		
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	7.32		
		<i>For Common Bond, Add</i>	0.26		
		<i>For Flemish Bond, Add</i>	0.91		
		<i>For English Bond, Add</i>	1.50		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.10		
		<i>For Historical Restoration, Add</i>	1.31		
		<i>For >250 To 1,000, Deduct</i>	-0.33		
		<i>For >1,000, Deduct</i>	-0.69		
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.64		
		<i>For Common Bond, Add</i>	0.19		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.85		
		<i>For Historical Restoration, Add</i>	0.97		
		<i>For >250 To 1,000, Deduct</i>	-0.24		
		<i>For >1,000, Deduct</i>	-0.52		
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.10		
		<i>For Common Bond, Add</i>	0.13		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.62		
		<i>For Historical Restoration, Add</i>	0.66		
		<i>For >250 To 1,000, Deduct</i>	-0.17		
		<i>For >1,000, Deduct</i>	-0.37		
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.48		
04 01 50		Maintenance of Refractory Masonry (04 01)			
04 01 50 52		Refractory Masonry Cleaning (04 01 50)			
04 01 50 52-0001		Chimney Cleaning (04 01 50 52)			
04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	8.38		
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	16.74		
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	25.11		
04 05		Common Work Results for Masonry (04)			
04 05 13		Masonry Mortaring (04 05)			
04 05 13 26		Engineered Masonry Mortaring (04 05 13)			
		Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.			
04 05 13 26-0001		Masonry Cement Mortar (04 05 13 26)			
		Note: Ratio is bag material to sand.			
04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	9.44		
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	8.71		
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	8.94		
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	9.79		



			Masonry	04
			Common Work Results for Masonry	04 05
			Masonry Mortaring	04 05 13

04

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0006 CF Type S Masonry Cement 1/2:1:4 Mix.....	10.33	
04 05 13 26-0007 Mortar Admixture (04 05 13 26)		
04 05 13 26-0008 CF Water - Repellent Stearate - Cost Based On CF Of Mortar	0.36	
04 05 13 26-0009 CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.07	
04 05 13 26-0010 Color Admixtures For Mortar (04 05 13 26)		
Note: Costs are based on CF of mortar.		
04 05 13 26-0011 CF Buff Colored Admixture.....	2.30	
04 05 13 26-0012 CF Brown Colored Admixture	2.61	
04 05 13 26-0013 CF Black Colored Admixture	3.23	
04 05 13 26-0014 CF Red Colored Admixture	7.08	
04 05 13 26-0015 Portland Cement (04 05 13 26)		
04 05 13 26-0016 CF Type I, Normal Portland Cement	12.27	
04 05 13 26-0017 CF Type II, Modified Portland Cement	6.12	
04 05 13 26-0018 CF Type III, High Early Strength Portland Cement	6.49	
04 05 13 26-0019 CF Type I, White Non-Staining Portland Cement	13.59	
04 05 16 Masonry Grouting (04 05)		
04 05 16 26 Engineered Masonry Grouting (04 05 16)		
Note: Excludes reinforcement.		
04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)		
Note: Excludes block.		
04 05 16 26-0002 LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.49	
04 05 16 26-0003 LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	4.88	
04 05 16 26-0004 LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.42	
04 05 16 26-0005 LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.03	
04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid	3.56	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid	5.10	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid	7.27	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid	8.90	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid	10.51	
04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill	4.10	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill	5.77	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill	7.22	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill	9.76	
04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill	6.40	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill	5.47	
04 05 16 26-0020 Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)		
Note: Per SF of face area filled.		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill	3.47	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill	4.78	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill	5.87	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill	7.79	
04 05 19 Masonry Anchorage and Reinforcing (04 05)		
04 05 19 13 Continuous Joint Reinforcing (04 05 19)		
Note: Includes cutting and bending.		
04 05 19 13-0001 Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	70.15	
		For Hot-Dipped Galvanized, Add	14.96	
		For Stainless Steel, Add	59.84	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.42	
		For Hot-Dipped Galvanized, Add	15.72	
		For Stainless Steel, Add	62.86	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.03	
		For Hot-Dipped Galvanized, Add	16.57	
		For Stainless Steel, Add	66.26	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.64	
		For Hot-Dipped Galvanized, Add	17.53	
		For Stainless Steel, Add	70.10	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.25	
		For Hot-Dipped Galvanized, Add	18.47	
		For Stainless Steel, Add	73.86	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.75	
		For Hot-Dipped Galvanized, Add	18.93	
		For Stainless Steel, Add	75.70	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.89	
		For Hot-Dipped Galvanized, Add	19.45	
		For Stainless Steel, Add	77.80	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.59	
		For Hot-Dipped Galvanized, Add	26.74	
		For Stainless Steel, Add	106.94	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.91	
		For Hot-Dipped Galvanized, Add	41.33	
		For Stainless Steel, Add	165.32	
04 05 19 13-0014		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.75	
		For Hot-Dipped Galvanized, Add	23.26	
		For Stainless Steel, Add	93.02	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.19	
		For Hot-Dipped Galvanized, Add	24.10	
		For Stainless Steel, Add	96.40	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.98	
		For Hot-Dipped Galvanized, Add	25.04	
		For Stainless Steel, Add	100.16	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.41	
		For Hot-Dipped Galvanized, Add	25.91	
		For Stainless Steel, Add	103.64	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.97	
		For Hot-Dipped Galvanized, Add	26.83	
		For Stainless Steel, Add	107.30	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.55	
		For Hot-Dipped Galvanized, Add	27.33	
		For Stainless Steel, Add	109.32	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.58	
		For Hot-Dipped Galvanized, Add	27.79	
		For Stainless Steel, Add	111.16	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.64	
		For Hot-Dipped Galvanized, Add	37.77	
		For Stainless Steel, Add	151.06	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	193.74	
		For Hot-Dipped Galvanized, Add	60.25	
		For Stainless Steel, Add	241.00	
04 05 19 13-0024		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.83	
		For Hot-Dipped Galvanized, Add	31.30	
		For Stainless Steel, Add	125.18	



			Masonry	04
			Common Work Results for Masonry	04 05
			Masonry Anchorage and Reinforcing	04 05 19

04

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.36	
		For Hot-Dipped Galvanized, Add	33.01	
		For Stainless Steel, Add	132.04	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.89	
		For Hot-Dipped Galvanized, Add	34.73	
		For Stainless Steel, Add	138.92	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.18	
		For Hot-Dipped Galvanized, Add	36.80	
		For Stainless Steel, Add	147.18	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.41	
		For Hot-Dipped Galvanized, Add	38.83	
		For Stainless Steel, Add	155.32	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.77	
		For Hot-Dipped Galvanized, Add	39.93	
		For Stainless Steel, Add	159.72	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.23	
		For Hot-Dipped Galvanized, Add	40.87	
		For Stainless Steel, Add	163.48	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.63	
		For Hot-Dipped Galvanized, Add	42.75	
		For Stainless Steel, Add	171.00	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	215.30	
		For Hot-Dipped Galvanized, Add	71.02	
		For Stainless Steel, Add	284.08	
04 05 19 13-0034		Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.36	
		For Hot-Dipped Galvanized, Add	34.06	
		For Stainless Steel, Add	136.24	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.59	
		For Hot-Dipped Galvanized, Add	34.80	
		For Stainless Steel, Add	139.20	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.19	
		For Hot-Dipped Galvanized, Add	35.65	
		For Stainless Steel, Add	142.60	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.81	
		For Hot-Dipped Galvanized, Add	36.61	
		For Stainless Steel, Add	146.44	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.43	
		For Hot-Dipped Galvanized, Add	37.55	
		For Stainless Steel, Add	150.20	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.93	
		For Hot-Dipped Galvanized, Add	38.01	
		For Stainless Steel, Add	152.04	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.05	
		For Hot-Dipped Galvanized, Add	38.53	
		For Stainless Steel, Add	154.12	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.77	
		For Hot-Dipped Galvanized, Add	45.82	
		For Stainless Steel, Add	183.28	
04 05 19 13-0043		Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.94	
		For Hot-Dipped Galvanized, Add	42.35	
		For Stainless Steel, Add	169.40	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.39	
		For Hot-Dipped Galvanized, Add	43.20	
		For Stainless Steel, Add	172.80	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.17	
		For Hot-Dipped Galvanized, Add	44.14	
		For Stainless Steel, Add	176.56	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 141.61 For Hot-Dipped Galvanized, Add 45.01 For Stainless Steel, Add 180.04		
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 149.19 For Hot-Dipped Galvanized, Add 45.93 For Stainless Steel, Add 183.72		
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 154.75 For Hot-Dipped Galvanized, Add 46.43 For Stainless Steel, Add 185.72		
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 158.78 For Hot-Dipped Galvanized, Add 46.89 For Stainless Steel, Add 187.56		
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 182.84 For Hot-Dipped Galvanized, Add 56.86 For Stainless Steel, Add 227.44		
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 231.94 For Hot-Dipped Galvanized, Add 79.36 For Stainless Steel, Add 317.42		
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 141.00 For Hot-Dipped Galvanized, Add 50.38 For Stainless Steel, Add 201.52		
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 147.55 For Hot-Dipped Galvanized, Add 52.11 For Stainless Steel, Add 208.42		
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 154.08 For Hot-Dipped Galvanized, Add 53.83 For Stainless Steel, Add 215.30		
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 163.34 For Hot-Dipped Galvanized, Add 55.88 For Stainless Steel, Add 223.50		
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 172.61 For Hot-Dipped Galvanized, Add 57.93 For Stainless Steel, Add 231.72		
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 179.95 For Hot-Dipped Galvanized, Add 59.02 For Stainless Steel, Add 236.08		
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 184.40 For Hot-Dipped Galvanized, Add 59.96 For Stainless Steel, Add 239.82		
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 192.80 For Hot-Dipped Galvanized, Add 61.84 For Stainless Steel, Add 247.34		
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 253.48 For Hot-Dipped Galvanized, Add 90.11 For Stainless Steel, Add 360.44		
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 146.54 For Hot-Dipped Galvanized, Add 53.15 For Stainless Steel, Add 212.60		
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 150.77 For Hot-Dipped Galvanized, Add 53.89 For Stainless Steel, Add 215.56		
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 156.38 For Hot-Dipped Galvanized, Add 54.75 For Stainless Steel, Add 218.98		
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 163.00 For Hot-Dipped Galvanized, Add 55.71 For Stainless Steel, Add 222.82		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	170.61	
		For Hot-Dipped Galvanized, Add	56.64	
		For Stainless Steel, Add	226.56	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	176.11	
		For Hot-Dipped Galvanized, Add	57.10	
		For Stainless Steel, Add	228.40	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	180.24	
		For Hot-Dipped Galvanized, Add	57.63	
		For Stainless Steel, Add	230.50	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	198.95	
		For Hot-Dipped Galvanized, Add	64.91	
		For Stainless Steel, Add	259.64	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	232.26	
		For Hot-Dipped Galvanized, Add	79.51	
		For Stainless Steel, Add	318.02	
04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)				
04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	163.12	
		For Hot-Dipped Galvanized, Add	61.44	
		For Stainless Steel, Add	245.76	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	167.57	
		For Hot-Dipped Galvanized, Add	62.29	
		For Stainless Steel, Add	249.16	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	173.35	
		For Hot-Dipped Galvanized, Add	63.23	
		For Stainless Steel, Add	252.92	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	179.80	
		For Hot-Dipped Galvanized, Add	64.11	
		For Stainless Steel, Add	256.42	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	187.37	
		For Hot-Dipped Galvanized, Add	65.02	
		For Stainless Steel, Add	260.08	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	192.93	
		For Hot-Dipped Galvanized, Add	65.52	
		For Stainless Steel, Add	262.08	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	196.96	
		For Hot-Dipped Galvanized, Add	65.98	
		For Stainless Steel, Add	263.92	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	221.02	
		For Hot-Dipped Galvanized, Add	75.95	
		For Stainless Steel, Add	303.80	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	270.12	
		For Hot-Dipped Galvanized, Add	98.45	
		For Stainless Steel, Add	393.78	
04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)				
04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	179.18	
		For Hot-Dipped Galvanized, Add	69.47	
		For Stainless Steel, Add	277.88	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	185.73	
		For Hot-Dipped Galvanized, Add	71.20	
		For Stainless Steel, Add	284.78	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	192.26	
		For Hot-Dipped Galvanized, Add	72.92	
		For Stainless Steel, Add	291.66	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	201.53	
		For Hot-Dipped Galvanized, Add	74.97	
		For Stainless Steel, Add	299.88	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	210.79	
		For Hot-Dipped Galvanized, Add	77.02	
		For Stainless Steel, Add	308.08	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	218.13		
		For Hot-Dipped Galvanized, Add	78.11		
		For Stainless Steel, Add	312.44		
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	222.59		
		For Hot-Dipped Galvanized, Add	79.05		
		For Stainless Steel, Add	316.20		
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	230.98		
		For Hot-Dipped Galvanized, Add	80.93		
		For Stainless Steel, Add	323.70		
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	291.66		
		For Hot-Dipped Galvanized, Add	109.20		
		For Stainless Steel, Add	436.80		
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0002)			
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)			
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	103.10		
		For Hot-Dipped Galvanized, Add	25.43		
		For Stainless Steel, Add	101.72		
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.57		
		For Hot-Dipped Galvanized, Add	27.77		
		For Stainless Steel, Add	111.06		
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.50		
		For Hot-Dipped Galvanized, Add	29.83		
		For Stainless Steel, Add	119.32		
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	131.68		
		For Hot-Dipped Galvanized, Add	31.02		
		For Stainless Steel, Add	124.08		
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	136.79		
		For Hot-Dipped Galvanized, Add	32.12		
		For Stainless Steel, Add	128.48		
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.91		
		For Hot-Dipped Galvanized, Add	34.57		
		For Stainless Steel, Add	138.28		
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	155.58		
		For Hot-Dipped Galvanized, Add	36.59		
		For Stainless Steel, Add	146.34		
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)			
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.76		
		For Hot-Dipped Galvanized, Add	35.76		
		For Stainless Steel, Add	143.04		
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.28		
		For Hot-Dipped Galvanized, Add	38.12		
		For Stainless Steel, Add	152.48		
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	143.98		
		For Hot-Dipped Galvanized, Add	40.07		
		For Stainless Steel, Add	160.28		
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.39		
		For Hot-Dipped Galvanized, Add	41.38		
		For Stainless Steel, Add	165.50		
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	157.45		
		For Hot-Dipped Galvanized, Add	42.45		
		For Stainless Steel, Add	169.80		
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	167.57		
		For Hot-Dipped Galvanized, Add	44.90		
		For Stainless Steel, Add	179.60		
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	176.52		
		For Hot-Dipped Galvanized, Add	47.06		
		For Stainless Steel, Add	188.22		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0110		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement ^(04 05 19 13-0093)		
04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	133.80	
		For Hot-Dipped Galvanized, Add	40.78	
		For Stainless Steel, Add	163.12	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.70	
		For Hot-Dipped Galvanized, Add	44.33	
		For Stainless Steel, Add	177.32	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	159.46	
		For Hot-Dipped Galvanized, Add	47.81	
		For Stainless Steel, Add	191.24	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	168.98	
		For Hot-Dipped Galvanized, Add	49.67	
		For Stainless Steel, Add	198.68	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	175.28	
		For Hot-Dipped Galvanized, Add	51.37	
		For Stainless Steel, Add	205.46	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	187.74	
		For Hot-Dipped Galvanized, Add	54.99	
		For Stainless Steel, Add	219.94	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	199.48	
		For Hot-Dipped Galvanized, Add	58.54	
		For Stainless Steel, Add	234.14	
04 05 19 13-0118		Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement ^(04 05 19 13-0002)		
04 05 19 13-0119		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement ^(04 05 19 13-0118)		
04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.72	
		For Hot-Dipped Galvanized, Add	53.24	
		For Stainless Steel, Add	212.96	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.78	
		For Hot-Dipped Galvanized, Add	54.87	
		For Stainless Steel, Add	219.48	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.88	
		For Hot-Dipped Galvanized, Add	56.52	
		For Stainless Steel, Add	226.08	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.25	
		For Hot-Dipped Galvanized, Add	58.35	
		For Stainless Steel, Add	233.40	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.14	
		For Hot-Dipped Galvanized, Add	60.19	
		For Stainless Steel, Add	240.74	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	208.37	
		For Hot-Dipped Galvanized, Add	62.98	
		For Stainless Steel, Add	251.92	
04 05 19 13-0126		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement ^(04 05 19 13-0118)		
04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.12	
		For Hot-Dipped Galvanized, Add	69.44	
		For Stainless Steel, Add	277.76	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.22	
		For Hot-Dipped Galvanized, Add	71.09	
		For Stainless Steel, Add	284.36	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	209.73	
		For Hot-Dipped Galvanized, Add	72.95	
		For Stainless Steel, Add	291.78	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.69	
		For Hot-Dipped Galvanized, Add	74.57	
		For Stainless Steel, Add	298.28	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0131	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	230.62	
			For Hot-Dipped Galvanized, Add	76.43	
			For Stainless Steel, Add	305.70	
04 05 19 13-0132	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	238.97	
			For Hot-Dipped Galvanized, Add	78.28	
			For Stainless Steel, Add	313.12	
04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)					
04 05 19 13-0134	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	193.50	
			For Hot-Dipped Galvanized, Add	70.63	
			For Stainless Steel, Add	282.52	
04 05 19 13-0135	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	204.39	
			For Hot-Dipped Galvanized, Add	73.18	
			For Stainless Steel, Add	292.70	
04 05 19 13-0136	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	215.23	
			For Hot-Dipped Galvanized, Add	75.70	
			For Stainless Steel, Add	302.78	
04 05 19 13-0137	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	230.03	
			For Hot-Dipped Galvanized, Add	78.74	
			For Stainless Steel, Add	314.96	
04 05 19 13-0138	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	241.30	
			For Hot-Dipped Galvanized, Add	81.77	
			For Stainless Steel, Add	327.06	
04 05 19 13-0139	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	251.94	
			For Hot-Dipped Galvanized, Add	84.77	
			For Stainless Steel, Add	339.06	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)					
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)					
04 05 19 13-0142	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.57	
			For Hot-Dipped Galvanized, Add	56.27	
			For Stainless Steel, Add	225.06	
04 05 19 13-0143	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.58	
			For Hot-Dipped Galvanized, Add	57.87	
			For Stainless Steel, Add	231.48	
04 05 19 13-0144	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	191.50	
			For Hot-Dipped Galvanized, Add	59.48	
			For Stainless Steel, Add	237.90	
04 05 19 13-0145	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	200.52	
			For Hot-Dipped Galvanized, Add	61.38	
			For Stainless Steel, Add	245.50	
04 05 19 13-0146	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.82	
			For Hot-Dipped Galvanized, Add	63.21	
			For Stainless Steel, Add	252.82	
04 05 19 13-0147	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	219.43	
			For Hot-Dipped Galvanized, Add	66.90	
			For Stainless Steel, Add	267.58	
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)					
04 05 19 13-0149	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	203.01	
			For Hot-Dipped Galvanized, Add	72.49	
			For Stainless Steel, Add	289.94	
04 05 19 13-0150	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	212.06	
			For Hot-Dipped Galvanized, Add	74.11	
			For Stainless Steel, Add	296.44	
04 05 19 13-0151	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	224.44	
			For Hot-Dipped Galvanized, Add	75.95	
			For Stainless Steel, Add	303.78	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	232.91 77.57 310.28	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	241.26 79.43 317.70	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	252.28 83.32 333.28	
04 05 19 13-0155		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	205.30 73.63 294.52	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	216.19 76.18 304.70	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	230.03 78.74 314.96	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	241.30 81.77 327.06	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	251.94 84.77 339.06	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	263.78 89.07 356.28	
04 05 19 13-0162		Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0163		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		
04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	159.90 50.93 203.72 21.90	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	168.35 52.26 209.02 22.47	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	179.90 53.68 214.70 23.08	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	188.15 55.19 220.76 23.73	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	195.95 56.77 227.08 24.41	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement..... <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i> <i>For Seismic Hook And Eye, Add</i>	202.02 58.19 232.76 25.02	
04 05 19 13-0170		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	190.32	
		For Hot-Dipped Galvanized, Add	66.14	
		For Stainless Steel, Add	264.56	
		For Seismic Hook And Eye, Add	28.44	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	198.18	
		For Hot-Dipped Galvanized, Add	67.17	
		For Stainless Steel, Add	268.68	
		For Seismic Hook And Eye, Add	28.88	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.82	
		For Hot-Dipped Galvanized, Add	68.64	
		For Stainless Steel, Add	274.54	
		For Seismic Hook And Eye, Add	29.51	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	217.88	
		For Hot-Dipped Galvanized, Add	70.06	
		For Stainless Steel, Add	280.22	
		For Seismic Hook And Eye, Add	30.12	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	225.36	
		For Hot-Dipped Galvanized, Add	71.48	
		For Stainless Steel, Add	285.90	
		For Seismic Hook And Eye, Add	30.73	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	234.73	
		For Hot-Dipped Galvanized, Add	74.55	
		For Stainless Steel, Add	298.18	
		For Seismic Hook And Eye, Add	32.05	
04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)				
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	192.56	
		For Hot-Dipped Galvanized, Add	67.26	
		For Stainless Steel, Add	269.04	
		For Seismic Hook And Eye, Add	28.92	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.22	
		For Hot-Dipped Galvanized, Add	69.69	
		For Stainless Steel, Add	278.76	
		For Seismic Hook And Eye, Add	29.97	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	216.74	
		For Hot-Dipped Galvanized, Add	72.10	
		For Stainless Steel, Add	288.38	
		For Seismic Hook And Eye, Add	31.00	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	227.74	
		For Hot-Dipped Galvanized, Add	74.99	
		For Stainless Steel, Add	299.94	
		For Seismic Hook And Eye, Add	32.24	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	238.15	
		For Hot-Dipped Galvanized, Add	77.87	
		For Stainless Steel, Add	311.48	
		For Seismic Hook And Eye, Add	33.48	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	247.11	
		For Hot-Dipped Galvanized, Add	80.74	
		For Stainless Steel, Add	322.94	
		For Seismic Hook And Eye, Add	34.72	
04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)				
04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)				
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	171.74	
		For Hot-Dipped Galvanized, Add	53.95	
		For Stainless Steel, Add	215.80	
		For Seismic Hook And Eye, Add	23.20	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	183.07	
		For Hot-Dipped Galvanized, Add	55.26	
		For Stainless Steel, Add	221.04	
		For Seismic Hook And Eye, Add	23.76	



		Masonry	04
		Common Work Results for Masonry	04 05
		Masonry Anchorage and Reinforcing	04 05 19

04

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.90	
		For Hot-Dipped Galvanized, Add	56.57	
		For Stainless Steel, Add	226.26	
		For Seismic Hook And Eye, Add	24.32	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	198.88	
		For Hot-Dipped Galvanized, Add	58.24	
		For Stainless Steel, Add	232.94	
		For Seismic Hook And Eye, Add	25.04	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.14	
		For Hot-Dipped Galvanized, Add	59.75	
		For Stainless Steel, Add	239.00	
		For Seismic Hook And Eye, Add	25.69	
04 05 19 13-0191		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)		
04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	201.07	
		For Hot-Dipped Galvanized, Add	68.62	
		For Stainless Steel, Add	274.46	
		For Seismic Hook And Eye, Add	29.50	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	212.62	
		For Hot-Dipped Galvanized, Add	70.04	
		For Stainless Steel, Add	280.14	
		For Seismic Hook And Eye, Add	30.12	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	220.86	
		For Hot-Dipped Galvanized, Add	71.55	
		For Stainless Steel, Add	286.18	
		For Seismic Hook And Eye, Add	30.76	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	227.93	
		For Hot-Dipped Galvanized, Add	72.76	
		For Stainless Steel, Add	291.04	
		For Seismic Hook And Eye, Add	31.29	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	234.46	
		For Hot-Dipped Galvanized, Add	74.41	
		For Stainless Steel, Add	297.64	
		For Seismic Hook And Eye, Add	32.00	
04 05 19 13-0197		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)		
04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	204.09	
		For Hot-Dipped Galvanized, Add	70.13	
		For Stainless Steel, Add	280.50	
		For Seismic Hook And Eye, Add	30.15	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	217.66	
		For Hot-Dipped Galvanized, Add	72.56	
		For Stainless Steel, Add	290.22	
		For Seismic Hook And Eye, Add	31.20	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	227.74	
		For Hot-Dipped Galvanized, Add	74.99	
		For Stainless Steel, Add	299.94	
		For Seismic Hook And Eye, Add	32.24	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	238.15	
		For Hot-Dipped Galvanized, Add	77.87	
		For Stainless Steel, Add	311.48	
		For Seismic Hook And Eye, Add	33.48	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	247.11	
		For Hot-Dipped Galvanized, Add	80.74	
		For Stainless Steel, Add	322.94	
		For Seismic Hook And Eye, Add	34.72	
04 05 19 13-0203		Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0204		Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0205		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.66	
		For Hot-Dipped Galvanized, Add	21.22	
		For Stainless Steel, Add	84.86	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.88	
		For Hot-Dipped Galvanized, Add	21.45	
		For Stainless Steel, Add	85.78	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.48	
		For Hot-Dipped Galvanized, Add	22.29	
		For Stainless Steel, Add	89.16	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.37	
		For Hot-Dipped Galvanized, Add	23.39	
		For Stainless Steel, Add	93.56	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.58	
		For Hot-Dipped Galvanized, Add	24.63	
		For Stainless Steel, Add	98.52	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.48	
		For Hot-Dipped Galvanized, Add	25.29	
		For Stainless Steel, Add	101.16	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.00	
		For Hot-Dipped Galvanized, Add	26.26	
		For Stainless Steel, Add	105.02	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.88	
		For Hot-Dipped Galvanized, Add	36.89	
		For Stainless Steel, Add	147.54	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	151.22	
		For Hot-Dipped Galvanized, Add	38.99	
		For Stainless Steel, Add	155.96	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	213.30	
		For Hot-Dipped Galvanized, Add	67.45	
		For Stainless Steel, Add	269.78	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.07	
		For Hot-Dipped Galvanized, Add	29.42	
		For Stainless Steel, Add	117.66	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.65	
		For Hot-Dipped Galvanized, Add	29.83	
		For Stainless Steel, Add	119.32	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.25	
		For Hot-Dipped Galvanized, Add	30.68	
		For Stainless Steel, Add	122.70	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.09	
		For Hot-Dipped Galvanized, Add	31.75	
		For Stainless Steel, Add	127.00	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.07	
		For Hot-Dipped Galvanized, Add	32.88	
		For Stainless Steel, Add	131.50	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.20	
		For Hot-Dipped Galvanized, Add	33.66	
		For Stainless Steel, Add	134.62	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.45	
		For Hot-Dipped Galvanized, Add	34.48	
		For Stainless Steel, Add	137.92	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.96	
		For Hot-Dipped Galvanized, Add	47.93	
		For Stainless Steel, Add	191.70	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.31	
		For Hot-Dipped Galvanized, Add	50.04	
		For Stainless Steel, Add	200.14	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	262.29	
		For Hot-Dipped Galvanized, Add	94.53	
		For Stainless Steel, Add	378.10	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.18	
		For Hot-Dipped Galvanized, Add	41.97	
		For Stainless Steel, Add	167.88	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.33	
		For Hot-Dipped Galvanized, Add	42.50	
		For Stainless Steel, Add	169.98	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.54	
		For Hot-Dipped Galvanized, Add	44.06	
		For Stainless Steel, Add	176.22	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.96	
		For Hot-Dipped Galvanized, Add	46.19	
		For Stainless Steel, Add	184.74	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.44	
		For Hot-Dipped Galvanized, Add	48.85	
		For Stainless Steel, Add	195.38	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.02	
		For Hot-Dipped Galvanized, Add	50.06	
		For Stainless Steel, Add	200.22	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.22	
		For Hot-Dipped Galvanized, Add	51.87	
		For Stainless Steel, Add	207.46	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	214.74	
		For Hot-Dipped Galvanized, Add	72.81	
		For Stainless Steel, Add	291.22	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	227.12	
		For Hot-Dipped Galvanized, Add	76.93	
		For Stainless Steel, Add	307.72	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	344.43	
		For Hot-Dipped Galvanized, Add	133.01	
		For Stainless Steel, Add	532.04	
04 05 19 13-0238		Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.36	
		For Hot-Dipped Galvanized, Add	34.06	
		For Stainless Steel, Add	136.24	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.59	
		For Hot-Dipped Galvanized, Add	34.80	
		For Stainless Steel, Add	139.20	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.19	
		For Hot-Dipped Galvanized, Add	35.65	
		For Stainless Steel, Add	142.60	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.81	
		For Hot-Dipped Galvanized, Add	36.61	
		For Stainless Steel, Add	146.44	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.43	
		For Hot-Dipped Galvanized, Add	37.55	
		For Stainless Steel, Add	150.20	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.93	
		For Hot-Dipped Galvanized, Add	38.01	
		For Stainless Steel, Add	152.04	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.05	
		For Hot-Dipped Galvanized, Add	38.53	
		For Stainless Steel, Add	154.12	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.77	
		For Hot-Dipped Galvanized, Add	45.82	
		For Stainless Steel, Add	183.28	
04 05 19 13-0247		Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.94	
		For Hot-Dipped Galvanized, Add	42.35	
		For Stainless Steel, Add	169.40	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.39	
		For Hot-Dipped Galvanized, Add	43.20	
		For Stainless Steel, Add	172.80	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		135.17	
		For Hot-Dipped Galvanized, Add		44.14	
		For Stainless Steel, Add		176.56	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		141.61	
		For Hot-Dipped Galvanized, Add		45.01	
		For Stainless Steel, Add		180.04	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		149.19	
		For Hot-Dipped Galvanized, Add		45.93	
		For Stainless Steel, Add		183.72	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		154.75	
		For Hot-Dipped Galvanized, Add		46.43	
		For Stainless Steel, Add		185.72	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		158.78	
		For Hot-Dipped Galvanized, Add		46.89	
		For Stainless Steel, Add		187.56	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		182.84	
		For Hot-Dipped Galvanized, Add		56.86	
		For Stainless Steel, Add		227.44	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		231.94	
		For Hot-Dipped Galvanized, Add		79.36	
		For Stainless Steel, Add		317.42	
04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement					
		(04 05 19 13-0204)			
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		141.00	
		For Hot-Dipped Galvanized, Add		50.38	
		For Stainless Steel, Add		201.52	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		147.55	
		For Hot-Dipped Galvanized, Add		52.11	
		For Stainless Steel, Add		208.42	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		154.08	
		For Hot-Dipped Galvanized, Add		53.83	
		For Stainless Steel, Add		215.30	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		163.34	
		For Hot-Dipped Galvanized, Add		55.88	
		For Stainless Steel, Add		223.50	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		172.61	
		For Hot-Dipped Galvanized, Add		57.93	
		For Stainless Steel, Add		231.72	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		179.95	
		For Hot-Dipped Galvanized, Add		59.02	
		For Stainless Steel, Add		236.08	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		184.40	
		For Hot-Dipped Galvanized, Add		59.96	
		For Stainless Steel, Add		239.82	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		192.80	
		For Hot-Dipped Galvanized, Add		61.84	
		For Stainless Steel, Add		247.34	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		253.48	
		For Hot-Dipped Galvanized, Add		90.11	
		For Stainless Steel, Add		360.44	
04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement					
		(04 05 19 13-0204)			
04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		146.54	
		For Hot-Dipped Galvanized, Add		53.15	
		For Stainless Steel, Add		212.60	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		150.77	
		For Hot-Dipped Galvanized, Add		53.89	
		For Stainless Steel, Add		215.56	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		156.38	
		For Hot-Dipped Galvanized, Add		54.75	
		For Stainless Steel, Add		218.98	



			Masonry	04
			Common Work Results for Masonry	04 05
			Masonry Anchorage and Reinforcing	04 05 19

04

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.00	
		For Hot-Dipped Galvanized, Add	55.71	
		For Stainless Steel, Add	222.82	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.61	
		For Hot-Dipped Galvanized, Add	56.64	
		For Stainless Steel, Add	226.56	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.11	
		For Hot-Dipped Galvanized, Add	57.10	
		For Stainless Steel, Add	228.40	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	180.24	
		For Hot-Dipped Galvanized, Add	57.63	
		For Stainless Steel, Add	230.50	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	198.95	
		For Hot-Dipped Galvanized, Add	64.91	
		For Stainless Steel, Add	259.64	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	232.26	
		For Hot-Dipped Galvanized, Add	79.51	
		For Stainless Steel, Add	318.02	
04 05 19 13-0277		Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.12	
		For Hot-Dipped Galvanized, Add	61.44	
		For Stainless Steel, Add	245.76	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.57	
		For Hot-Dipped Galvanized, Add	62.29	
		For Stainless Steel, Add	249.16	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.35	
		For Hot-Dipped Galvanized, Add	63.23	
		For Stainless Steel, Add	252.92	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.80	
		For Hot-Dipped Galvanized, Add	64.11	
		For Stainless Steel, Add	256.42	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.37	
		For Hot-Dipped Galvanized, Add	65.02	
		For Stainless Steel, Add	260.08	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.93	
		For Hot-Dipped Galvanized, Add	65.52	
		For Stainless Steel, Add	262.08	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	196.96	
		For Hot-Dipped Galvanized, Add	65.98	
		For Stainless Steel, Add	263.92	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	221.02	
		For Hot-Dipped Galvanized, Add	75.95	
		For Stainless Steel, Add	303.80	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	270.12	
		For Hot-Dipped Galvanized, Add	98.45	
		For Stainless Steel, Add	393.78	
04 05 19 13-0287		Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.18	
		For Hot-Dipped Galvanized, Add	69.47	
		For Stainless Steel, Add	277.88	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.73	
		For Hot-Dipped Galvanized, Add	71.20	
		For Stainless Steel, Add	284.78	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.26	
		For Hot-Dipped Galvanized, Add	72.92	
		For Stainless Steel, Add	291.66	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	201.53	
		For Hot-Dipped Galvanized, Add	74.97	
		For Stainless Steel, Add	299.88	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	210.79		
		For Hot-Dipped Galvanized, Add	77.02		
		For Stainless Steel, Add	308.08		
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	218.13		
		For Hot-Dipped Galvanized, Add	78.11		
		For Stainless Steel, Add	312.44		
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	222.59		
		For Hot-Dipped Galvanized, Add	79.05		
		For Stainless Steel, Add	316.20		
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	230.98		
		For Hot-Dipped Galvanized, Add	80.93		
		For Stainless Steel, Add	323.70		
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	291.66		
		For Hot-Dipped Galvanized, Add	109.20		
		For Stainless Steel, Add	436.80		
04 05 19 13-0297		Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0203)			
04 05 19 13-0298		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)			
04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	118.72		
		For Hot-Dipped Galvanized, Add	33.24		
		For Stainless Steel, Add	132.96		
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.73		
		For Hot-Dipped Galvanized, Add	34.85		
		For Stainless Steel, Add	139.38		
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.61		
		For Hot-Dipped Galvanized, Add	36.89		
		For Stainless Steel, Add	147.54		
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.20		
		For Hot-Dipped Galvanized, Add	38.28		
		For Stainless Steel, Add	153.12		
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	151.45		
		For Hot-Dipped Galvanized, Add	39.45		
		For Stainless Steel, Add	157.80		
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	162.31		
		For Hot-Dipped Galvanized, Add	42.27		
		For Stainless Steel, Add	169.08		
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	172.58		
		For Hot-Dipped Galvanized, Add	45.09		
		For Stainless Steel, Add	180.34		
04 05 19 13-0306		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)			
04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.43		
		For Hot-Dipped Galvanized, Add	43.60		
		For Stainless Steel, Add	174.38		
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	148.49		
		For Hot-Dipped Galvanized, Add	45.23		
		For Stainless Steel, Add	180.90		
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	158.27		
		For Hot-Dipped Galvanized, Add	47.22		
		For Stainless Steel, Add	188.86		
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	166.91		
		For Hot-Dipped Galvanized, Add	48.64		
		For Stainless Steel, Add	194.54		
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	172.02		
		For Hot-Dipped Galvanized, Add	49.74		
		For Stainless Steel, Add	198.94		
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	182.92		
		For Hot-Dipped Galvanized, Add	52.58		
		For Stainless Steel, Add	210.30		



			Masonry	04
			Common Work Results for Masonry	04 05
			Masonry Anchorage and Reinforcing	04 05 19

04

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	193.29 55.44 221.76	
04 05 19 13-0314	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0315	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	158.63 53.20 212.78	
04 05 19 13-0316	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	169.47 55.72 222.86	
04 05 19 13-0317	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	182.19 59.18 236.70	
04 05 19 13-0318	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	191.75 61.06 244.22	
04 05 19 13-0319	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	198.41 62.93 251.72	
04 05 19 13-0320	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	212.11 67.17 268.68	
04 05 19 13-0321	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	223.76 70.68 282.70	
04 05 19 13-0322	Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0323	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0324	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	183.28 65.52 262.08	
04 05 19 13-0325	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	190.00 65.98 263.92	
04 05 19 13-0326	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	199.01 67.59 270.34	
04 05 19 13-0327	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	211.98 69.72 278.86	
04 05 19 13-0328	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	222.24 72.24 288.94	
04 05 19 13-0329	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	233.02 75.31 301.22	
04 05 19 13-0330	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0331	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	215.31 81.54 326.14	
04 05 19 13-0332	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	222.48 82.22 328.88	
04 05 19 13-0333	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	231.49 83.83 335.30	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	244.37	
		For Hot-Dipped Galvanized, Add	85.91	
		For Stainless Steel, Add	343.64	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	254.22	
		For Hot-Dipped Galvanized, Add	88.23	
		For Stainless Steel, Add	352.90	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	263.53	
		For Hot-Dipped Galvanized, Add	90.56	
		For Stainless Steel, Add	362.24	
04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)				
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	232.86	
		For Hot-Dipped Galvanized, Add	90.31	
		For Stainless Steel, Add	361.24	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	240.03	
		For Hot-Dipped Galvanized, Add	91.00	
		For Stainless Steel, Add	363.98	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	250.87	
		For Hot-Dipped Galvanized, Add	93.52	
		For Stainless Steel, Add	374.06	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	266.18	
		For Hot-Dipped Galvanized, Add	96.82	
		For Stainless Steel, Add	387.26	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	279.74	
		For Hot-Dipped Galvanized, Add	100.99	
		For Stainless Steel, Add	403.94	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	293.63	
		For Hot-Dipped Galvanized, Add	105.61	
		For Stainless Steel, Add	422.44	
04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)				
04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)				
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.18	
		For Hot-Dipped Galvanized, Add	68.57	
		For Stainless Steel, Add	274.28	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.94	
		For Hot-Dipped Galvanized, Add	69.05	
		For Stainless Steel, Add	276.20	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.76	
		For Hot-Dipped Galvanized, Add	70.61	
		For Stainless Steel, Add	282.42	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	223.20	
		For Hot-Dipped Galvanized, Add	72.72	
		For Stainless Steel, Add	290.86	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	232.97	
		For Hot-Dipped Galvanized, Add	75.28	
		For Stainless Steel, Add	301.12	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	241.42	
		For Hot-Dipped Galvanized, Add	77.89	
		For Stainless Steel, Add	311.56	
04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)				
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	227.11	
		For Hot-Dipped Galvanized, Add	84.54	
		For Stainless Steel, Add	338.14	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	234.29	
		For Hot-Dipped Galvanized, Add	85.23	
		For Stainless Steel, Add	340.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	246.20	
			For Hot-Dipped Galvanized, Add	86.83	
			For Stainless Steel, Add	347.30	
04 05 19 13-0356	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	255.64	
			For Hot-Dipped Galvanized, Add	88.94	
			For Stainless Steel, Add	355.74	
04 05 19 13-0357	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	264.91	
			For Hot-Dipped Galvanized, Add	91.25	
			For Stainless Steel, Add	365.00	
04 05 19 13-0358	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	273.63	
			For Hot-Dipped Galvanized, Add	94.00	
			For Stainless Steel, Add	375.98	
04 05 19 13-0359			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0360	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	244.71	
			For Hot-Dipped Galvanized, Add	93.34	
			For Stainless Steel, Add	373.34	
04 05 19 13-0361	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	251.83	
			For Hot-Dipped Galvanized, Add	94.00	
			For Stainless Steel, Add	375.98	
04 05 19 13-0362	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	265.68	
			For Hot-Dipped Galvanized, Add	96.57	
			For Stainless Steel, Add	386.26	
04 05 19 13-0363	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	277.45	
			For Hot-Dipped Galvanized, Add	99.84	
			For Stainless Steel, Add	399.36	
04 05 19 13-0364	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	290.38	
			For Hot-Dipped Galvanized, Add	103.99	
			For Stainless Steel, Add	415.94	
04 05 19 13-0365	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	299.93	
			For Hot-Dipped Galvanized, Add	107.15	
			For Stainless Steel, Add	428.58	
04 05 19 13-0366			Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0367			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)		
04 05 19 13-0368	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.85	
			For Hot-Dipped Galvanized, Add	62.41	
			For Stainless Steel, Add	249.62	
			For Seismic Hook And Eye, Add	26.83	
04 05 19 13-0369	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.52	
			For Hot-Dipped Galvanized, Add	62.84	
			For Stainless Steel, Add	251.36	
			For Seismic Hook And Eye, Add	27.02	
04 05 19 13-0370	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	200.93	
			For Hot-Dipped Galvanized, Add	64.19	
			For Stainless Steel, Add	256.76	
			For Seismic Hook And Eye, Add	27.60	
04 05 19 13-0371	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.05	
			For Hot-Dipped Galvanized, Add	66.14	
			For Stainless Steel, Add	264.56	
			For Seismic Hook And Eye, Add	28.44	
04 05 19 13-0372	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	218.72	
			For Hot-Dipped Galvanized, Add	68.16	
			For Stainless Steel, Add	272.62	
			For Seismic Hook And Eye, Add	29.31	
04 05 19 13-0373	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	226.90	
			For Hot-Dipped Galvanized, Add	70.63	
			For Stainless Steel, Add	282.52	
			For Seismic Hook And Eye, Add	30.37	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	212.27	
		For Hot-Dipped Galvanized, Add		77.12	
		For Stainless Steel, Add		308.46	
		For Seismic Hook And Eye, Add		33.16	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	219.26	
		For Hot-Dipped Galvanized, Add		77.71	
		For Stainless Steel, Add		310.84	
		For Seismic Hook And Eye, Add		33.42	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	230.44	
		For Hot-Dipped Galvanized, Add		78.95	
		For Stainless Steel, Add		315.78	
		For Seismic Hook And Eye, Add		33.95	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	239.37	
		For Hot-Dipped Galvanized, Add		80.80	
		For Stainless Steel, Add		323.20	
		For Seismic Hook And Eye, Add		34.74	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	248.00	
		For Hot-Dipped Galvanized, Add		82.80	
		For Stainless Steel, Add		331.18	
		For Seismic Hook And Eye, Add		35.60	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	255.63	
		For Hot-Dipped Galvanized, Add		85.00	
		For Stainless Steel, Add		339.98	
		For Seismic Hook And Eye, Add		36.55	
04 05 19 13-0381			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties	For Composite Walls, Masonry Wall Reinforcement	230.04	
		For Hot-Dipped Galvanized, Add		86.00	
		For Stainless Steel, Add		344.00	
		For Seismic Hook And Eye, Add		36.98	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties	For Composite Walls, Masonry Wall Reinforcement	237.17	
		For Hot-Dipped Galvanized, Add		86.67	
		For Stainless Steel, Add		346.66	
		For Seismic Hook And Eye, Add		37.27	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties	For Composite Walls, Masonry Wall Reinforcement	250.69	
		For Hot-Dipped Galvanized, Add		89.07	
		For Stainless Steel, Add		356.28	
		For Seismic Hook And Eye, Add		38.30	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	262.19	
		For Hot-Dipped Galvanized, Add		92.21	
		For Stainless Steel, Add		368.84	
		For Seismic Hook And Eye, Add		39.65	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	274.76	
		For Hot-Dipped Galvanized, Add		96.18	
		For Stainless Steel, Add		384.70	
		For Seismic Hook And Eye, Add		41.36	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye	Ties For Composite Walls, Masonry Wall Reinforcement.....	286.78	
		For Hot-Dipped Galvanized, Add		100.57	
		For Stainless Steel, Add		402.28	
		For Seismic Hook And Eye, Add		43.25	
04 05 19 13-0388			Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0389			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0388)		
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		194.52	
		For Hot-Dipped Galvanized, Add		65.34	
		For Stainless Steel, Add		261.36	
		For Seismic Hook And Eye, Add		28.10	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		204.14	
		For Hot-Dipped Galvanized, Add		65.80	
		For Stainless Steel, Add		263.18	
		For Seismic Hook And Eye, Add		28.29	



Masonry			04	04
Common Work Results for Masonry			04 05	
Masonry Anchorage and Reinforcing			04 05 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	212.25 67.24 268.96 28.91	
04 05 19 13-0393	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	221.01 69.30 277.20 29.80	
04 05 19 13-0394	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	229.01 71.69 286.74 30.82	
04 05 19 13-0395			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)		
04 05 19 13-0396	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	226.22 81.19 324.76 34.91	
04 05 19 13-0397	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	235.94 81.70 326.78 35.13	
04 05 19 13-0398	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	243.95 83.09 332.36 35.73	
04 05 19 13-0399	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	252.35 84.97 339.88 36.54	
04 05 19 13-0400	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	259.43 86.90 347.58 37.36	
04 05 19 13-0401			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)		
04 05 19 13-0402	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	241.62 88.89 355.56 38.22	
04 05 19 13-0403	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	251.61 89.53 358.12 38.50	
04 05 19 13-0404	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	261.69 91.96 367.84 39.54	
04 05 19 13-0405	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	272.56 95.08 380.30 40.88	
04 05 19 13-0406	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement For Hot-Dipped Galvanized, Add For Stainless Steel, Add For Seismic Hook And Eye, Add	283.71 99.04 396.14 42.59	
04 05 19 16			Masonry Anchors (04 05 19)		
04 05 19 16-0001			Rectangular, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0002			Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0003	EA	2"	Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.36	
04 05 19 16-0004	EA	2"	Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.44	
04 05 19 16-0005	EA	2"	Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.52	
04 05 19 16-0006	EA	2"	Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.62	
04 05 19 16-0007	EA	2"	Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.73	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.52		
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.62		
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.73		
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.83		
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)			
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.21		
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.24		
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.28		
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.33		
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39		
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.28		
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.33		
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39		
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.45		
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties (04 05 19 16)			
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)			
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.21		
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.26		
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.41		
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.48		
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.49		
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.59		
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.70		
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.77		
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)			
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.10		
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.12		
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.23		
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.26		
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.27		
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.33		
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.39		
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.46		
04 05 19 16-0041		Wire Beam Ties (04 05 19 16)			
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)			
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.62		
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.65		
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.69		
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.72		
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.79		
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)			
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.92		
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.00		
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.09		
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.13		
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.20		
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)			
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)			
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.79		
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.87		
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.89		
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.96		
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.98		
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)			
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.52		
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.57		
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.59		
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.63		
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.65		
04 05 19 16-0067		Corrugated Buck (Brick) Anchors (04 05 19 16)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068 Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0069 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.17	
04 05 19 16-0070 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.25	
04 05 19 16-0071 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.33	
04 05 19 16-0072 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.42	
04 05 19 16-0073 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.50	
04 05 19 16-0074 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.24	
04 05 19 16-0075 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.33	
04 05 19 16-0076 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.42	
04 05 19 16-0077 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.50	
04 05 19 16-0078 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.59	
04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0080 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.87	
04 05 19 16-0081 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.94	
04 05 19 16-0082 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.00	
04 05 19 16-0083 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.06	
04 05 19 16-0084 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.12	
04 05 19 16-0085 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.93	
04 05 19 16-0086 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.99	
04 05 19 16-0087 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.06	
04 05 19 16-0088 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.12	
04 05 19 16-0089 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.19	
04 05 19 16-0090 Corrugated Wall Ties (04 05 19 16)		
04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0092 EA 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.10	
04 05 19 16-0093 EA 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.17	
04 05 19 16-0094 EA 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.19	
04 05 19 16-0095 EA 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.21	
04 05 19 16-0096 EA 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.45	
04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0098 EA 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.12	
04 05 19 16-0099 EA 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.14	
04 05 19 16-0100 EA 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.16	
04 05 19 16-0101 EA 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.34	
04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0103 EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.36	
04 05 19 16-0104 EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.42	
04 05 19 16-0105 EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.48	
04 05 19 16-0106 EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.53	
04 05 19 16-0107 EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.80	
04 05 19 16-0108 Wire Mesh Wall Ties (04 05 19 16)		
Note: 1/2" square mesh.		
04 05 19 16-0109 EA 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.21	
04 05 19 16-0110 EA 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.68	
04 05 19 16-0111 EA 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.17	
04 05 19 16-0112 EA 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.06	
04 05 19 16-0113 EA 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.81	
04 05 19 16-0114 EA 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.68	
04 05 19 16-0115 Triangle Brick Ties (04 05 19 16)		
04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0117 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.96	
04 05 19 16-0118 EA 3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.99	
04 05 19 16-0119 EA 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.03	
04 05 19 16-0120 EA 4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.11	
04 05 19 16-0121 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.15	
04 05 19 16-0122 EA 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.27	
04 05 19 16-0123 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.34	
04 05 19 16-0124 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.52	
04 05 19 16-0125 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.33	
04 05 19 16-0126 EA 3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.35	
04 05 19 16-0127 EA 4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.38	
04 05 19 16-0128 EA 4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.46	
04 05 19 16-0129 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.49	
04 05 19 16-0130 EA 6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.60	
04 05 19 16-0131 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.66	
04 05 19 16-0132 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.85	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.78
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.79
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.80
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.86
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.88
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.95
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.98
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.04
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.00
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.02
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.04
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.11
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.13
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.22
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.26
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.36
04 05 19 16-0150		Seismic Veneer Anchors (04 05 19 16)	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor.....	5.38
		Note: For horizontal wire attachment. Excludes wire.	
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors (04 05 19 16)	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	6.39
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	6.93
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	5.38
04 05 19 16-0156		Strap Partition Top Anchors (04 05 19 16)	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	3.68
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	5.66
04 05 19 16-0159		Rigid Partition Anchors (04 05 19 16)	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.79
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.02
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.31
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.56
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.82
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.08
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.83
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.65
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.47
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	6.30
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	7.12
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	7.95
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.56
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.76
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.96
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.17
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.36
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.57
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates (04 05 19 16)	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.79
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.88
04 05 19 16-0183		Wire Column Ties (04 05 19 16)	
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.15
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.29
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.39
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.53
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.27
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.39
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.48
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.87	
04 05 19 16-0194 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.11	
04 05 19 16-0195 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.27	
04 05 19 16-0196 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.49	
04 05 19 16-0197 EA 10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.11	
04 05 19 16-0198 EA 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.27	
04 05 19 16-0199 EA 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.41	
04 05 19 16-0200 EA 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.56	
04 05 19 16-0201 Mill Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0202 EA 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.91	
04 05 19 16-0203 EA 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.00	
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.05	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.13	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.94	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.03	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.08	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.15	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.44	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.60	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.67	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.82	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.37	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.63	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.74	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.82	
04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)		
04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)		
04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.23	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.64	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.87	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.99	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.26	
04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.42	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.93	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.05	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.23	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.34	
04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.95	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.32	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.45	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.87	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.28	
04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.24	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.52	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.81	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.17	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.38	
04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)		
04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.55	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.69	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.46	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.70	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.89	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.53	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.69	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.86	
04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0256 EA 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.31	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.39	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.47	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.37	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.54	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.67	
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.40	
04 05 19 16-0263 EA 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.59	
04 05 19 16-0264 EA 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.73	
04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.70	
04 05 19 16-0268 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.83	
04 05 19 16-0269 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.97	
04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)		
04 05 19 16-0271 EA 3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	3.85	
04 05 19 16-0272 EA 3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	6.10	
04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)		
04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0275 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.52	
04 05 19 16-0276 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.69	
04 05 19 16-0277 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.82	
04 05 19 16-0278 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.93	
04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0280 EA 3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.28	
04 05 19 16-0281 EA 5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.29	
04 05 19 16-0282 EA 7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.37	
04 05 19 16-0283 EA 9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.56	
04 05 19 26 Masonry Reinforcing Bars (04 05 19)		
Note: Includes cutting and bending.		
04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0002 LF #3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.12	
04 05 19 26-0003 LF #4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.84	
04 05 19 26-0004 LF #5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.61	
04 05 19 26-0005 LF #6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.43	
04 05 19 26-0006 LF #3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.13	
04 05 19 26-0007 LF #4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.87	
04 05 19 26-0008 LF #5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.66	
04 05 19 26-0009 LF #6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.51	
04 05 19 26-0010 LF #3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.16	
04 05 19 26-0011 LF #4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.92	
04 05 19 26-0012 LF #5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.74	
04 05 19 26-0013 LF #6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.62	
04 05 19 26-0014 LF #3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.31	
04 05 19 26-0015 LF #4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.13	
04 05 19 26-0016 LF #5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.01	
04 05 19 26-0017 LF #6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.92	
04 05 19 26-0018 LF #3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.32	
04 05 19 26-0019 LF #4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.16	
04 05 19 26-0020 LF #5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.06	
04 05 19 26-0021 LF #6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.00	
04 05 19 26-0022 LF #3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.35	
04 05 19 26-0023 LF #4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.21	
04 05 19 26-0024 LF #5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.14	
04 05 19 26-0025 LF #6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.11	
04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0027 LF #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.31	
04 05 19 26-0028 LF #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.18	
04 05 19 26-0029 LF #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.15	
04 05 19 26-0030 LF #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.20	
04 05 19 26-0031 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.33	
04 05 19 26-0032 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.21	
04 05 19 26-0033 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.20	
04 05 19 26-0034 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.27	
04 05 19 26-0035 LF #3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.35	
04 05 19 26-0036 LF #4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0037 LF #5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.28	



Masonry		04	04
Common Work Results for Masonry		04 05	
Masonry Anchorage and Reinforcing		04 05 19	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.39	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.50	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.47	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.55	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.69	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.52	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.50	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.60	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.76	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.54	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.55	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.68	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.88	
04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)				
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.14	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.09	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.11	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.17	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.14	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.19	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.33	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.23	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.22	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.30	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.48	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.43	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.49	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.60	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.50	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.46	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.54	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.68	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.52	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.52	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.62	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.79	
04 05 23 Masonry Accessories (04 05)				
04 05 23 13 Masonry Control and Expansion Joints (04 05 23)				
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)				
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)				
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.19	1.03
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.03	1.03
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	12.62	1.03
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)				
04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	3.84	1.03
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.98	1.03
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.03	1.03
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.59	1.03
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.29	1.03
04 05 23 16 Masonry Embedded Flashing (04 05 23)				
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)				
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)				
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.38	1.99
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.34	1.99
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.00	1.99
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.34	1.99
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)				
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.32	1.99
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.18	1.99
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.24	1.99
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.07	1.99

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)			
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.60	1.99	
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.79	1.99	
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.52	1.99	
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.11	1.99	
04 05 23 16-0017		Stainless Steel Through Wall Flashing (04 05 23 16)			
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0017)			
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	8.15	1.86	
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)			
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.07	2.18	
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.27	2.18	
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.51	2.18	
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.28	2.18	
04 05 23 16-0025		Copper Through Wall Flashing (04 05 23 16)			
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)			
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.94	1.86	
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.65	1.86	
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.60	1.86	
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.32	1.86	
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.04	1.86	
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)			
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.64	1.86	
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.26	1.86	
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.51	1.86	
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.57	1.86	
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.79	1.86	
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)			
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.02	1.86	
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.74	1.86	
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.67	1.86	
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.39	1.86	
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.12	1.86	
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)			
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.11	1.86	
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.98	1.86	
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.24	1.86	
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.88	1.86	
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.98	1.86	
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)			
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.00	1.86	
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.60	1.86	
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0025)			
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.			
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.49	1.86	
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	11.82	1.86	
04 05 23 19		Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)			
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)			
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.			
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	83.34		
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	103.70		
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	131.46		
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	103.29		
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	128.04		
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	162.75		
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	122.95		
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	167.75		
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	206.18		



Masonry			04	04
Common Work Results for Masonry			04 05	
Masonry Accessories			04 05 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0011	EA		24" x 2-3/8" Aluminum Brick Vent.....	169.41	
04 05 23 19-0012	EA		24" x 4-3/4" Aluminum Brick Vent.....	221.06	
04 05 23 19-0013	EA		24" x 7-3/4" Aluminum Brick Vent.....	273.29	

04 20 Unit Masonry⁽⁰⁴⁾

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry^(04 20)

04 21 13 Brick Masonry^(04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry^(04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	25.64
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		For Buff Or Gray, Add	0.86
		For Common Or American Bond, Add	0.82
		For English Bond, Add	1.64
		For Flemish Bond, Add	3.33
		For Stacked Bond, Add	2.31
		For <10, Small Area Replacements (Individual Areas), Add	30.98
		For Curved Wall, Add	4.10
		For Corbels, Add	15.36
		For Severe Weather (SW) Brick, Add	0.77
		For Glazed Brick, Add	18.06
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	26.42
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	
		For Buff Or Gray, Add	1.07
		For Common Or American Bond, Add	0.80
		For English Bond, Add	1.60
		For Flemish Bond, Add	3.32
		For Stacked Bond, Add	2.32
		For <10, Small Area Replacements (Individual Areas), Add	30.35
		For Curved Wall, Add	4.00
		For Corbels, Add	15.02
		For Severe Weather (SW) Brick, Add	0.96
		For Glazed Brick, Add	22.40
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	25.64
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	
		For Buff Or Gray, Add	0.86
		For Common Or American Bond, Add	0.82
		For English Bond, Add	1.64
		For Flemish Bond, Add	3.33
		For Stacked Bond, Add	2.31
		For <10, Small Area Replacements (Individual Areas), Add	30.98
		For Curved Wall, Add	4.10
		For Corbels, Add	15.36
		For Severe Weather (SW) Brick, Add	0.77
		For Glazed Brick, Add	18.06
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond.....	26.42
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	
		For Buff Or Gray, Add	1.07
		For Common Or American Bond, Add	0.80
		For English Bond, Add	1.60
		For Flemish Bond, Add	3.32
		For Stacked Bond, Add	2.32
		For <10, Small Area Replacements (Individual Areas), Add	30.35
		For Curved Wall, Add	4.00
		For Corbels, Add	15.02
		For Severe Weather (SW) Brick, Add	0.96
		For Glazed Brick, Add	22.40
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond.....	26.25
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	
		For Buff Or Gray, Add	1.04
		For Common Or American Bond, Add	0.80
		For English Bond, Add	1.60
		For Flemish Bond, Add	3.31
		For Stacked Bond, Add	2.31
		For <10, Small Area Replacements (Individual Areas), Add	30.34
		For Curved Wall, Add	4.00
		For Corbels, Add	15.02
		For Severe Weather (SW) Brick, Add	0.93
		For Glazed Brick, Add	21.81
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond.....	19.31
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	
		For Buff Or Gray, Add	0.89
		For Common Or American Bond, Add	0.56
		For English Bond, Add	1.12
		For Flemish Bond, Add	2.36
		For Stacked Bond, Add	1.66
		For <10, Small Area Replacements (Individual Areas), Add	21.24
		For Curved Wall, Add	2.80
		For Corbels, Add	10.49
		For Severe Weather (SW) Brick, Add	0.80
		For Glazed Brick, Add	18.66

04 Masonry**04 20 Unit Masonry****04 21 Clay Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF		Double Utility Size Red Brick, Running Bond.....	17.72	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
			For Buff Or Gray, Add	0.62	
			For Common Or American Bond, Add	0.56	
			For English Bond, Add	1.12	
			For Flemish Bond, Add	2.28	
			For Stacked Bond, Add	1.59	
			For <10, Small Area Replacements (Individual Areas), Add	21.16	
			For Curved Wall, Add	2.80	
			For Corbels, Add	10.49	
			For Severe Weather (SW) Brick, Add	0.56	
			For Glazed Brick, Add	13.09	
04 21 13 00-0009	SF		Norman Size Red Brick, Running Bond.....	26.74	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
			For Buff Or Gray, Add	1.12	
			For Common Or American Bond, Add	0.80	
			For English Bond, Add	1.60	
			For Flemish Bond, Add	3.34	
			For Stacked Bond, Add	2.34	
			For <10, Small Area Replacements (Individual Areas), Add	30.37	
			For Curved Wall, Add	4.00	
			For Corbels, Add	15.02	
			For Severe Weather (SW) Brick, Add	1.01	
			For Glazed Brick, Add	23.52	
04 21 13 00-0010	SF		Roman Size Red Brick, Running Bond.....	28.15	
			Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
			For Buff Or Gray, Add	1.36	
			For Common Or American Bond, Add	0.80	
			For English Bond, Add	1.60	
			For Flemish Bond, Add	3.41	
			For Stacked Bond, Add	2.41	
			For <10, Small Area Replacements (Individual Areas), Add	30.44	
			For Curved Wall, Add	4.00	
			For Corbels, Add	15.02	
			For Severe Weather (SW) Brick, Add	1.22	
			For Glazed Brick, Add	28.46	
04 21 13 00-0011 Fire Brick (04 21 13)					
04 21 13 00-0012	SF		Running Bond, Red Fire Brick	29.56	
			For Buff Or Gray, Add	1.59	
			For Common Or American Bond, Add	0.80	
			For English Bond, Add	1.60	
			For Flemish Bond, Add	3.48	
			For Stacked Bond, Add	2.48	
			For <10, Small Area Replacements (Individual Areas), Add	30.51	
04 21 13 00-0013 Window Sill (04 21 13)					
04 21 13 00-0014	LF		Standard Size Red Brick, Window Sill	23.81	
			Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.29	
04 21 13 00-0015	LF		Engineer Standard Size Red Brick, Window Sill.....	24.02	
			Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.33	
04 21 13 00-0016	LF		Modular Size Red Brick, Window Sill	23.81	
			Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.29	
04 21 13 00-0017	LF		Engineer Modular Size Red Brick, Window Sill.....	24.16	
			Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.35	
04 21 13 00-0018	LF		Economy Size Red Brick, Window Sill.....	25.08	
			Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.51	
04 21 13 00-0019	LF		Utility Size Red Brick, Window Sill	25.27	
			Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.54	
04 21 13 00-0020	LF		Double Utility Size Red Brick, Window Sill.....	25.27	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.54	
04 21 13 00-0021	LF		Norman Size Red Brick, Window Sill	24.28	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.37	
04 21 13 00-0022	LF		Roman Size Red Brick, Window Sill	24.38	
			Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.39	
04 21 19 Clay Tile Masonry (04 21)					
04 21 19 00-0001			Scored Face, Hollow, Clay Backing Tile (04 21 19)		
04 21 19 00-0002			Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0003	SF		4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.74	
			For Smooth Face, One Side, Add	1.56	
			For Smooth Face, Two Sides, Add	2.63	



Masonry			04	04
Unit Masonry			04 20	
Clay Unit Masonry			04 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	26.90 1.73 2.92	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	30.21 2.01 3.41	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	41.69 3.09 5.36	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	54.93 4.31 7.53	
04 21 19 00-0008		Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	20.70 1.26 2.10	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	24.84 1.63 2.77	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	25.48 1.66 2.80	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	39.12 2.95 5.12	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	53.44 4.27 7.47	
04 21 26		Glazed Structural Clay Tile Masonry (04 21) Note: Includes tile and mortar in all colors.		
04 21 26 00-0001		6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	33.73 2.19	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	37.85 2.19	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	46.32 2.29	
04 21 26 00-0006		Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	35.24 2.59	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	42.11 2.59	
04 21 26 00-0009		8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010		Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	26.55 1.39	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	33.08 1.49	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	45.80 1.59	
04 21 26 00-0014		Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.34 1.79	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.28 1.79	
04 21 26 00-0017		4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	35.28 2.19	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	37.34 2.19	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	46.57 2.29	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		

04 Masonry**04 20 Unit Masonry****04 21 Clay Unit Masonry**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.50 2.59	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	42.00 2.59	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	36.48	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	39.41	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	46.00	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	40.70	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	45.96	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	54.53	
04 21 29 Terra Cotta Masonry (04 21)				
04 21 29 00-0001		Coping (04 21 29)		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF	Terra Cotta Coping <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	113.94 3.89 7.86	42.13
04 21 29 00-0003		Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004		Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	28.32 3.73 3.49	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	30.03 3.90 3.67	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	38.89 5.33 4.91	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	47.67 6.70 6.11	
04 21 29 00-0009		Load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0010		In Walls (04 21 29 00-0009)		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	31.94 4.25 3.96	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	43.23 6.11 5.56	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	51.90 7.46 6.74	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	54.34 7.63 6.96	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	65.32 9.25 8.41	
04 21 29 00-0016		In Floors (04 21 29 00-0009)		
04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	29.16 4.25 3.82	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	40.14 6.11 5.40	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	48.72 7.46 6.58	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	50.76 7.63 6.78	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	60.68 9.25 8.17	

04 22 Concrete Unit Masonry (04 20)



Masonry			04
Unit Masonry			04 20
Concrete Unit Masonry			04 22

04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry (04 22)**04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)**

04 22 23 13-0001	Concrete Blocks (04 22 23 13)	
04 22 23 13-0002	Lightweight Concrete Blocks (04 22 23 13-0001)	
04 22 23 13-0003	Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)	
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block	12.74
	For Stacked Bond, Add	2.75
	For Scored Block, Add	0.43
	For Curved Wall Application, Add	2.11
	For <10, Small Area Replacements (Individual Areas), Add	16.02
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block	14.19
	For Stacked Bond, Add	2.97
	For Scored Block, Add	0.55
	For Curved Wall Application, Add	2.29
	For <10, Small Area Replacements (Individual Areas), Add	17.37
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block	15.38
	For Stacked Bond, Add	3.20
	For Scored Block, Add	0.62
	For Curved Wall Application, Add	2.46
	For <10, Small Area Replacements (Individual Areas), Add	18.67
04 22 23 13-0007	SF 10" x 8" x 16", Cored, Lightweight, Concrete Block	16.98
	For Stacked Bond, Add	3.34
	For Scored Block, Add	0.83
	For Curved Wall Application, Add	2.57
	For <10, Small Area Replacements (Individual Areas), Add	19.58
04 22 23 13-0008	SF 12" x 8" x 16", Cored, Lightweight, Concrete Block	20.26
	For Stacked Bond, Add	4.12
	For Scored Block, Add	0.89
	For Curved Wall Application, Add	3.17
	For <10, Small Area Replacements (Individual Areas), Add	24.08

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)

04 22 23 13-0010	SF 4" x 8" x 16", Solid, Lightweight, Concrete Block	13.74
	For Stacked Bond, Add	2.82
	For Scored Block, Add	0.58
	For Curved Wall Application, Add	2.17
	For <10, Small Area Replacements (Individual Areas), Add	16.49
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	15.06
	For Stacked Bond, Add	3.10
	For Scored Block, Add	0.63
	For Curved Wall Application, Add	2.39
	For <10, Small Area Replacements (Individual Areas), Add	18.13
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	15.89
	For Stacked Bond, Add	3.29
	For Scored Block, Add	0.65
	For Curved Wall Application, Add	2.53
	For <10, Small Area Replacements (Individual Areas), Add	19.23
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	17.73
	For Stacked Bond, Add	3.45
	For Scored Block, Add	0.89
	For Curved Wall Application, Add	2.65
	For <10, Small Area Replacements (Individual Areas), Add	20.23
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	21.14
	For Stacked Bond, Add	4.25
	For Scored Block, Add	0.96
	For Curved Wall Application, Add	3.27
	For <10, Small Area Replacements (Individual Areas), Add	24.90

04 22 23 13-0015 Normal Weight Concrete Blocks (04 22 23 13-0001)**04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)**

04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block	13.02
	For Stacked Bond, Add	2.82
	For Scored Block, Add	0.43
	For Curved Wall Application, Add	2.17
	For <10, Small Area Replacements (Individual Areas), Add	16.44
	For 3,500 PSI, Add	0.46
	For 5,000 PSI, Add	0.78
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block	14.41
	For Stacked Bond, Add	3.10
	For Scored Block, Add	0.50
	For Curved Wall Application, Add	2.39
	For <10, Small Area Replacements (Individual Areas), Add	18.08
	For 3,500 PSI, Add	0.52
	For 5,000 PSI, Add	0.89

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normal Weight, Concrete Block.....	15.51	
			For Stacked Bond, Add	3.29	
			For Scored Block, Add	0.57	
			For Curved Wall Application, Add	2.53	
			For <10, Small Area Replacements (Individual Areas), Add	19.20	
			For 3,500 PSI, Add	0.60	
			For 5,000 PSI, Add	1.03	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	18.76	
			For Stacked Bond, Add	3.45	
			For Scored Block, Add	1.10	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.30	
			For 3,500 PSI, Add	1.16	
			For 5,000 PSI, Add	1.98	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	22.03	
			For Stacked Bond, Add	4.25	
			For Scored Block, Add	1.13	
			For Curved Wall Application, Add	3.27	
			For <10, Small Area Replacements (Individual Areas), Add	24.97	
			For 3,500 PSI, Add	1.19	
			For 5,000 PSI, Add	2.04	
04 22 23 13-0022			Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0023	SF		4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	13.89	
			For Stacked Bond, Add	2.90	
			For Scored Block, Add	0.55	
			For Curved Wall Application, Add	2.23	
			For <10, Small Area Replacements (Individual Areas), Add	16.92	
			For 3,500 PSI, Add	0.58	
			For 5,000 PSI, Add	0.99	
04 22 23 13-0024	SF		6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.83	
			For Stacked Bond, Add	3.20	
			For Scored Block, Add	0.51	
			For Curved Wall Application, Add	2.46	
			For <10, Small Area Replacements (Individual Areas), Add	18.63	
			For 3,500 PSI, Add	0.53	
			For 5,000 PSI, Add	0.91	
04 22 23 13-0025	SF		8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.01	
			For Stacked Bond, Add	3.39	
			For Scored Block, Add	0.59	
			For Curved Wall Application, Add	2.61	
			For <10, Small Area Replacements (Individual Areas), Add	19.80	
			For 3,500 PSI, Add	0.62	
			For 5,000 PSI, Add	1.07	
04 22 23 13-0026	SF		10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.64	
			For Stacked Bond, Add	3.56	
			For Scored Block, Add	0.79	
			For Curved Wall Application, Add	2.74	
			For <10, Small Area Replacements (Individual Areas), Add	20.83	
			For 3,500 PSI, Add	0.83	
			For 5,000 PSI, Add	1.42	
04 22 23 13-0027	SF		12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.06	
			For Stacked Bond, Add	4.40	
			For Scored Block, Add	0.83	
			For Curved Wall Application, Add	3.39	
			For <10, Small Area Replacements (Individual Areas), Add	25.70	
			For 3,500 PSI, Add	0.87	
			For 5,000 PSI, Add	1.49	
04 22 23 13-0028			Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0029			Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
			Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF		6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	14.83	
			For Stacked Bond, Add	2.97	
			For Grout And Fill With 2 #5 Rebar, Add	9.11	
			For Scored Block, Add	0.68	
			For Curved Wall Application, Add	2.29	
04 22 23 13-0031	LF		8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.39	
			For Stacked Bond, Add	3.20	
			For Grout And Fill With 2 #5 Rebar, Add	10.25	
			For Scored Block, Add	0.82	
			For Curved Wall Application, Add	2.46	
04 22 23 13-0032	LF		12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	20.19	
			For Stacked Bond, Add	4.12	
			For Grout And Fill With 2 #5 Rebar, Add	12.28	
			For Scored Block, Add	0.87	
			For Curved Wall Application, Add	3.17	
04 22 23 13-0033			Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
			Note: Excludes concrete fill and reinforcing.		



Masonry			04	04
Unit Masonry			04 20	
Concrete Unit Masonry			04 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0034	LF		6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	14.83	
			For Stacked Bond, Add	3.10	
			For Grout And Fill With 2 #5 Rebar, Add	8.87	
			For Scored Block, Add	0.58	
			For Curved Wall Application, Add	2.39	
			For 3,500 PSI, Add	0.61	
			For 5,000 PSI, Add	1.04	
04 22 23 13-0035	LF		8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	16.27	
			For Stacked Bond, Add	3.29	
			For Grout And Fill With 2 #5 Rebar, Add	9.94	
			For Scored Block, Add	0.72	
			For Curved Wall Application, Add	2.53	
			For 3,500 PSI, Add	0.76	
			For 5,000 PSI, Add	1.30	
04 22 23 13-0036	LF		12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	20.23	
			For Stacked Bond, Add	4.25	
			For Grout And Fill With 2 #5 Rebar, Add	12.05	
			For Scored Block, Add	0.77	
			For Curved Wall Application, Add	3.27	
			For 3,500 PSI, Add	0.81	
			For 5,000 PSI, Add	1.39	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)					
04 22 23 23-0001			Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002	SF		4" x 8" x 16", Ground Face, Concrete Block	16.73	
			For Stacked Bond, Add	3.45	
			For Scored Block, Add	0.69	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.15	
04 22 23 23-0003	SF		6" x 8" x 16", Ground Face, Concrete Block	18.87	
			For Stacked Bond, Add	3.88	
			For Scored Block, Add	0.79	
			For Curved Wall Application, Add	2.98	
			For <10, Small Area Replacements (Individual Areas), Add	22.68	
04 22 23 23-0004	SF		8" x 8" x 16", Ground Face, Concrete Block	20.44	
			For Stacked Bond, Add	4.10	
			For Scored Block, Add	0.94	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	23.99	
04 22 23 23-0005	SF		10" x 8" x 16", Ground Face, Concrete Block	21.87	
			For Stacked Bond, Add	4.34	
			For Scored Block, Add	1.03	
			For Curved Wall Application, Add	3.34	
			For <10, Small Area Replacements (Individual Areas), Add	25.45	
04 22 23 23-0006	SF		12" x 8" x 16", Ground Face, Concrete Block	26.09	
			For Stacked Bond, Add	5.32	
			For Scored Block, Add	1.13	
			For Curved Wall Application, Add	4.09	
			For <10, Small Area Replacements (Individual Areas), Add	31.10	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)					
04 22 23 26-0001			Slotted, Acoustical Concrete Block (04 22 23 26)		
04 22 23 26-0002	SF		4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	22.85	
			For Stacked Bond, Add	3.45	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.61	
04 22 23 26-0003	SF		6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	25.64	
			For Stacked Bond, Add	3.74	
			For Curved Wall Application, Add	2.88	
			For <10, Small Area Replacements (Individual Areas), Add	22.44	
04 22 23 26-0004	SF		8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	29.61	
			For Stacked Bond, Add	4.10	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	24.68	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)					
04 22 23 29-0001			Split Face, Concrete Blocks (04 22 23 29)		
04 22 23 29-0002			Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003	SF		4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.14	
			For Stacked Bond, Add	3.45	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.18	
04 22 23 29-0004	SF		6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	19.36	
			For Stacked Bond, Add	3.88	
			For Curved Wall Application, Add	2.98	
			For <10, Small Area Replacements (Individual Areas), Add	22.71	

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0005	SF		8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.99	
			For Stacked Bond, Add	4.10	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	24.03	
04 22 23 29-0006	SF		10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	22.52	
			For Stacked Bond, Add	4.34	
			For Curved Wall Application, Add	3.34	
			For <10, Small Area Replacements (Individual Areas), Add	25.50	
04 22 23 29-0007	SF		12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	26.47	
			For Stacked Bond, Add	5.32	
			For Curved Wall Application, Add	4.09	
			For <10, Small Area Replacements (Individual Areas), Add	31.13	
04 22 23 29-0008			Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009	SF		4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.12	
			For Stacked Bond, Add	3.45	
			For Grout And Fill With 2 #5 Rebar, Add	11.49	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.25	
04 22 23 29-0010	SF		6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	20.46	
			For Stacked Bond, Add	3.88	
			For Grout And Fill With 2 #5 Rebar, Add	13.00	
			For Curved Wall Application, Add	2.98	
			For <10, Small Area Replacements (Individual Areas), Add	22.80	
04 22 23 29-0011	SF		8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.29	
			For Stacked Bond, Add	4.10	
			For Grout And Fill With 2 #5 Rebar, Add	14.41	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	24.13	
04 22 23 29-0012	SF		10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	23.97	
			For Stacked Bond, Add	4.34	
			For Grout And Fill With 2 #5 Rebar, Add	15.62	
			For Curved Wall Application, Add	3.34	
			For <10, Small Area Replacements (Individual Areas), Add	25.61	
04 22 23 29-0013	SF		12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	27.98	
			For Stacked Bond, Add	5.32	
			For Grout And Fill With 2 #5 Rebar, Add	17.76	
			For Curved Wall Application, Add	4.09	
			For <10, Small Area Replacements (Individual Areas), Add	31.24	
04 22 23 29-0014			Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015			Split Rib, Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF		4" x 8" x 16", Split Rib, Concrete Block	16.84	
			For Stacked Bond, Add	3.45	
			For Curved Wall Application, Add	2.65	
			For <10, Small Area Replacements (Individual Areas), Add	20.16	
04 22 23 29-0017	SF		6" x 8" x 16", Split Rib, Concrete Block	20.08	
			For Stacked Bond, Add	3.88	
			For Curved Wall Application, Add	2.98	
			For <10, Small Area Replacements (Individual Areas), Add	22.77	
04 22 23 29-0018	SF		8" x 8" x 16", Split Rib, Concrete Block	21.36	
			For Stacked Bond, Add	4.10	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	24.06	
04 22 23 29-0019	SF		10" x 8" x 16", Split Rib, Concrete Block	22.83	
			For Stacked Bond, Add	4.34	
			For Curved Wall Application, Add	3.34	
			For <10, Small Area Replacements (Individual Areas), Add	25.52	
04 22 23 29-0020	SF		12" x 8" x 16", Split Rib, Concrete Block	27.15	
			For Stacked Bond, Add	5.32	
			For Curved Wall Application, Add	4.09	
			For <10, Small Area Replacements (Individual Areas), Add	31.18	
04 22 23 31			Glazed Concrete Masonry Unit (04 22 23)		
04 22 23 31-0001			One Glazed Face, Concrete Blocks (04 22 23 31)		
04 22 23 31-0002			One Glazed Face, Concrete Blocks (04 22 23 31-0001)		
04 22 23 31-0003	SF		4" x 8" x 16", One Glazed Face, Concrete Block	30.03	
			For Stacked Bond, Add	3.34	
			For Curved Wall Application, Add	2.57	
			For <10, Small Area Replacements (Individual Areas), Add	20.56	
04 22 23 31-0004	SF		6" x 8" x 16", One Glazed Face, Concrete Block	32.14	
			For Stacked Bond, Add	3.68	
			For Curved Wall Application, Add	2.83	
			For <10, Small Area Replacements (Individual Areas), Add	22.57	
04 22 23 31-0005	SF		8" x 8" x 16", One Glazed Face, Concrete Block	34.05	
			For Stacked Bond, Add	3.88	
			For Curved Wall Application, Add	2.98	
			For <10, Small Area Replacements (Individual Areas), Add	23.81	



Masonry			04	04
Unit Masonry			04 20	
Concrete Unit Masonry			04 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0006	SF		10" x 8" x 16", One Glazed Face, Concrete Block	36.06	
			For Stacked Bond, Add	4.10	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	25.16	
04 22 23 31-0007	SF		12" x 8" x 16", One Glazed Face, Concrete Block	40.55	
			For Stacked Bond, Add	5.01	
			For Curved Wall Application, Add	3.85	
			For <10, Small Area Replacements (Individual Areas), Add	30.47	
04 22 23 31-0008			Two Glazed Faces, Concrete Blocks (04 22 23 31)		
04 22 23 31-0009			Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010	SF		4" x 8" x 16", Two Glazed Faces, Concrete Block	40.18	
			For Stacked Bond, Add	3.81	
			For Curved Wall Application, Add	2.93	
			For <10, Small Area Replacements (Individual Areas), Add	23.90	
04 22 23 31-0011	SF		6" x 8" x 16", Two Glazed Faces, Concrete Block	42.12	
			For Stacked Bond, Add	4.10	
			For Curved Wall Application, Add	3.15	
			For <10, Small Area Replacements (Individual Areas), Add	25.62	
04 22 23 31-0012	SF		8" x 8" x 16", Two Glazed Faces, Concrete Block	44.90	
			For Stacked Bond, Add	4.52	
			For Curved Wall Application, Add	3.48	
			For <10, Small Area Replacements (Individual Areas), Add	28.16	
04 23 Glass Unit Masonry (04 20)					
04 23 13 Vertical Glass Unit Masonry (04 23)					
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.					
04 23 13 00-0001			Glass Block Unit Masonry (04 23 13)		
04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block	92.47	
			For Solar Reflective (Suntrol) Blocks, Add	20.53	
			For Essex (Horizontal Striated) Blocks, Add	11.73	
			For Sculptured Or Patterned Blocks, Add	20.53	
			For Colored Glass, Add	58.67	
			For Thinline Block, Deduct	-14.67	
			For >1,000 To 5,000, Deduct	-6.30	
			For >5,000, Deduct	-10.91	
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block	66.38	
			For Solar Reflective (Suntrol) Blocks, Add	14.54	
			For Essex (Horizontal Striated) Blocks, Add	8.31	
			For Sculptured Or Patterned Blocks, Add	14.54	
			For Colored Glass, Add	41.53	
			For Thinline Block, Deduct	-10.38	
			For >1,000 To 5,000, Deduct	-4.55	
			For >5,000, Deduct	-7.86	
04 23 13 00-0004	SF		12" x 12" x 4" Plain Glass Block	75.93	
			For Solar Reflective (Suntrol) Blocks, Add	18.57	
			For Essex (Horizontal Striated) Blocks, Add	10.61	
			For Sculptured Or Patterned Blocks, Add	18.57	
			For Colored Glass, Add	53.06	
			For Thinline Block, Deduct	-13.27	
			For >1,000 To 5,000, Deduct	-4.93	
			For >5,000, Deduct	-8.72	
04 23 13 00-0005			Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006	SF		3" x 8" x 3" Solid Glass Block (Vistabrik®)	970.18	
04 23 13 00-0007	SF		4" x 8" x 3" Solid Glass Block (Vistabrik®)	733.06	
04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®)	498.78	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®)	348.76	
04 40 Stone Assemblies (04)					
Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.					
04 41 Dry-Placed Stone (04 40)					
04 41 00 00-0001			Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)		
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	26.87	7.93
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	27.34	7.93
04 42 Exterior Stone Cladding (04 40)					
04 42 43 Stone Panels for Curtain Walls (04 42)					
04 42 43 00-0001			Marble Facing Panels (04 42 43)		
Note: 3' x 1.5'					
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels	59.95	18.00
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels	62.65	18.23

04 Masonry**04 40 Stone Assemblies****04 42 Exterior Stone Cladding**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	70.52	18.58
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	76.52	19.15
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	81.47	20.32
04 42 43 00-0007	CF	Marble Face Panel.....	328.38	66.18
04 42 43 00-0008		Smooth Limestone Panels (04 42 43) Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	61.23	36.11
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	64.88	37.85
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	68.70	39.59
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	79.29	43.54
04 42 43 00-0013		Sandstone Panels (04 42 43)		
04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels.....	69.73	37.85
04 42 43 00-0015	SF	4" Thick Sandstone Panels	76.84	43.54
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes.....	71.08	43.54
04 43 Stone Masonry		(04 40)		
04 43 16 Stone Fabrications		(04 43)		
04 43 16 00-0001		Marble (04 43 16)		
04 43 16 00-0002		Marble Base (04 43 16 00-0001) Note: 1" thick.		
04 43 16 00-0003	LF	4" High Marble Base	107.05	72.32
04 43 16 00-0004	LF	6" High Marble Base	119.72	78.78
04 43 16 00-0005		Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns.....	242.38	66.18
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	368.72	66.18
04 43 16 00-0008		Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring.....	28.05	16.56
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring.....	29.45	16.56
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring.....	34.83	18.91
04 43 16 00-0012		Marble Items (04 43 16 00-0001)		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	65.03	26.05
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	50.05	20.89
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills.....	31.58	15.48
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	55.46	19.01
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks.....	38.48	24.00
04 43 16 00-0018		Limestone (04 43 16)		
04 43 16 00-0019		Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	60.62	26.05
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	91.57	35.79
04 43 16 00-0022		Limestone Coping (04 43 16 00-0018) Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	29.69	9.29
04 43 16 00-0024	SF	3" Thick Limestone Coping	33.07	9.87
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	36.45	10.45
04 43 16 00-0026	SF	4" Thick Limestone Coping	38.67	10.80
04 43 16 00-0027	SF	5" Thick Limestone Coping	44.27	11.04
04 43 16 00-0028	SF	6" Thick Limestone Coping	62.94	11.61
04 43 16 00-0029	CF	>6" Thick Limestone Coping	103.50	23.51
04 43 16 00-0030		Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031	SF	2" Thick Limestone Treads	36.20	8.71
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	38.41	9.29
04 43 16 00-0033	SF	3" Thick Limestone Treads	42.85	9.87
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	46.12	10.45
04 43 16 00-0035	SF	4" Thick Limestone Treads	49.40	10.45
04 43 16 00-0036	SF	5" Thick Limestone Treads	53.61	11.04
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	72.56	11.61
04 43 16 00-0038		Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	186.31	88.19



Masonry			04
Stone Assemblies			04 40
Stone Masonry			04 43

04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 43 16 00-0040			Granite (04 43 16)		
04 43 16 00-0041			Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
Note: Excludes structural support steel.					
04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels.....	121.51	36.35
04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels.....	109.95	36.35
04 43 16 00-0044			Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045	SF		2" Thick Granite Stair Tread	71.33	8.71
04 43 16 00-0046			Slate (04 43 16)		
04 43 16 00-0047			Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048	SF		1" Thick Slate Panels.....	63.03	36.35
04 43 16 00-0049	SF		2" Thick Slate Panels.....	72.50	36.35
04 43 16 00-0050			Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	28.51	15.58
04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	34.53	15.58
04 43 16 00-0053	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	33.68	15.58
04 43 16 00-0054	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	46.60	15.58
04 43 16 00-0055			Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056	SF		2" Thick Slate Stair Tread	42.05	8.71

04 50 Refractory Masonry (04)

04 51 Flue Liner Masonry (04 50)

Note: Includes mortar joints.

04 51 00 00-0001			Rectangular Flue Liners (04 51)		
04 51 00 00-0002	VLF		4" x 8" Clay Flue Liners	20.54	
04 51 00 00-0003	VLF		8" x 8" Clay Flue Liners	28.46	
04 51 00 00-0004	VLF		8" x 12" Clay Flue Liners.....	32.41	
04 51 00 00-0005	VLF		12" x 12" Clay Flue Liners.....	40.37	
04 51 00 00-0006	VLF		12" x 16" Clay Flue Liners.....	49.43	
04 51 00 00-0007	VLF		12" x 18" Clay Flue Liners.....	56.27	
04 51 00 00-0008	VLF		16" x 16" Clay Flue Liners.....	61.32	
04 51 00 00-0009	VLF		16" x 20" Clay Flue Liners.....	75.85	
04 51 00 00-0010	VLF		18" x 18" Clay Flue Liners.....	81.05	
04 51 00 00-0011	VLF		20" x 20" Clay Flue Liners.....	104.60	
04 51 00 00-0012	VLF		20" x 24" Clay Flue Liners.....	113.96	
04 51 00 00-0013	VLF		24" x 24" Clay Flue Liners.....	135.26	
04 51 00 00-0014			Round Flue Liners (04 51)		
04 51 00 00-0015	VLF		6" Diameter Clay Flue Liners	50.52	
04 51 00 00-0016	VLF		8" Diameter Clay Flue Liners	73.86	
04 51 00 00-0017	VLF		10" Diameter Clay Flue Liners	97.34	
04 51 00 00-0018	VLF		12" Diameter Clay Flue Liners	118.68	
04 51 00 00-0019	VLF		15" Diameter Clay Flue Liners	145.73	
04 51 00 00-0020	VLF		18" Diameter Clay Flue Liners	157.54	
04 51 00 00-0021	VLF		21" Diameter Clay Flue Liners	201.10	
04 51 00 00-0022	VLF		24" Diameter Clay Flue Liners	247.02	
04 51 00 00-0023	VLF		27" Diameter Clay Flue Liners	285.09	
04 51 00 00-0024	VLF		30" Diameter Clay Flue Liners	324.30	
04 51 00 00-0025	VLF		33" Diameter Clay Flue Liners	340.00	
04 51 00 00-0026	VLF		36" Diameter Clay Flue Liners	346.64	

04 51 00 00-0027			Standard Chimney Block (04 51)		
Note: Includes refractory mortar. Excludes flue liners.					
04 51 00 00-0028	EA		14" x 14" x 8" Concrete Block Chimney Unit.....	33.52	
04 51 00 00-0029	EA		14" x 18" x 8" Concrete Block Chimney Unit.....	36.83	
04 51 00 00-0030	EA		16" x 16" x 8" Concrete Block Chimney Unit.....	37.06	
04 51 00 00-0031	EA		17" x 17" x 8" Concrete Block Chimney Unit.....	38.91	
04 51 00 00-0032	EA		16" x 20" x 8" Concrete Block Chimney Unit.....	40.99	
04 51 00 00-0033	EA		17" x 21" x 8" Concrete Block Chimney Unit.....	43.22	
04 51 00 00-0034	EA		21" x 21" x 8" Concrete Block Chimney Unit.....	48.87	

04 70 Manufactured Masonry (04)

04	04	Masonry
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001		Precast Concrete Lintels (04 72)			
04 72 00 00-0002		Solid Precast Concrete Lintels (04 72 00 00-0001)			
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	18.43		
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	23.65		
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	29.32		
04 72 00 00-0006		U Shaped Precast Concrete Lintels (04 72 00 00-0001)			
		Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.			
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	19.76		
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	24.05		
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	40.00		
04 72 00 00-0010		Precast Concrete Coping (04 72)			
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.			
04 72 00 00-0011		Precast Concrete Coping (04 72 00 00-0010)			
		Note: Measured at highest point.			
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	54.99	12.74	
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	61.89	13.72	
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	71.42	14.69	
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	76.78	15.68	
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	82.20	16.66	
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	97.63	17.64	
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	111.28	18.62	
04 72 00 00-0019		Precast Concrete Window Sills (04 72)			
		Note: Includes caulk and ties.			
04 72 00 00-0020		Precast Concrete Window Sills (04 72 00 00-0019)			
04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	40.23	9.80	
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	60.10	9.80	
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	70.88	9.80	

END OF SECTION 04



	Metals	05	05
	Maintenance of Metals	05 01	
	Maintenance of Metal Fabrications	05 01 50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals ⁽⁰⁵⁾

05 01 50 Maintenance of Metal Fabrications ^(05 01)

- 05 01 50 51 **Cleaning of Metal Fabrications** ^(05 01 50)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 50 61 **Repair of Metal Fabrications** ^(05 01 50)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 50 63 **Refinishing of Metal Fabrications** ^(05 01 50)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal ^(05 01)

- 05 01 70 51 **Cleaning of Decorative Metal** ^(05 01 70)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 70 61 **Repair of Decorative Metal** ^(05 01 70)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 70 63 **Refinishing of Decorative Metal** ^(05 01 70)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors ^(05 05 19)	
05 05 19 00-0002	Expansion Anchors ^(05 05 19 00-0001)	
	Note: Includes drilling.	
05 05 19 00-0003	Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)	
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)	
	Note: Includes nut and washer.	
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.94
	For >10 To 50, Deduct	-0.57
	For >50 To 100, Deduct	-1.15
	For >100, Deduct	-2.30
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.03
	For >10 To 50, Deduct	-0.57
	For >50 To 100, Deduct	-1.15
	For >100, Deduct	-2.30
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.40
	For >10 To 50, Deduct	-0.58
	For >50 To 100, Deduct	-1.18
	For >100, Deduct	-2.37
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.64
	For >10 To 50, Deduct	-0.69
	For >50 To 100, Deduct	-1.40
	For >100, Deduct	-2.80
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.71
	For >10 To 50, Deduct	-0.69
	For >50 To 100, Deduct	-1.40
	For >100, Deduct	-2.81
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.73
	For >10 To 50, Deduct	-0.69
	For >50 To 100, Deduct	-1.40
	For >100, Deduct	-2.81
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.00
	For >10 To 50, Deduct	-0.69
	For >50 To 100, Deduct	-1.41
	For >100, Deduct	-2.82
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.14
	For >10 To 50, Deduct	-0.98
	For >50 To 100, Deduct	-2.00
	For >100, Deduct	-4.00
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.19
	For >10 To 50, Deduct	-0.98
	For >50 To 100, Deduct	-2.00
	For >100, Deduct	-4.01
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.30
	For >10 To 50, Deduct	-0.98
	For >50 To 100, Deduct	-2.01
	For >100, Deduct	-4.01
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.60
	For >10 To 50, Deduct	-0.98
	For >50 To 100, Deduct	-2.01
	For >100, Deduct	-4.03

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.01	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.02	
			For >100, Deduct	-4.05	
05 05 19 00-0017	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.26	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-5.00	
05 05 19 00-0018	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.35	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-5.00	
05 05 19 00-0019	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.54	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.51	
			For >100, Deduct	-5.01	
05 05 19 00-0020	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.90	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.52	
			For >100, Deduct	-5.03	
05 05 19 00-0021	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.26	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.52	
			For >100, Deduct	-5.05	
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.14	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.60	
			For >100, Deduct	-5.19	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.61	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.66	
			For >100, Deduct	-5.32	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.83	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.98	
			For >100, Deduct	-5.97	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.91	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.99	
			For >100, Deduct	-5.97	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.35	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.00	
			For >100, Deduct	-5.99	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.88	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.01	
			For >100, Deduct	-6.02	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.48	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.03	
			For >100, Deduct	-6.05	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.80	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.08	
			For >100, Deduct	-6.17	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.86	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.16	
			For >100, Deduct	-6.32	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.32	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.25	
			For >100, Deduct	-6.49	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.71	
			For >10 To 50, Deduct	-1.57	
			For >50 To 100, Deduct	-3.42	
			For >100, Deduct	-6.83	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	44.53	
			For >10 To 50, Deduct	-1.57	
			For >50 To 100, Deduct	-3.46	
			For >100, Deduct	-6.92	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.94	
			For >10 To 50, Deduct	-1.57	
			For >50 To 100, Deduct	-3.52	
			For >100, Deduct	-7.04	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	53.20	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.37	
			For >100, Deduct	-8.74	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	56.62	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.45	
			For >100, Deduct	-8.91	



Metals			05	05
Common Work Results for Metals			05 05	
Post-Installed Concrete Anchors			05 05 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	60.02	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.54	
			For >100, Deduct	-9.08	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	69.13	
			For >10 To 50, Deduct	-2.59	
			For >50 To 100, Deduct	-5.62	
			For >100, Deduct	-11.24	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	71.58	
			For >10 To 50, Deduct	-2.59	
			For >50 To 100, Deduct	-5.68	
			For >100, Deduct	-11.36	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003) Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.76	
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.20	
			For >100, Deduct	-2.39	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.32	
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.21	
			For >100, Deduct	-2.42	
05 05 19 00-0043	EA		1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.98	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.25	
			For >100, Deduct	-2.50	
05 05 19 00-0044	EA		3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.87	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.48	
			For >100, Deduct	-2.97	
05 05 19 00-0045	EA		3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.35	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.49	
			For >100, Deduct	-2.99	
05 05 19 00-0046	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.70	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.01	
05 05 19 00-0047	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.32	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.14	
05 05 19 00-0048	EA		1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.14	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.18	
			For >100, Deduct	-4.35	
05 05 19 00-0049	EA		1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.04	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.20	
			For >100, Deduct	-4.40	
05 05 19 00-0050	EA		1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.57	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.21	
			For >100, Deduct	-4.42	
05 05 19 00-0051	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.96	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.27	
			For >100, Deduct	-4.54	
05 05 19 00-0052	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.55	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.36	
			For >100, Deduct	-4.72	
05 05 19 00-0053	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.47	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.85	
			For >100, Deduct	-5.71	
05 05 19 00-0054	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.80	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.91	
			For >100, Deduct	-5.83	
05 05 19 00-0055	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.33	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.98	
			For >100, Deduct	-5.95	
05 05 19 00-0056	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	49.69	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-3.06	
			For >100, Deduct	-6.12	
05 05 19 00-0057	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	64.45	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-3.43	
			For >100, Deduct	-6.86	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	49.52	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.40	
		For >100, Deduct	-6.80	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.27	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.52	
		For >100, Deduct	-7.04	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.33	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.62	
		For >100, Deduct	-7.24	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.83	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.63	
		For >100, Deduct	-7.27	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	62.63	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.73	
		For >100, Deduct	-7.46	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.53	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-3.98	
		For >100, Deduct	-7.95	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	86.47	
		For >10 To 50, Deduct	-1.44	
		For >50 To 100, Deduct	-4.33	
		For >100, Deduct	-8.65	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	86.34	
		For >10 To 50, Deduct	-1.57	
		For >50 To 100, Deduct	-4.51	
		For >100, Deduct	-9.01	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	126.83	
		For >10 To 50, Deduct	-2.03	
		For >50 To 100, Deduct	-6.21	
		For >100, Deduct	-12.42	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	147.45	
		For >10 To 50, Deduct	-2.03	
		For >50 To 100, Deduct	-6.72	
		For >100, Deduct	-13.45	
05 05 19 00-0068		316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0063) Note: Includes nut and washer.		
05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.25	
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.21	
		For >100, Deduct	-2.42	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.19	
		For >10 To 50, Deduct	-0.58	
		For >50 To 100, Deduct	-1.25	
		For >100, Deduct	-2.51	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.43	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.52	
		For >100, Deduct	-3.04	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.26	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.54	
		For >100, Deduct	-3.08	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.47	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.10	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.43	
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.65	
		For >100, Deduct	-3.29	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.92	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.54	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.22	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.33	
		For >100, Deduct	-4.66	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.39	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.43	
		For >100, Deduct	-4.87	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.43	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.46	
		For >100, Deduct	-4.92	



Metals			05	05
Common Work Results for Metals			05 05	
Post-Installed Concrete Anchors			05 05 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.25	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-3.17	
			For >100, Deduct	-6.35	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	55.50	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-3.21	
			For >100, Deduct	-6.41	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.40	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.85	
			For >100, Deduct	-7.70	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.62	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.98	
			For >100, Deduct	-7.96	
05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)					
Note: Includes nut and washer.					
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	25.60	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.11	
			For >100, Deduct	-4.23	
05 05 19 00-0085	EA		1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	27.17	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.15	
			For >100, Deduct	-4.30	
05 05 19 00-0086	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.74	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.19	
			For >100, Deduct	-4.38	
05 05 19 00-0087	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.52	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.21	
			For >100, Deduct	-4.42	
05 05 19 00-0088	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	35.54	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.71	
			For >100, Deduct	-5.41	
05 05 19 00-0089	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.65	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.66	
			For >100, Deduct	-5.32	
05 05 19 00-0090	EA		3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	46.42	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.32	
			For >100, Deduct	-6.65	
05 05 19 00-0091	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	48.15	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.37	
			For >100, Deduct	-6.73	
05 05 19 00-0092	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	56.65	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.58	
			For >100, Deduct	-7.16	
05 05 19 00-0093	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	58.60	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.50	
			For >100, Deduct	-9.01	
05 05 19 00-0094	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	63.48	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.63	
			For >100, Deduct	-9.25	
05 05 19 00-0095	EA		1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	68.32	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.75	
			For >100, Deduct	-9.49	
05 05 19 00-0096 Concrete Sleeve Anchors (05 05 19 00-0002)					
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors (05 05 19 00-0096)					
Note: Includes nut and washer.					
05 05 19 00-0098	EA		1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.03	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 19 00-0099	EA		1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.16	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.35	
05 05 19 00-0100	EA		1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.32	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.18	
			For >100, Deduct	-2.36	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.67	
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.23	
			For >100, Deduct	-2.46	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.79	
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.23	
			For >100, Deduct	-2.47	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.36	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.39	
			For >100, Deduct	-2.79	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.58	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.80	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.79	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.81	
05 05 19 00-0106	EA		1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.64	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.97	
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.91	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.99	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.15	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.00	
			For >100, Deduct	-4.00	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.44	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.01	
			For >100, Deduct	-4.01	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.82	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.46	
			For >100, Deduct	-4.93	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.24	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.47	
			For >100, Deduct	-4.95	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.56	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.48	
			For >100, Deduct	-4.96	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.46	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-5.01	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.49	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.95	
			For >100, Deduct	-5.90	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.27	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.94	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.97	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.99	
			For >100, Deduct	-5.97	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	34.10	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.02	
			For >100, Deduct	-6.03	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.59	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.23	
			For >100, Deduct	-2.47	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	19.40	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.52	
			For >100, Deduct	-3.04	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.62	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.58	
			For >100, Deduct	-3.15	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Post-Installed Concrete Anchors	05 05 19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	29.11	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.20	
			For >100, Deduct	-4.40	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	33.11	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.30	
			For >100, Deduct	-4.60	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	45.95	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.93	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	12.67	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.37	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	12.89	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.38	
05 05 19 00-0128	EA		5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	13.46	
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.25	
			For >100, Deduct	-2.50	
05 05 19 00-0129	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.37	
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.27	
			For >100, Deduct	-2.55	
05 05 19 00-0130	EA		3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.35	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.42	
			For >100, Deduct	-2.84	
05 05 19 00-0131	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	16.04	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.44	
			For >100, Deduct	-2.87	
05 05 19 00-0132	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	16.57	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.45	
			For >100, Deduct	-2.90	
05 05 19 00-0133	EA		1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	22.33	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.03	
			For >100, Deduct	-4.06	
05 05 19 00-0134	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	22.74	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.04	
			For >100, Deduct	-4.08	
05 05 19 00-0135	EA		1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	23.94	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.07	
			For >100, Deduct	-4.14	
05 05 19 00-0136	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	25.50	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.11	
			For >100, Deduct	-4.22	
05 05 19 00-0137	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	29.42	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.55	
			For >100, Deduct	-5.11	
05 05 19 00-0138	EA		5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	30.85	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.59	
			For >100, Deduct	-5.18	
05 05 19 00-0139	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	32.12	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.62	
			For >100, Deduct	-5.24	
05 05 19 00-0140	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	37.47	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.10	
			For >100, Deduct	-6.20	
05 05 19 00-0141	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.81	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.13	
			For >100, Deduct	-6.27	
05 05 19 00-0142			Multi-Set Drop-In Anchors (05 05 19 00-0002)		
05 05 19 00-0143			Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
			Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0144	EA		1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	16.72	
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-1.63	
			For >100, Deduct	-3.26	
05 05 19 00-0145	EA		3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	20.44	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.98	
05 05 19 00-0146	EA		1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	24.82	
			For >10 To 50, Deduct	-1.16	
			For >50 To 100, Deduct	-2.36	
			For >100, Deduct	-4.72	
05 05 19 00-0147	EA		5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	28.02	
			For >10 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-2.61	
			For >100, Deduct	-5.23	
05 05 19 00-0148	EA		3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	33.35	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.01	
			For >100, Deduct	-6.02	
05 05 19 00-0149			304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	21.77	
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-1.76	
			For >100, Deduct	-3.51	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	29.75	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.22	
			For >100, Deduct	-4.44	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	37.51	
			For >10 To 50, Deduct	-1.16	
			For >50 To 100, Deduct	-2.68	
			For >100, Deduct	-5.36	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	48.42	
			For >10 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-3.12	
			For >100, Deduct	-6.25	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	68.41	
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.89	
			For >100, Deduct	-7.77	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.22	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.18	
			For >100, Deduct	-2.35	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	13.03	
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.24	
			For >100, Deduct	-2.48	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.75	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.81	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	21.44	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.01	
			For >100, Deduct	-4.01	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	29.25	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.55	
			For >100, Deduct	-5.10	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	35.22	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.04	
			For >100, Deduct	-6.09	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	12.66	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.37	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	15.07	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.41	
			For >100, Deduct	-2.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.92	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.43	
			For >100, Deduct	-2.87	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.39	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.03	
			For >100, Deduct	-4.06	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	28.39	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.05	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	32.12	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.93	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA		1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	15.31	
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-1.34	
			For >100, Deduct	-2.68	
05 05 19 00-0172	EA		5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	17.63	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-1.49	
			For >100, Deduct	-2.97	
05 05 19 00-0173	EA		3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	21.90	
			For >10 To 50, Deduct	-0.87	
			For >50 To 100, Deduct	-1.85	
			For >100, Deduct	-3.71	
05 05 19 00-0174	EA		1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	25.54	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.11	
			For >100, Deduct	-4.22	
05 05 19 00-0175	EA		1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	26.89	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.14	
			For >100, Deduct	-4.29	
05 05 19 00-0176	EA		5/8" x 7" Long Chemically Adhered Anchor Rod.....	33.27	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.65	
			For >100, Deduct	-5.30	
05 05 19 00-0177	EA		3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	42.84	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.23	
			For >100, Deduct	-6.47	
05 05 19 00-0178	EA		7/8" x 10" Long Chemically Adhered Anchor Rod.....	50.36	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-3.60	
			For >100, Deduct	-7.20	
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod	68.52	
			For >10 To 50, Deduct	-2.03	
			For >50 To 100, Deduct	-4.75	
			For >100, Deduct	-9.50	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod	97.33	
			For >10 To 50, Deduct	-2.55	
			For >50 To 100, Deduct	-6.26	
			For >100, Deduct	-12.53	
05 05 19 00-0181			Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		1/4" Chemical Adhesive For Bolt Or Threaded Rod	13.08	
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.57	
05 05 19 00-0183	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.32	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.81	
05 05 19 00-0184	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	16.77	
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-1.64	
			For >100, Deduct	-3.28	
05 05 19 00-0185	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	20.35	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-1.98	
			For >100, Deduct	-3.96	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0186	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	22.80	
			For >10 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.15	
			For >100, Deduct	-4.29	
05 05 19 00-0187	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	28.91	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-2.66	
			For >100, Deduct	-5.31	
05 05 19 00-0188	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	31.81	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-2.87	
			For >100, Deduct	-5.73	
05 05 19 00-0189	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	39.60	
			For >10 To 50, Deduct	-1.67	
			For >50 To 100, Deduct	-3.49	
			For >100, Deduct	-6.98	
05 05 19 00-0190	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	43.83	
			For >10 To 50, Deduct	-1.80	
			For >50 To 100, Deduct	-3.80	
			For >100, Deduct	-7.61	
05 05 19 00-0191	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.91	
			For >10 To 50, Deduct	-2.04	
			For >50 To 100, Deduct	-4.34	
			For >100, Deduct	-8.67	
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	57.14	
			For >10 To 50, Deduct	-2.23	
			For >50 To 100, Deduct	-4.77	
			For >100, Deduct	-9.54	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	65.28	
			For >10 To 50, Deduct	-2.43	
			For >50 To 100, Deduct	-5.27	
			For >100, Deduct	-10.54	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	82.12	
			For >10 To 50, Deduct	-2.85	
			For >50 To 100, Deduct	-6.33	
			For >100, Deduct	-12.65	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	119.11	
			For >10 To 50, Deduct	-3.44	
			For >50 To 100, Deduct	-8.14	
			For >100, Deduct	-16.28	
05 05 19 00-0196			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0189)		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt Or Threaded Rod.....	5.09	
			For >10 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.50	
			For >100, Deduct	-1.00	
05 05 19 00-0198			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199			Tapcon Masonry Screws (05 05 19 00-0198)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	11.85	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.33	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	11.92	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 19 00-0202	EA		3/16" x 3-1/4" Tapcon Masonry Screw.....	12.06	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 19 00-0203	EA		1/4" x 1-1/4" Tapcon Masonry Screw.....	11.93	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 19 00-0204	EA		1/4" x 2-1/4" Tapcon Masonry Screw.....	12.01	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.34	
05 05 19 00-0205	EA		1/4" x 3-1/4" Tapcon Masonry Screw.....	12.18	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.17	
			For >100, Deduct	-2.35	
05 05 19 00-0206			Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA		3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	13.76	
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.21	
			For >100, Deduct	-2.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	14.54		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.23		
		For >100, Deduct	-2.47		
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.75		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.24		
		For >100, Deduct	-2.48		
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	15.13		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.25		
		For >100, Deduct	-2.50		
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	15.45		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.26		
		For >100, Deduct	-2.51		
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.13		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.27		
		For >100, Deduct	-2.55		
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.96		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.29		
		For >100, Deduct	-2.59		
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.73		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.31		
		For >100, Deduct	-2.63		
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	19.88		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.37		
		For >100, Deduct	-2.73		
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	20.14		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.37		
		For >100, Deduct	-2.75		
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	21.45		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.41		
		For >100, Deduct	-2.81		
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	22.80		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.44		
		For >100, Deduct	-2.88		
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	23.67		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.46		
		For >100, Deduct	-2.92		
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	23.28		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.45		
		For >100, Deduct	-2.90		
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	24.53		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.48		
		For >100, Deduct	-2.97		
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	27.45		
		For >10 To 50, Deduct	-0.58		
		For >50 To 100, Deduct	-1.56		
		For >100, Deduct	-3.11		
05 05 19 00-0223		Pin Bolt Drives (05 05 19 00-0198)			
		Note: Includes drilling. Zinc plated.			
05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive.....	7.34		
		For >10 To 50, Deduct	-0.35		
		For >50 To 100, Deduct	-0.71		
		For >100, Deduct	-1.41		
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive.....	7.34		
		For >10 To 50, Deduct	-0.35		
		For >50 To 100, Deduct	-0.71		
		For >100, Deduct	-1.41		
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive.....	7.40		
		For >10 To 50, Deduct	-0.35		
		For >50 To 100, Deduct	-0.71		
		For >100, Deduct	-1.41		
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive.....	7.41		
		For >10 To 50, Deduct	-0.35		
		For >50 To 100, Deduct	-0.71		
		For >100, Deduct	-1.41		

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.80	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.16	
		For >100, Deduct	-0.32	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	1.90	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.17	
		For >100, Deduct	-0.34	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.06	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.18	
		For >100, Deduct	-0.36	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.27	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.20	
		For >100, Deduct	-0.39	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.37	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.20	
		For >100, Deduct	-0.40	
05 05 19 00-0234		Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.10	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.17	
		For >100, Deduct	-0.35	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	2.80	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.22	
		For >100, Deduct	-0.44	
05 05 19 00-0237		TITEN HD Screw Anchor (05 05 19)		
05 05 19 00-0238	EA	1/2" x 6" TITEN HD Screw Anchor With Stainless Steel Washer	40.43	
		Note: Includes drilling 1/2" diameter holes to proper depth in the edge of the concrete, removal of dust from hole, and installing self-threading screw.		
05 05 21 Fastening Methods for Metal		(05 05)		
05 05 21 00-0001		Welding (05 05 21)		
05 05 21 00-0002		Minimum Charge For Welding (05 05 21 00-0001)		
05 05 21 00-0003	EA	Minimum Charge For Welding	527.12	
		Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004		Spot Welding (05 05 21 00-0001)		
05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.89	
		For Aluminum Welding, Add	2.07	
		For Stainless Steel Welding, Add	3.39	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	10.07	
		For Aluminum Welding, Add	1.64	
		For Stainless Steel Welding, Add	2.68	
05 05 21 00-0007		Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)		
05 05 21 00-0008		Vertical Fillet Welds (05 05 21 00-0007)		
		Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	8.61	
		For Aluminum Welding, Add	1.95	
		For Stainless Steel Welding, Add	2.98	
		For Up To 25, Add	2.74	
		For >25 To 50, Add	1.93	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	16.38	
		For Aluminum Welding, Add	3.27	
		For Stainless Steel Welding, Add	5.12	
		For Up To 25, Add	5.39	
		For >25 To 50, Add	3.82	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	24.61	
		For Aluminum Welding, Add	4.94	
		For Stainless Steel Welding, Add	7.71	
		For Up To 25, Add	8.09	
		For >25 To 50, Add	5.74	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	32.48	
		For Aluminum Welding, Add	6.55	
		For Stainless Steel Welding, Add	10.22	
		For Up To 25, Add	10.67	
		For >25 To 50, Add	7.56	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Fastening Methods for Metal	05 05 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0013	LF	3/8"	Vertical Fillet Weld.....	41.00	
			For Aluminum Welding, Add	8.22	
			For Stainless Steel Welding, Add	12.84	
			For Up To 25, Add	13.49	
			For >25 To 50, Add	9.56	
05 05 21 00-0014	LF	7/16"	Vertical Fillet Weld.....	47.20	
			For Aluminum Welding, Add	8.72	
			For Stainless Steel Welding, Add	13.85	
			For Up To 25, Add	15.84	
			For >25 To 50, Add	11.25	
05 05 21 00-0015	LF	1/2"	Vertical Fillet Weld.....	56.09	
			For Aluminum Welding, Add	11.30	
			For Stainless Steel Welding, Add	17.63	
			For Up To 25, Add	18.43	
			For >25 To 50, Add	13.06	
05 05 21 00-0016	LF	9/16"	Vertical Fillet Weld.....	65.09	
			For Aluminum Welding, Add	12.35	
			For Stainless Steel Welding, Add	19.51	
			For Up To 25, Add	21.70	
			For >25 To 50, Add	15.41	
05 05 21 00-0017	LF	5/8"	Vertical Fillet Weld.....	75.51	
			For Aluminum Welding, Add	14.39	
			For Stainless Steel Welding, Add	22.70	
			For Up To 25, Add	25.15	
			For >25 To 50, Add	17.86	
05 05 21 00-0018	LF	3/4"	Vertical Fillet Weld.....	102.64	
			For Aluminum Welding, Add	20.65	
			For Stainless Steel Welding, Add	32.23	
			For Up To 25, Add	33.73	
			For >25 To 50, Add	23.91	
05 05 21 00-0019	LF	7/8"	Vertical Fillet Weld.....	150.58	
			For Aluminum Welding, Add	28.45	
			For Stainless Steel Welding, Add	44.97	
			For Up To 25, Add	50.26	
			For >25 To 50, Add	35.69	
05 05 21 00-0020	LF	1"	Vertical Fillet Weld.....	204.13	
			For Aluminum Welding, Add	40.45	
			For Stainless Steel Welding, Add	63.32	
			For Up To 25, Add	67.35	
			For >25 To 50, Add	47.76	
05 05 21 00-0021			Horizontal Or Flat Fillet Welds (05 05 21 00-0007)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022	LF	1/8"	Horizontal Or Flat Fillet Weld.....	7.32	
			For Aluminum Welding, Add	1.76	
			For Stainless Steel Welding, Add	2.66	
			For Up To 25, Add	2.29	
			For >25 To 50, Add	1.61	
05 05 21 00-0023	LF	3/16"	Horizontal Or Flat Fillet Weld.....	14.00	
			For Aluminum Welding, Add	2.96	
			For Stainless Steel Welding, Add	4.58	
			For Up To 25, Add	4.54	
			For >25 To 50, Add	3.21	
05 05 21 00-0024	LF	1/4"	Horizontal Or Flat Fillet Weld.....	20.94	
			For Aluminum Welding, Add	4.44	
			For Stainless Steel Welding, Add	6.86	
			For Up To 25, Add	6.79	
			For >25 To 50, Add	4.80	
05 05 21 00-0025	LF	5/16"	Horizontal Or Flat Fillet Weld.....	27.70	
			For Aluminum Welding, Add	5.92	
			For Stainless Steel Welding, Add	9.13	
			For Up To 25, Add	8.96	
			For >25 To 50, Add	6.34	
05 05 21 00-0026	LF	3/8"	Horizontal Or Flat Fillet Weld.....	34.92	
			For Aluminum Welding, Add	7.39	
			For Stainless Steel Welding, Add	11.42	
			For Up To 25, Add	11.32	
			For >25 To 50, Add	8.01	
05 05 21 00-0027	LF	7/16"	Horizontal Or Flat Fillet Weld.....	39.95	
			For Aluminum Welding, Add	7.71	
			For Stainless Steel Welding, Add	12.14	
			For Up To 25, Add	13.27	
			For >25 To 50, Add	9.41	
05 05 21 00-0028	LF	1/2"	Horizontal Or Flat Fillet Weld.....	47.74	
			For Aluminum Welding, Add	10.18	
			For Stainless Steel Welding, Add	15.71	
			For Up To 25, Add	15.45	
			For >25 To 50, Add	10.93	
05 05 21 00-0029	LF	9/16"	Horizontal Or Flat Fillet Weld.....	55.29	
			For Aluminum Welding, Add	11.05	
			For Stainless Steel Welding, Add	17.27	
			For Up To 25, Add	18.20	
			For >25 To 50, Add	12.90	

05 Metals**05 05 Common Work Results for Metals****05 05 21 Fastening Methods for Metal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld.....	64.63	
			For Aluminum Welding, Add	13.27	
			For Stainless Steel Welding, Add	20.63	
			For Up To 25, Add	21.13	
			For >25 To 50, Add	14.97	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld.....	87.46	
			For Aluminum Welding, Add	18.63	
			For Stainless Steel Welding, Add	28.76	
			For Up To 25, Add	28.31	
			For >25 To 50, Add	20.03	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	126.46	
			For Aluminum Welding, Add	24.44	
			For Stainless Steel Welding, Add	38.46	
			For Up To 25, Add	41.98	
			For >25 To 50, Add	29.79	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	173.23	
			For Aluminum Welding, Add	36.29	
			For Stainless Steel Welding, Add	56.19	
			For Up To 25, Add	56.34	
			For >25 To 50, Add	39.87	

05 05 23 Metal Fastenings (05 05)**05 05 23 00-0001 Hex Bolts** (05 05 23)

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0279 for drilling into concrete, 02 41 19 13-0294 for drilling into brick or block, 02 41 19 13-0309 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)

05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.96	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.27	
			For >100, Deduct	-2.55	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	16.67	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.32	
			For >100, Deduct	-2.63	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	16.72	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.32	
			For >100, Deduct	-2.64	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	19.99	1.64
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.53	
			For >100, Deduct	-3.05	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	19.59	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.39	
			For >100, Deduct	-2.78	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	23.56	1.64
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-3.23	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	30.21	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.83	
			For >100, Deduct	-3.66	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	32.49	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.94	
			For >100, Deduct	-3.88	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	23.64	1.56
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.13	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	28.70	1.72
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.79	
			For >100, Deduct	-3.58	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	34.02	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.98	
			For >100, Deduct	-3.96	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	49.33	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.42	
			For >100, Deduct	-4.84	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	57.85	2.15
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-2.79	
			For >100, Deduct	-5.57	



		Metals	05
		Common Work Results for Metals	05 05
		Metal Fastenings	05 05 23

05

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
05 05 23 00-0017	EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	65.24		2.30	
		-0.96			
		-3.07			
		-6.13			
05 05 23 00-0018	Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0019	EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	15.80		1.44	
		-0.60			
		-1.30			
		-2.59			
05 05 23 00-0020	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.23		1.44	
		-0.60			
		-1.33			
		-2.66			
05 05 23 00-0021	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	18.79		1.44	
		-0.60			
		-1.37			
		-2.74			
05 05 23 00-0022	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	22.06		1.64	
		-0.69			
		-1.58			
		-3.16			
05 05 23 00-0023	EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.94		1.44	
		-0.60			
		-1.45			
		-2.90			
05 05 23 00-0024	EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.91		1.64	
		-0.68			
		-1.72			
		-3.45			
05 05 23 00-0025	EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	37.70		1.72	
		-0.72			
		-2.02			
		-4.03			
05 05 23 00-0026	EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	44.61		1.80	
		-0.75			
		-2.24			
		-4.49			
05 05 23 00-0027	EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	29.80		1.56	
		-0.65			
		-1.72			
		-3.44			
05 05 23 00-0028	EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	35.64		1.72	
		-0.71			
		-1.96			
		-3.93			
05 05 23 00-0029	EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	42.97		1.80	
		-0.75			
		-2.20			
		-4.41			
05 05 23 00-0030	EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	65.56		1.89	
		-0.79			
		-2.83			
		-5.65			
05 05 23 00-0031	EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	65.11		2.15	
		-0.89			
		-2.97			
		-5.94			
05 05 23 00-0032	EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	82.06		2.30	
		-0.96			
		-3.49			
		-6.98			
05 05 23 00-0033	A325 High Strength Structural Bolts (05 05 23 00-0001)				
05 05 23 00-0034	Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033) Note: Includes A325 heavy hex nut and structural washer.				
05 05 23 00-0035	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.57		1.44	
		-0.60			
		-1.26			
		-2.53			
05 05 23 00-0036	EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.94		1.44	
		-0.60			
		-1.27			
		-2.55			
05 05 23 00-0037	EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	16.15		1.44	
		-0.60			
		-1.30			
		-2.61			
05 05 23 00-0038	EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.02		1.64	
		-0.69			
		-1.53			
		-3.06			

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0039	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.52	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.66	
			For >100, Deduct	-3.32	
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.83	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.35	
			For >100, Deduct	-2.69	
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	21.82	1.64
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.57	
			For >100, Deduct	-3.14	
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	25.10	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.70	
			For >100, Deduct	-3.40	
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	31.42	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.92	
			For >100, Deduct	-3.83	
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	20.88	1.56
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.00	
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	25.76	1.72
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.72	
			For >100, Deduct	-3.43	
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	29.68	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.87	
			For >100, Deduct	-3.74	
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	32.26	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.99	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	23.26	1.62
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.60	
			For >100, Deduct	-3.19	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	28.25	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.84	
			For >100, Deduct	-3.67	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	33.07	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.01	
			For >100, Deduct	-4.03	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	43.08	2.02
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-2.34	
			For >100, Deduct	-4.68	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	40.97	2.02
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-2.29	
			For >100, Deduct	-4.58	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	46.69	2.15
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-2.51	
			For >100, Deduct	-5.02	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	55.20	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.82	
			For >100, Deduct	-5.63	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	65.24	2.46
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-3.16	
			For >100, Deduct	-6.33	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	15.32	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.57	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	15.59	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.29	
			For >100, Deduct	-2.58	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	17.74	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.34	
			For >100, Deduct	-2.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.16 -0.69 -1.56 -3.11	1.64
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	22.44 -0.72 -1.64 -3.27	1.72
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	18.56 -0.60 -1.36 -2.73	1.44
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	22.74 -0.68 -1.60 -3.19	1.64
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.54 -0.72 -1.74 -3.48	1.72
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	34.82 -0.75 -2.00 -4.00	1.80
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	25.28 -0.65 -1.61 -3.22	1.56
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	28.36 -0.71 -1.78 -3.56	1.72
05 05 23 00-0068	EA		7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	32.83 -0.75 -1.95 -3.90	1.80
05 05 23 00-0069	EA		7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	41.71 -0.79 -2.23 -4.46	1.89
05 05 23 00-0070	EA		1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.68 -0.68 -1.68 -3.36	1.62
05 05 23 00-0071	EA		1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	36.09 -0.75 -2.03 -4.06	1.80
05 05 23 00-0072	EA		1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	39.63 -0.79 -2.18 -4.35	1.89
05 05 23 00-0073	EA		1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	51.17 -0.84 -2.54 -5.09	2.02
05 05 23 00-0074	EA		1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	50.84 -0.84 -2.53 -5.07	2.02
05 05 23 00-0075	EA		1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	54.23 -0.89 -2.70 -5.39	2.15
05 05 23 00-0076	EA		1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	63.84 -0.96 -3.03 -6.06	2.30
05 05 23 00-0077	EA		1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	74.26 -1.02 -3.39 -6.78	2.46
05 05 23 00-0078	A490 High Strength Structural Bolts (05 05 23 00-0001) Note: Includes A490 heavy hex nut and two structural washers.				
05 05 23 00-0079	Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)				
05 05 23 00-0080	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	16.75 -0.60 -1.32 -2.64	1.44
05 05 23 00-0081	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	24.12 -0.69 -1.63 -3.26	1.64

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0082	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	25.88	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.72	
			For >100, Deduct	-3.44	
05 05 23 00-0083	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	19.07	1.44
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.38	
			For >100, Deduct	-2.75	
05 05 23 00-0084	EA		3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	23.23	1.64
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.61	
			For >100, Deduct	-3.22	
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	27.38	1.72
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.76	
			For >100, Deduct	-3.52	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	35.85	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-2.03	
			For >100, Deduct	-4.05	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	22.31	1.56
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.53	
			For >100, Deduct	-3.07	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	26.22	1.72
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.73	
			For >100, Deduct	-3.45	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	38.93	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-2.10	
			For >100, Deduct	-4.21	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	26.61	1.62
			For >10 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-1.68	
			For >100, Deduct	-3.36	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	32.01	1.80
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.93	
			For >100, Deduct	-3.86	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	37.10	1.89
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.11	
			For >100, Deduct	-4.23	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	46.94	2.02
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-2.44	
			For >100, Deduct	-4.87	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	60.94	2.15
			For >10 To 50, Deduct	-0.89	
			For >50 To 100, Deduct	-2.86	
			For >100, Deduct	-5.73	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	64.08	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-3.04	
			For >100, Deduct	-6.08	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	66.76	2.46
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-3.20	
			For >100, Deduct	-6.40	
05 05 23 00-0097			Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.41	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.56	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.83	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.87	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.01	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.50	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.05	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0113	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0114	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.36	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0115	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0116			5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0117	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.47	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0118	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0119	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.58	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0120	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0121	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0122	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.08	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0123	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0124	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.71	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0130	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.59	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0131	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.96	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0132	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.29	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0133			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.56	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.12	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.31	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.50	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.41	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.63	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
			23 00-0098)		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.23	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.66	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0155	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0156	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.08	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0157	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0158	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0159	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0160	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0161	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.02	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0162	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.37	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0163	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0164	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0165	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.67	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0166			1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
			23 00-0098)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0167	EA	1/2"	Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0168	EA	1/2"	Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0169	EA	1/2"	Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0170	EA	1/2"	Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.72	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0171	EA	1/2"	Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0172	EA	1/2"	Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0173	EA	1/2"	Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.56	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0174	EA	1/2"	Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0175	EA	1/2"	Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0176	EA	1/2"	Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0177	EA	1/2"	Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0178	EA	1/2"	Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.82	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0179	EA	1/2"	Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.32	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0180	EA	1/2"	Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0181	EA	1/2"	Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.09	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0182	EA	1/2"	Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.58	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0183	EA	1/2"	Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0184	EA	1/2"	Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.58	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0185	EA	1/2"	Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.80	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0187	EA	9/16"	Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38		
		For >100 To 250, Deduct	-1.66		
		For >250 To 500, Deduct	-2.07		
		For >500, Deduct	-2.48		
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.44		
		For >100 To 250, Deduct	-1.66		
		For >250 To 500, Deduct	-2.07		
		For >500, Deduct	-2.48		
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.49		
		For >100 To 250, Deduct	-1.70		
		For >250 To 500, Deduct	-2.12		
		For >500, Deduct	-2.55		
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82		
		For >100 To 250, Deduct	-1.70		
		For >250 To 500, Deduct	-2.12		
		For >500, Deduct	-2.55		
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93		
		For >100 To 250, Deduct	-1.70		
		For >250 To 500, Deduct	-2.12		
		For >500, Deduct	-2.55		
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17		
		For >100 To 250, Deduct	-1.74		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.61		
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25		
		For >100 To 250, Deduct	-1.74		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.61		
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.53		
		For >100 To 250, Deduct	-1.74		
		For >250 To 500, Deduct	-2.17		
		For >500, Deduct	-2.61		
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.82		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15		
		For >100 To 250, Deduct	-1.78		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-2.67		
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61		
		For >100 To 250, Deduct	-1.82		
		For >250 To 500, Deduct	-2.28		
		For >500, Deduct	-2.73		
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.91		
		For >100 To 250, Deduct	-1.82		
		For >250 To 500, Deduct	-2.28		
		For >500, Deduct	-2.73		
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.21		
		For >100 To 250, Deduct	-1.82		
		For >250 To 500, Deduct	-2.28		
		For >500, Deduct	-2.73		
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.69		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.27		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.63		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)			
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.33		
		For >500, Deduct	-2.80		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0209	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0210	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.62	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0211	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0212	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0213	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.08	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0214	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.71	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0215	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.19	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0216	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.61	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0217	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.67	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.50	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.17	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.83	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.60	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.65	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.40	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.17	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.77	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.94	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0230	EA	3/4"	Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.55	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0231	EA	3/4"	Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.03	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0232	EA	3/4"	Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.46	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0233	EA	3/4"	Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.13	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0234	EA	3/4"	Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.73	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0235	EA	3/4"	Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.20	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0236	EA	3/4"	Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.38	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0237	EA	3/4"	Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.78	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0238	EA	3/4"	Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.51	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0239	EA	3/4"	Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.76	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0240	EA	3/4"	Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.49	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0241	EA	3/4"	Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.29	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0242	EA	3/4"	Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0243	EA	3/4"	Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.36	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0244	EA	3/4"	Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.42	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0245	EA	3/4"	Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.46	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0246			7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0247	EA	7/8"	Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.12	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0248	EA	7/8"	Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.40	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0249	EA	7/8"	Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.55	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0250	EA	7/8"	Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.93		
		For >100 To 250, Deduct	-2.11		
		For >250 To 500, Deduct	-2.64		
		For >500, Deduct	-3.17		
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.85		
		For >100 To 250, Deduct	-2.11		
		For >250 To 500, Deduct	-2.64		
		For >500, Deduct	-3.17		
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.83		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.23		
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.16		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.23		
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.90		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.23		
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.69		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.29		
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.13		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.29		
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.18		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.29		
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.44		
		For >100 To 250, Deduct	-2.24		
		For >250 To 500, Deduct	-2.80		
		For >500, Deduct	-3.35		
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.51		
		For >100 To 250, Deduct	-2.24		
		For >250 To 500, Deduct	-2.80		
		For >500, Deduct	-3.35		
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.56		
		For >100 To 250, Deduct	-2.24		
		For >250 To 500, Deduct	-2.80		
		For >500, Deduct	-3.35		
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.76		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.42		
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.87		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.42		
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.90		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.42		
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.00		
		For >100 To 250, Deduct	-2.28		
		For >250 To 500, Deduct	-2.85		
		For >500, Deduct	-3.42		
05 05 23 00-0266	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098).....	15.41		
		For >100 To 250, Deduct	-2.07		
		For >250 To 500, Deduct	-2.59		
		For >500, Deduct	-3.11		
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.34		
		For >100 To 250, Deduct	-2.07		
		For >250 To 500, Deduct	-2.59		
		For >500, Deduct	-3.11		
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.76		
		For >100 To 250, Deduct	-2.11		
		For >250 To 500, Deduct	-2.64		
		For >500, Deduct	-3.17		
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.29		
		For >100 To 250, Deduct	-2.11		
		For >250 To 500, Deduct	-2.64		
		For >500, Deduct	-3.17		
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.67		
		For >100 To 250, Deduct	-2.11		
		For >250 To 500, Deduct	-2.64		
		For >500, Deduct	-3.17		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0272	EA	1"	Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.31	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0273	EA	1"	Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.65	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0274	EA	1"	Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.03	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0275	EA	1"	Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.93	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0276	EA	1"	Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.59	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0277	EA	1"	Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.75	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0278	EA	1"	Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.12	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0279	EA	1"	Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.26	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0280	EA	1"	Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.46	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0281	EA	1"	Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.63	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0282	EA	1"	Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.98	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0283	EA	1"	Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.17	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0284	EA	1"	Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.38	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0285			Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0286			1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0287	EA	1/4"	Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.45	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0288	EA	1/4"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.51	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0289	EA	1/4"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.56	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0290	EA	1/4"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.66	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0291	EA	1/4"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.98	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0292	EA	1/4"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.16	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0293	EA	1/4"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.35	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0294	EA	1/4"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.71	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0295	EA	1/4"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.95	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0296	EA	1/4"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.12	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0297	EA	1/4"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0298	EA	1/4"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.66	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0299	EA	1/4"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.82	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0300	EA	1/4"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.23	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0301	EA	1/4"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.45	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0302	EA	1/4"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.67	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0303			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0304	EA	5/16"	Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.57	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0305	EA	5/16"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.61	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0306	EA	5/16"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.69	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0307	EA	5/16"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.82	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0308	EA	5/16"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.14	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0309	EA	5/16"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.31	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0310	EA	5/16"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0311	EA	5/16"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.97	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0312	EA	5/16"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.21	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0313	EA	5/16"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0314	EA	5/16"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.09	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.16	
		For >100 To 250, Deduct		-1.57	
		For >250 To 500, Deduct		-1.97	
		For >500, Deduct		-2.36	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.46	
		For >100 To 250, Deduct		-1.57	
		For >250 To 500, Deduct		-1.97	
		For >500, Deduct		-2.36	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.07	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.42	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.47	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.42	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.87	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.42	
05 05 23 00-0320		3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)			
05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.64	
		For >100 To 250, Deduct		-1.45	
		For >250 To 500, Deduct		-1.81	
		For >500, Deduct		-2.18	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.67	
		For >100 To 250, Deduct		-1.45	
		For >250 To 500, Deduct		-1.81	
		For >500, Deduct		-2.18	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.81	
		For >100 To 250, Deduct		-1.45	
		For >250 To 500, Deduct		-1.81	
		For >500, Deduct		-2.18	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.95	
		For >100 To 250, Deduct		-1.45	
		For >250 To 500, Deduct		-1.81	
		For >500, Deduct		-2.18	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.32	
		For >100 To 250, Deduct		-1.49	
		For >250 To 500, Deduct		-1.87	
		For >500, Deduct		-2.24	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.49	
		For >100 To 250, Deduct		-1.49	
		For >250 To 500, Deduct		-1.87	
		For >500, Deduct		-2.24	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.76	
		For >100 To 250, Deduct		-1.49	
		For >250 To 500, Deduct		-1.87	
		For >500, Deduct		-2.24	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.25	
		For >100 To 250, Deduct		-1.53	
		For >250 To 500, Deduct		-1.92	
		For >500, Deduct		-2.30	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.88	
		For >100 To 250, Deduct		-1.53	
		For >250 To 500, Deduct		-1.92	
		For >500, Deduct		-2.30	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.16	
		For >100 To 250, Deduct		-1.53	
		For >250 To 500, Deduct		-1.92	
		For >500, Deduct		-2.30	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.75	
		For >100 To 250, Deduct		-1.57	
		For >250 To 500, Deduct		-1.97	
		For >500, Deduct		-2.36	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.01	
		For >100 To 250, Deduct		-1.57	
		For >250 To 500, Deduct		-1.97	
		For >500, Deduct		-2.36	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.48	
		For >100 To 250, Deduct		-1.57	
		For >250 To 500, Deduct		-1.97	
		For >500, Deduct		-2.36	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.04	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.42	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.67	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.42	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0336	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.17	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0338	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.95	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0339	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.08	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0340	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.40	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0341	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.86	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0342	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.09	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0343	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0344	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.80	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.59	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.98	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.23	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.50	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.06	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.42	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.78	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.29	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.47	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0357	EA	1/2"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.98	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0358	EA	1/2"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.27	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0359	EA	1/2"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.56	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0360	EA	1/2"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.03	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0361	EA	1/2"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.01	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0362	EA	1/2"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.07	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0363	EA	1/2"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.95	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0364	EA	1/2"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.33	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0365	EA	1/2"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.30	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0366	EA	1/2"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.38	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0367	EA	1/2"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.93	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0368	EA	1/2"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.13	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0369	EA	1/2"	Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.35	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0370	EA	1/2"	Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.31	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0371	EA	1/2"	Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.66	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0372	EA	1/2"	Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.18	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0373			9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0374	EA	9/16"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.65	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0375	EA	9/16"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.96	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0376	EA	9/16"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0377	EA	9/16"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.77	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0378	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.16	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0379	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.60	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0380	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0381	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.00	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0382	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.44	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0383	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.15	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0384	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.62	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0385	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.19	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0386	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.32	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0387	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.97	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0388	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.05	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0389	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.28	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0390	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.68	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0391	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.07	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0392	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.04	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0393			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	11.02	
05 05 23 00-0394	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.02	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0395	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0396	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.22	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0397	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.73	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0398	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.25	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0399	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.72	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0400	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.41	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0401	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.32	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0402	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.81	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0403	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.27	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0404	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.05	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0405	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.29	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0406	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.63	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0407	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.65	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0408	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.80	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0409	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.87	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0410	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.25	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0411	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.28	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0412	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.99	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0413			3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0414	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.18	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0415	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.38	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0416	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.49	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0417	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.14	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0418	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.66	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0419	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.45	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.18	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.69	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.75	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.45	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.33	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.12	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.24	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.87	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.74	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.31	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.15	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.60	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0433		7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.67	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.27	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.82	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.86	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.55	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.28	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0441 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.51	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.23	
05 05 23 00-0442 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.43	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.23	
05 05 23 00-0443 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.08	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.29	
05 05 23 00-0444 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.85	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.29	
05 05 23 00-0445 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.15	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.29	
05 05 23 00-0446 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.53	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.35	
05 05 23 00-0447 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.98	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.35	
05 05 23 00-0448 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.07	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-3.35	
05 05 23 00-0449 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.37	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.42	
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.79	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.42	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.00	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.42	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	34.21	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-3.42	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.98	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.11	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.06	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.11	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.04	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.05	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.78	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.94	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.23	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.12	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.23	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.83	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.23	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0462	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.26	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0463	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.63	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0464	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.01	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0465	EA		1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	29.75	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0466	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.30	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0467	EA		1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.02	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0468	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.39	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0469	EA		1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	42.03	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0470	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	43.78	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0471	EA		1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	44.97	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0472			Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473			1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474	EA		1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.48	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0475	EA		1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.60	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0476	EA		1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.66	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0477	EA		1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.79	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0478	EA		1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.08	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0479	EA		1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.23	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0480	EA		1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.37	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0481	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.57	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0482	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.97	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0483	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.34	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0484	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.74 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.94 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 10.20 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.58 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.07 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....11.29 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0490			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 7.58 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....7.66 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 7.89 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....7.94 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 8.28 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....8.63 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 8.73 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.14 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.36 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.86 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 10.37 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.56 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0503	EA		5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 10.86 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0504	EA		5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....11.27 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0505	EA		5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.49	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0506	EA		5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.91	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0508	EA		3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.83	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0509	EA		3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0510	EA		3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.88	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0511	EA		3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.15	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0512	EA		3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.52	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0513	EA		3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.05	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.03	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.35	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.41	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.75	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.09	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.63	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.20	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.89	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.51	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.13	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.17		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.61		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.86		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.34		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 10.61		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.86		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.94		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....12.79		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 13.58		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....13.88		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 14.32		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....15.18		
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 16.61		
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....16.72		
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0540			1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.42		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 9.73		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.93		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 10.34		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.69		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt 11.48		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0547	EA	1/2"	Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.23	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0548	EA	1/2"	Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.68	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0549	EA	1/2"	Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.01	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0550	EA	1/2"	Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.80	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0551	EA	1/2"	Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.79	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0552	EA	1/2"	Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.70	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0553	EA	1/2"	Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.68	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0554	EA	1/2"	Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.09	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0555	EA	1/2"	Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.22	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0556	EA	1/2"	Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.32	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0557	EA	1/2"	Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.14	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0558	EA	1/2"	Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.56	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0559	EA	1/2"	Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.59	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0561	EA	9/16"	Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.71	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0562	EA	9/16"	Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0563	EA	9/16"	Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.34	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0564	EA	9/16"	Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.19	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0565	EA	9/16"	Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.35	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0566	EA	9/16"	Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.99	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0567	EA	9/16"	Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.62	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.72 -1.74 -2.17 -2.61	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.13 -1.74 -2.17 -2.61	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.68 -1.78 -2.23 -2.67	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.59 -1.78 -2.23 -2.67	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	20.04 -1.78 -2.23 -2.67	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	24.27 -1.82 -2.28 -2.73	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	29.26 -1.82 -2.28 -2.73	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	34.68 -1.82 -2.28 -2.73	
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.43 -1.86 -2.33 -2.80	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.61 -1.86 -2.33 -2.80	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	12.10 -1.86 -2.33 -2.80	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.02 -1.91 -2.38 -2.86	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.60 -1.91 -2.38 -2.86	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.91 -1.91 -2.38 -2.86	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.33 -1.95 -2.43 -2.92	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.37 -1.95 -2.43 -2.92	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.83 -1.95 -2.43 -2.92	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.52 -1.99 -2.49 -2.98	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	17.01 -1.99 -2.49 -2.98	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	18.03 -1.99 -2.49 -2.98	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.65	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.82	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.30	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.57	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.85	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.02	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.14	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)				
05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.51	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.86	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.79	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.75	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.54	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.36	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.24	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.89	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.10	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0610	EA	3/4"	Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	23.98 -2.03 -2.54 -3.04	
05 05 23 00-0611	EA	3/4"	Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	24.44 -2.03 -2.54 -3.04	
05 05 23 00-0612	EA	3/4"	Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	26.82 -2.07 -2.59 -3.11	
05 05 23 00-0613	EA	3/4"	Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	28.42 -2.07 -2.59 -3.11	
05 05 23 00-0614	EA	3/4"	Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	29.57 -2.07 -2.59 -3.11	
05 05 23 00-0615	EA	3/4"	Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	29.99 -2.07 -2.59 -3.11	
05 05 23 00-0616			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA	7/8"	Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.53 -2.07 -2.59 -3.11	
05 05 23 00-0618	EA	7/8"	Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	17.08 -2.07 -2.59 -3.11	
05 05 23 00-0619	EA	7/8"	Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	18.09 -2.11 -2.64 -3.17	
05 05 23 00-0620	EA	7/8"	Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	19.72 -2.11 -2.64 -3.17	
05 05 23 00-0621	EA	7/8"	Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	19.91 -2.11 -2.64 -3.17	
05 05 23 00-0622	EA	7/8"	Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	20.47 -2.15 -2.69 -3.23	
05 05 23 00-0623	EA	7/8"	Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	24.41 -2.15 -2.69 -3.23	
05 05 23 00-0624	EA	7/8"	Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	25.42 -2.15 -2.69 -3.23	
05 05 23 00-0625	EA	7/8"	Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	27.97 -2.20 -2.75 -3.29	
05 05 23 00-0626	EA	7/8"	Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	29.44 -2.20 -2.75 -3.29	
05 05 23 00-0627	EA	7/8"	Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	33.26 -2.20 -2.75 -3.29	
05 05 23 00-0628	EA	7/8"	Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	34.74 -2.24 -2.80 -3.35	
05 05 23 00-0629	EA	7/8"	Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	38.66 -2.24 -2.80 -3.35	
05 05 23 00-0630	EA	7/8"	Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	40.25 -2.24 -2.80 -3.35	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0631	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.73	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0632	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.19	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0633	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.58	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0634	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.53	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0636	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.08	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0637	EA		1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.45	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0638	EA		1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.26	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0639	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.28	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.19	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.91	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.56	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.76	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.00	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.93	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.54	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.44	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.64	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.54	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.52	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	46.02	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	49.98 -2.28 -2.85 -3.42	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	52.40 -2.28 -2.85 -3.42	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0656	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.64 -1.45 -1.81 -2.18	
05 05 23 00-0657	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.66 -1.45 -1.81 -2.18	
05 05 23 00-0658	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.69 -1.45 -1.81 -2.18	
05 05 23 00-0659	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.97 -1.45 -1.81 -2.18	
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.32 -1.49 -1.87 -2.24	
05 05 23 00-0661	EA		1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.48 -1.49 -1.87 -2.24	
05 05 23 00-0662	EA		1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.55 -1.49 -1.87 -2.24	
05 05 23 00-0663	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.77 -1.53 -1.92 -2.30	
05 05 23 00-0664	EA		1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.97 -1.53 -1.92 -2.30	
05 05 23 00-0665	EA		1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.02 -1.53 -1.92 -2.30	
05 05 23 00-0666	EA		1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.36 -1.57 -1.97 -2.36	
05 05 23 00-0667	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.54 -1.57 -1.97 -2.36	
05 05 23 00-0668	EA		1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.60 -1.57 -1.97 -2.36	
05 05 23 00-0669	EA		1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.97 -1.62 -2.02 -2.42	
05 05 23 00-0670	EA		1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.44 -1.62 -2.02 -2.42	
05 05 23 00-0671	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.03 -1.62 -2.02 -2.42	
05 05 23 00-0672			5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.52		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.06		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.11		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.58		
		For >100 To 250, Deduct	-1.49		
		For >250 To 500, Deduct	-1.87		
		For >500, Deduct	-2.24		
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.09		
		For >100 To 250, Deduct	-1.49		
		For >250 To 500, Deduct	-1.87		
		For >500, Deduct	-2.24		
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.19		
		For >100 To 250, Deduct	-1.49		
		For >250 To 500, Deduct	-1.87		
		For >500, Deduct	-2.24		
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.53		
		For >100 To 250, Deduct	-1.53		
		For >250 To 500, Deduct	-1.92		
		For >500, Deduct	-2.30		
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.58		
		For >100 To 250, Deduct	-1.53		
		For >250 To 500, Deduct	-1.92		
		For >500, Deduct	-2.30		
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.99		
		For >100 To 250, Deduct	-1.53		
		For >250 To 500, Deduct	-1.92		
		For >500, Deduct	-2.30		
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.31		
		For >100 To 250, Deduct	-1.57		
		For >250 To 500, Deduct	-1.97		
		For >500, Deduct	-2.36		
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.46		
		For >100 To 250, Deduct	-1.57		
		For >250 To 500, Deduct	-1.97		
		For >500, Deduct	-2.36		
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86		
		For >100 To 250, Deduct	-1.57		
		For >250 To 500, Deduct	-1.97		
		For >500, Deduct	-2.36		
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.42		
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.42		
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.06		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.42		
05 05 23 00-0689		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)			
05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.68		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.81		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.27		
		For >100 To 250, Deduct	-1.45		
		For >250 To 500, Deduct	-1.81		
		For >500, Deduct	-2.18		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.62	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.90	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.84	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0703	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.16	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0706			7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.53	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0708	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.55	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.21	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.63	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.01	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.66	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.10	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)				
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.07	
		For >500, Deduct	-2.48	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.07	
		For >500, Deduct	-2.48	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.07	
		For >500, Deduct	-2.48	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.50	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.35	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.64	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.71	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.25	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
		For >100 To 250, Deduct	-1.82	
		For >250 To 500, Deduct	-2.28	
		For >500, Deduct	-2.73	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.67	
		For >100 To 250, Deduct	-1.82	
		For >250 To 500, Deduct	-2.28	
		For >500, Deduct	-2.73	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04	
		For >100 To 250, Deduct	-1.82	
		For >250 To 500, Deduct	-2.28	
		For >500, Deduct	-2.73	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.01	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.31	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.38	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.55	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0738			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.00	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0740	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.30	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0741	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.50	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0742	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0743	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.48	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0744	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.46	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0745	EA		5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.82	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0746	EA		5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.99	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0747	EA		5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.29	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0748	EA		5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.89	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0749	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.24	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0750	EA		5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.24	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0751	EA		5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.50	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0752	EA		5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.26	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0753	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.78	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0754	EA		5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.73	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0755	EA		5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.56	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0756	EA		5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.47	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0757	EA		5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.61	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)					
05 05 23 00-0759	EA		3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0760	EA		3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.49	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0761	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.86	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0762	EA		3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0763	EA		3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0764	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.13	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0765	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.80	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.88	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.07	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.40	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.57	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.05	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.20	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.35	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.83	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.74	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0775	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.25	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0776	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.53	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0777	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.67	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	



Metals			05	05
Common Work Results for Metals			05 05	
Metal Fastenings			05 05 23	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 05 23 00-0778		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.31	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.87	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.40	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.33	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.77	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.16	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.95	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.71	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.32	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.18	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.05	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.18	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.45	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.98	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.60	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.39	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.13	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0797		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.25	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.63	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.69	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.52	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-2.64	
		For >500, Deduct	-3.17	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.63	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.05	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.28	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.23	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.62	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.07	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.24	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.29	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.22	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.97	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.69	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.35	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.42	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.82	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.89	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	40.46	
		For >100 To 250, Deduct	-2.28	
		For >250 To 500, Deduct	-2.85	
		For >500, Deduct	-3.42	
05 05 23 00-0815		304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0816		1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.61	
		For >100 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-1.81	
		For >500, Deduct	-2.18	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.75	
		For >100 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-1.81	
		For >500, Deduct	-2.18	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.92	
		For >100 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-1.81	
		For >500, Deduct	-2.18	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-1.81	
		For >500, Deduct	-2.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0821	EA	1/4"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.50 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0822	EA	1/4"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.79 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0823	EA	1/4"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.12 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0824	EA	1/4"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.57 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0825	EA	1/4"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.98 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0826	EA	1/4"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.34 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		
05 05 23 00-0827	EA	1/4"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.86 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0828	EA	1/4"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.48 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0829	EA	1/4"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 18.88 For >100 To 250, Deduct -1.57 For >250 To 500, Deduct -1.97 For >500, Deduct -2.36		
05 05 23 00-0830	EA	1/4"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt 22.70 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0831	EA	1/4"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 23.05 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0832	EA	1/4"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt 23.88 For >100 To 250, Deduct -1.62 For >250 To 500, Deduct -2.02 For >500, Deduct -2.42		
05 05 23 00-0833			5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0834	EA	5/16"	Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 7.86 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0835	EA	5/16"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt 7.99 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0836	EA	5/16"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.25 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0837	EA	5/16"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.47 For >100 To 250, Deduct -1.45 For >250 To 500, Deduct -1.81 For >500, Deduct -2.18		
05 05 23 00-0838	EA	5/16"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.07 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0839	EA	5/16"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.20 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0840	EA	5/16"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.89 For >100 To 250, Deduct -1.49 For >250 To 500, Deduct -1.87 For >500, Deduct -2.24		
05 05 23 00-0841	EA	5/16"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.58 For >100 To 250, Deduct -1.53 For >250 To 500, Deduct -1.92 For >500, Deduct -2.30		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.73	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.12	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.05	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.46	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.79	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0848			3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.19	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.35	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.77	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.30	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.78	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.20	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.76	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.46	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.12	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.57	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.95	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.15	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.70	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.51	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 18.87		
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt 21.42		
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.58		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.75		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.43		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 12.04		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt 12.85		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 14.21		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt 15.02		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 16.61		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt 17.30		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 19.69		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt 22.10		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 22.43		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt 22.92		
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0879			1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.56		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.75		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.81		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 12.45		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0884	EA	1/2"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.41	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0885	EA	1/2"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.94	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0886	EA	1/2"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.77	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0887	EA	1/2"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.24	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0888	EA	1/2"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.77	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-0889	EA	1/2"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.68	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0890	EA	1/2"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.82	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0891	EA	1/2"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.11	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-0892	EA	1/2"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.23	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0893	EA	1/2"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.00	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0894	EA	1/2"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.22	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-0895	EA	1/2"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.37	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0896	EA	1/2"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.86	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0897	EA	1/2"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.22	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0898	EA	1/2"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.56	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0899			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0900	EA	9/16"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0901	EA	9/16"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.32	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0902	EA	9/16"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.18	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-0903	EA	9/16"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.17	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-0904	EA	9/16"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.54	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	



MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.93	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-2.55	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.65	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.19	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.25	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.17	
		For >500, Deduct	-2.61	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.84	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.55	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-2.67	
05 05 23 00-0911		5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.47	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.33	
		For >500, Deduct	-2.80	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.64	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.64	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.07	
		For >100 To 250, Deduct	-1.91	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.07	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.08	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.69	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.92	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.81	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.25	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.54	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.64	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.04	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.04	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926	EA		5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.12	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0927	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.75	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0928	EA		5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.16	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0929	EA		5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.45	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.04	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)					
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.77	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.75	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.05	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.67	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.10	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.51	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.14	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.38	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.18	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.24	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.33	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.25	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.85	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.18	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.28	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.82	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.94	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.97	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.31	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0951			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)	22.98	
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.98	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.43	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.52	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.01	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0956	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.82	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0957	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.07	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0958	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.87	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0959	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.29	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0960	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.31	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0961	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.40	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0962	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.89	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0963	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.49	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0964	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	63.65	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0965	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.80	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0966	EA		7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	80.62	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0967	EA		7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	90.72	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0968	EA		7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	95.39	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0969	EA		7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	100.05	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)					
05 05 23 00-0971	EA		1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.93	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0972	EA		1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.72	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-0973	EA		1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.60	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0974	EA		1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.86	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.57	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.95	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.53	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.36	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.16	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.37	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.63	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	77.80	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	79.73	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	81.67	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.74	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	91.67	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	118.57	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	149.91	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	



			Metals	05
			Common Work Results for Metals	05 05
			Metal Fastenings	05 05 23

05

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 05 23 00-0989	316 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)			
05 05 23 00-0990	1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)			
05 05 23 00-0991	EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.87 -1.45 -1.81 -2.18		
05 05 23 00-0992	EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.16 -1.45 -1.81 -2.18		
05 05 23 00-0993	EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.36 -1.45 -1.81 -2.18		
05 05 23 00-0994	EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.51 -1.45 -1.81 -2.18		
05 05 23 00-0995	EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	9.12 -1.49 -1.87 -2.24		
05 05 23 00-0996	EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	9.49 -1.49 -1.87 -2.24		
05 05 23 00-0997	EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	9.85 -1.49 -1.87 -2.24		
05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	10.34 -1.53 -1.92 -2.30		
05 05 23 00-0999	EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	10.65 -1.53 -1.92 -2.30		
05 05 23 00-1000	EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	10.79 -1.53 -1.92 -2.30		
05 05 23 00-1001	EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	11.94 -1.57 -1.97 -2.36		
05 05 23 00-1002	EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	12.20 -1.57 -1.97 -2.36		
05 05 23 00-1003	EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	21.62 -1.57 -1.97 -2.36		
05 05 23 00-1004	EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	33.24 -1.62 -2.02 -2.42		
05 05 23 00-1005	EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	58.39 -1.62 -2.02 -2.42		
05 05 23 00-1006	EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	64.12 -1.62 -2.02 -2.42		
05 05 23 00-1007	5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)			
05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.26 -1.45 -1.81 -2.18		
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.58 -1.45 -1.81 -2.18		
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	9.12 -1.45 -1.81 -2.18		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1011	EA		5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.53	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-1012	EA		5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.91	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1013	EA		5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.74	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1014	EA		5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.32	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1015	EA		5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-1016	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.01	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-1017	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.26	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-1018	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.34	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.30	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.32	
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.92	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-1022			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.11	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.24	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.74	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.94	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.18	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.57	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.79	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.83	
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-1.87	
			For >500, Deduct	-2.24	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.18	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.84	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 14.28		
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-1.92	
			For >500, Deduct	-2.30	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 15.94		
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 17.70		
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 17.78		
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.36	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 22.45		
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 29.71		
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 37.55		
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.42	
05 05 23 00-1039			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989).....12.14		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt 12.14		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 12.90		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 14.30		
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1043	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 15.73		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1044	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 17.08		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1045	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 19.30		
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1046	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 21.63		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1047	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 22.01		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1048	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 22.83		
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1049	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 23.59		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1050	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 24.17		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1051	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 24.75		
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1052	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 25.41		
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1053			1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1054	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.10	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1055	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.91	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1056	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.05	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1057	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.62	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1058	EA		1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.87	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1059	EA		1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.18	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1060	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.90	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1061	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.32	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	25.22	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.81	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.58	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.64	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.90	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.52	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	43.87	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.28	
			For >500, Deduct	-2.73	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.57	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	62.99	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.20	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	66.09	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	32.42	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.08	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	44.01	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.07	
			For >500, Deduct	-2.48	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.22	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	54.49	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.76	
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.12	
			For >500, Deduct	-2.55	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	63.24	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.59	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	71.45	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.17	
			For >500, Deduct	-2.61	
05 05 23 00-1083	EA		9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	72.83	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1084	EA		9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	76.23	
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.23	
			For >500, Deduct	-2.67	
05 05 23 00-1085			5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1086	EA		5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.28	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1087	EA		5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.51	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1088	EA		5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.59	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1089	EA		5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.32	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1090	EA		5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.88	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1091	EA		5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.85	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1092	EA		5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	27.09	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1093	EA		5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.44	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1094	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	32.94	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1095	EA		5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.01	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1096	EA		5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	37.25	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1097	EA		5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.85	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1098	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	47.80	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1099	EA		5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.76	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1100	EA		5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	52.32	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.04	
05 05 23 00-1101	EA		5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.73	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-1102	EA		5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	58.74	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-1103	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	73.11	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	88.46	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	23.32	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.86	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	25.93	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.33	
			For >500, Deduct	-2.80	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.95	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	31.81	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.05	
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	39.02	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.99	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	42.08	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.92	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.73	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.21	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1117	EA	3/4"	Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 53.81 For >100 To 250, Deduct -1.99 For >250 To 500, Deduct -2.49 For >500, Deduct -2.98		
05 05 23 00-1118	EA	3/4"	Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 65.02 For >100 To 250, Deduct -2.03 For >250 To 500, Deduct -2.54 For >500, Deduct -3.04		
05 05 23 00-1119	EA	3/4"	Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 73.60 For >100 To 250, Deduct -2.03 For >250 To 500, Deduct -2.54 For >500, Deduct -3.04		
05 05 23 00-1120	EA	3/4"	Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 74.89 For >100 To 250, Deduct -2.03 For >250 To 500, Deduct -2.54 For >500, Deduct -3.04		
05 05 23 00-1121	EA	3/4"	Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 80.26 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1122	EA	3/4"	Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 93.25 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1123	EA	3/4"	Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 94.35 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1124	EA	3/4"	Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 97.09 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1125			7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA	7/8"	Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 26.32 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1127	EA	7/8"	Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 29.89 For >100 To 250, Deduct -2.07 For >250 To 500, Deduct -2.59 For >500, Deduct -3.11		
05 05 23 00-1128	EA	7/8"	Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 32.05 For >100 To 250, Deduct -2.11 For >250 To 500, Deduct -2.64 For >500, Deduct -3.17		
05 05 23 00-1129	EA	7/8"	Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 37.05 For >100 To 250, Deduct -2.11 For >250 To 500, Deduct -2.64 For >500, Deduct -3.17		
05 05 23 00-1130	EA	7/8"	Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 39.29 For >100 To 250, Deduct -2.11 For >250 To 500, Deduct -2.64 For >500, Deduct -3.17		
05 05 23 00-1131	EA	7/8"	Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 41.47 For >100 To 250, Deduct -2.15 For >250 To 500, Deduct -2.69 For >500, Deduct -3.23		
05 05 23 00-1132	EA	7/8"	Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 44.51 For >100 To 250, Deduct -2.15 For >250 To 500, Deduct -2.69 For >500, Deduct -3.23		
05 05 23 00-1133	EA	7/8"	Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 51.32 For >100 To 250, Deduct -2.15 For >250 To 500, Deduct -2.69 For >500, Deduct -3.23		
05 05 23 00-1134	EA	7/8"	Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 51.71 For >100 To 250, Deduct -2.20 For >250 To 500, Deduct -2.75 For >500, Deduct -3.29		
05 05 23 00-1135	EA	7/8"	Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 53.97 For >100 To 250, Deduct -2.20 For >250 To 500, Deduct -2.75 For >500, Deduct -3.29		
05 05 23 00-1136	EA	7/8"	Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 73.05 For >100 To 250, Deduct -2.20 For >250 To 500, Deduct -2.75 For >500, Deduct -3.29		
05 05 23 00-1137	EA	7/8"	Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 81.67 For >100 To 250, Deduct -2.24 For >250 To 500, Deduct -2.80 For >500, Deduct -3.35		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1138	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.72	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-1139	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	95.18	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-1140	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	101.19	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1141	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	105.07	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1142	EA		7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	108.91	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1143	EA		7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	113.24	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1145	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	34.18	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-2.59	
			For >500, Deduct	-3.11	
05 05 23 00-1146	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.89	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	43.58	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.47	
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-2.64	
			For >500, Deduct	-3.17	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	51.79	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.78	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	59.82	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.23	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.09	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	74.51	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	84.79	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.29	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	99.05	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	110.86	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	112.56	
			For >100 To 250, Deduct	-2.24	
			For >250 To 500, Deduct	-2.80	
			For >500, Deduct	-3.35	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	116.63	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	118.26	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	137.88	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	156.82	
			For >100 To 250, Deduct	-2.28	
			For >250 To 500, Deduct	-2.85	
			For >500, Deduct	-3.42	
05 05 23 00-1162			Screws (05 05 23)		
05 05 23 00-1163			Teks® 5 Self Drilling Screws (05 05 23 00-1162)		
			Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.00	
			For >10 To 50, Deduct	-0.17	
			For >50 To 100, Deduct	-0.36	
			For >100, Deduct	-0.72	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.20	
			For >10 To 50, Deduct	-0.17	
			For >50 To 100, Deduct	-0.36	
			For >100, Deduct	-0.73	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.71	
			For >10 To 50, Deduct	-0.18	
			For >50 To 100, Deduct	-0.39	
			For >100, Deduct	-0.79	
05 05 23 00-1167	EA		1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	6.56	
			For >10 To 50, Deduct	-0.23	
			For >50 To 100, Deduct	-0.51	
			For >100, Deduct	-1.02	
05 05 23 00-1168	EA		1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.02	
			For >10 To 50, Deduct	-0.24	
			For >50 To 100, Deduct	-0.54	
			For >100, Deduct	-1.08	
05 05 23 00-1169	EA		1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	8.84	
			For >10 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.60	
			For >100, Deduct	-1.20	
05 05 23 00-1170	EA		1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.95	
			For >10 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-0.65	
			For >100, Deduct	-1.29	
05 05 23 00-1171			Security Screws (05 05 23 00-1162)		
05 05 23 00-1172			304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)		
			Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173	EA		#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.11	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.30	
			For >100, Deduct	-0.59	
05 05 23 00-1174	EA		#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.66	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.31	
			For >100, Deduct	-0.62	
05 05 23 00-1175	EA		#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.14	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.32	
			For >100, Deduct	-0.64	
05 05 23 00-1176	EA		#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.30	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.33	
			For >100, Deduct	-0.65	
05 05 23 00-1177	EA		#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.61	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.33	
			For >100, Deduct	-0.67	
05 05 23 00-1178	EA		#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.79	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.31	
			For >100, Deduct	-0.62	
05 05 23 00-1179	EA		#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.01	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.32	
			For >100, Deduct	-0.64	
05 05 23 00-1180	EA		#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
			For >10 To 50, Deduct	-0.15	
			For >50 To 100, Deduct	-0.33	
			For >100, Deduct	-0.66	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.63	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.33	
		For >100, Deduct	-0.67	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.93	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.32	
		For >100, Deduct	-0.63	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.99	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.32	
		For >100, Deduct	-0.63	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.20	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.32	
		For >100, Deduct	-0.65	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.84	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.34	
		For >100, Deduct	-0.68	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.30	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.33	
		For >100, Deduct	-0.65	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	4.44	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.33	
		For >100, Deduct	-0.66	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	5.06	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.34	
		For >100, Deduct	-0.69	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	6.03	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.37	
		For >100, Deduct	-0.74	

05 05 23 00-1190**Threaded Rod (05 05 23)**

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191**Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)**

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.13	0.57
		For Left Hand Threaded Rod, Add	0.10	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.74	0.63
		For Left Hand Threaded Rod, Add	0.15	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.17	0.73
		For Left Hand Threaded Rod, Add	0.17	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.19	0.74
		For Left Hand Threaded Rod, Add	0.27	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.29	0.77
		For Left Hand Threaded Rod, Add	0.28	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.25	0.78
		For Left Hand Threaded Rod, Add	0.37	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.88	0.79
		For Left Hand Threaded Rod, Add	0.43	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.44	0.82
		For Left Hand Threaded Rod, Add	0.78	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.26	0.85
		For Left Hand Threaded Rod, Add	0.86	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.95	0.95
		For Left Hand Threaded Rod, Add	1.20	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.31	1.06
		For Left Hand Threaded Rod, Add	1.52	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.88	1.15
		For Left Hand Threaded Rod, Add	2.05	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.36	1.25
		For Left Hand Threaded Rod, Add	2.59	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.84	1.30
		For Left Hand Threaded Rod, Add	3.12	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.40	1.36
		For Left Hand Threaded Rod, Add	3.87	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	52.75	1.43
		For Left Hand Threaded Rod, Add	4.99	

05 05 23 00-1208**Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)**

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	2.14	0.57
		For Left Hand Threaded Rod, Add	0.10	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	3.07	0.63
		For Left Hand Threaded Rod, Add	0.18	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	3.42	0.73
		For Left Hand Threaded Rod, Add	0.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	4.80	0.74
			For Left Hand Threaded Rod, Add	0.33	
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	5.15	0.77
			For Left Hand Threaded Rod, Add	0.36	
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	6.65	0.78
			For Left Hand Threaded Rod, Add	0.51	
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	7.05	0.79
			For Left Hand Threaded Rod, Add	0.55	
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	10.44	0.82
			For Left Hand Threaded Rod, Add	0.88	
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	13.42	0.85
			For Left Hand Threaded Rod, Add	1.17	
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	17.95	0.95
			For Left Hand Threaded Rod, Add	1.60	
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	23.09	1.06
			For Left Hand Threaded Rod, Add	2.10	
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	27.52	1.15
			For Left Hand Threaded Rod, Add	2.51	
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	31.24	1.25
			For Left Hand Threaded Rod, Add	2.88	
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	39.22	1.30
			For Left Hand Threaded Rod, Add	3.66	
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	48.49	1.36
			For Left Hand Threaded Rod, Add	4.58	
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	70.51	1.43
			For Left Hand Threaded Rod, Add	6.77	
05 05 23 00-1225			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	5.43	0.73
			For Left Hand Threaded Rod, Add	0.40	
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	7.50	0.77
			For Left Hand Threaded Rod, Add	0.60	
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	10.02	0.79
			For Left Hand Threaded Rod, Add	0.84	
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	13.65	0.82
			For Left Hand Threaded Rod, Add	1.20	
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	18.76	0.85
			For Left Hand Threaded Rod, Add	1.71	
05 05 23 00-1231	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	24.15	0.95
			For Left Hand Threaded Rod, Add	2.22	
05 05 23 00-1232	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	31.69	1.06
			For Left Hand Threaded Rod, Add	2.96	
05 05 23 00-1233	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	41.59	1.15
			For Left Hand Threaded Rod, Add	3.92	
05 05 23 00-1234	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	46.44	1.25
			For Left Hand Threaded Rod, Add	4.40	
05 05 23 00-1235	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	55.20	1.30
			For Left Hand Threaded Rod, Add	5.26	
05 05 23 00-1236	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	66.98	1.36
			For Left Hand Threaded Rod, Add	6.43	
05 05 23 00-1237	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	116.50	1.43
			For Left Hand Threaded Rod, Add	11.36	
05 05 23 00-1238			304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1239	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.07	0.57
			For Left Hand Threaded Rod, Add	0.29	
05 05 23 00-1240	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	6.25	0.63
			For Left Hand Threaded Rod, Add	0.50	
05 05 23 00-1241	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.08	0.73
			For Left Hand Threaded Rod, Add	0.67	
05 05 23 00-1242	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	11.38	0.74
			For Left Hand Threaded Rod, Add	0.99	
05 05 23 00-1243	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	13.71	0.77
			For Left Hand Threaded Rod, Add	1.22	
05 05 23 00-1244	LF		9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	19.90	0.78
			For Left Hand Threaded Rod, Add	1.84	
05 05 23 00-1245	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.79	0.79
			For Left Hand Threaded Rod, Add	1.92	
05 05 23 00-1246	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	29.28	0.82
			For Left Hand Threaded Rod, Add	2.77	
05 05 23 00-1247	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	40.43	0.85
			For Left Hand Threaded Rod, Add	3.88	
05 05 23 00-1248	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	51.94	0.95
			For Left Hand Threaded Rod, Add	5.00	
05 05 23 00-1249	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	110.40	1.15
			For Left Hand Threaded Rod, Add	10.80	
05 05 23 00-1250	LF		1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	168.39	1.30
			For Left Hand Threaded Rod, Add	16.58	
05 05 23 00-1251	LF		1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	173.20	1.36
			For Left Hand Threaded Rod, Add	17.05	
05 05 23 00-1252	LF		2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	239.91	1.43
			For Left Hand Threaded Rod, Add	23.71	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1254	LF 1/4" Diameter, 316 Stainless Steel Threaded Rod.....	6.03	0.57	
	For Left Hand Threaded Rod, Add	0.49		
05 05 23 00-1255	LF 5/16" Diameter, 316 Stainless Steel Threaded Rod.....	9.88	0.63	
	For Left Hand Threaded Rod, Add	0.86		
05 05 23 00-1256	LF 3/8" Diameter, 316 Stainless Steel Threaded Rod.....	13.18	0.73	
	For Left Hand Threaded Rod, Add	1.18		
05 05 23 00-1257	LF 7/16" Diameter, 316 Stainless Steel Threaded Rod.....	20.79	0.74	
	For Left Hand Threaded Rod, Add	1.93		
05 05 23 00-1258	LF 1/2" Diameter, 316 Stainless Steel Threaded Rod.....	22.06	0.77	
	For Left Hand Threaded Rod, Add	2.05		
05 05 23 00-1259	LF 9/16" Diameter, 316 Stainless Steel Threaded Rod.....	29.07	0.78	
	For Left Hand Threaded Rod, Add	2.75		
05 05 23 00-1260	LF 5/8" Diameter, 316 Stainless Steel Threaded Rod.....	31.31	0.79	
	For Left Hand Threaded Rod, Add	2.97		
05 05 23 00-1261	LF 3/4" Diameter, 316 Stainless Steel Threaded Rod.....	45.84	0.82	
	For Left Hand Threaded Rod, Add	4.42		
05 05 23 00-1262	LF 7/8" Diameter, 316 Stainless Steel Threaded Rod.....	62.91	0.85	
	For Left Hand Threaded Rod, Add	6.12		
05 05 23 00-1263	LF 1" Diameter, 316 Stainless Steel Threaded Rod.....	79.68	0.95	
	For Left Hand Threaded Rod, Add	7.78		
05 05 23 00-1264	LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod.....	168.67	1.15	
	For Left Hand Threaded Rod, Add	16.63		
05 05 23 00-1265	LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod.....	221.23	1.30	
	For Left Hand Threaded Rod, Add	21.86		
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1267	LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	3.51	0.57	
	For Zinc Plating, Add	1.18		
05 05 23 00-1268	LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	5.31	0.63	
	For Zinc Plating, Add	2.03		
05 05 23 00-1269	LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	5.57	0.73	
	For Zinc Plating, Add	2.07		
05 05 23 00-1270	LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.07	0.74	
	For Zinc Plating, Add	2.30		
05 05 23 00-1271	LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.66	0.77	
	For Zinc Plating, Add	2.57		
05 05 23 00-1272	LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	8.26	0.78	
	For Zinc Plating, Add	3.36		
05 05 23 00-1273	LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	8.52	0.79	
	For Zinc Plating, Add	3.47		
05 05 23 00-1274	LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	11.22	0.82	
	For Zinc Plating, Add	4.80		
05 05 23 00-1275	LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	13.39	0.85	
	For Zinc Plating, Add	5.86		
05 05 23 00-1276	LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	17.33	0.95	
	For Zinc Plating, Add	7.71		
05 05 23 00-1277	LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	22.47	1.06	
	For Zinc Plating, Add	10.18		
05 05 23 00-1278	LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	25.02	1.15	
	For Zinc Plating, Add	11.32		
05 05 23 00-1279	LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	28.82	1.25	
	For Zinc Plating, Add	13.17		
05 05 23 00-1280	LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	34.97	1.30	
	For Zinc Plating, Add	16.19		
05 05 23 00-1281	LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	36.16	1.36	
	For Zinc Plating, Add	16.72		
05 05 23 00-1282	LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	48.38	1.43	
	For Zinc Plating, Add	22.76		
05 05 23 00-1283 Nuts And Washers (05 05 23)				
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)				
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)				
05 05 23 00-1286	EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.65	0.29	
05 05 23 00-1287	EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.73	0.29	
05 05 23 00-1288	EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.79	0.29	
05 05 23 00-1289	EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.93	0.29	
05 05 23 00-1290	EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.01	0.29	
05 05 23 00-1291	EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.38	0.29	
05 05 23 00-1292	EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.43	0.29	
05 05 23 00-1293	EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.71	0.57	
05 05 23 00-1294	EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.58	0.57	
05 05 23 00-1295	EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.30	0.57	
05 05 23 00-1296	EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.50	0.57	
05 05 23 00-1297	EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	6.75	0.57	
05 05 23 00-1298	EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	10.03	0.57	
05 05 23 00-1299	EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	11.65	0.87	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	17.21	0.87
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	24.98	0.87
05 05 23 00-1302		Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.68	0.29
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.74	0.29
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.82	0.29
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.97	0.29
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.15	0.29
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.42	0.29
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.46	0.29
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.96	0.57
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.83	0.57
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.04	0.57
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.24	0.57
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	8.88	0.57
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	13.15	0.57
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	14.54	0.87
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	26.43	0.87
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	38.01	0.87
05 05 23 00-1319		Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.69	0.29
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.81	0.29
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.88	0.29
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.13	0.29
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.37	0.29
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.67	0.29
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.92	0.29
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.41	0.57
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.69	0.57
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.95	0.57
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	7.84	0.57
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	9.81	0.57
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	16.30	0.57
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	17.31	0.87
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	26.51	0.87
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	37.58	0.87
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.29
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.78	0.29
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.85	0.29
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.10	0.29
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.28	0.29
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.44	0.29
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.60	0.29
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.18	0.57
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.24	0.57
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.51	0.57
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.58	0.57
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.75	0.57
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.58	0.57
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	17.04	0.87
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	29.89	0.87
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	51.90	0.87
05 05 23 00-1353		304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.81	0.29
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.97	0.29
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.11	0.29
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.74	0.29
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.89	0.29
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.99	0.29
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut.....	3.36	0.29
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut.....	3.88	0.57
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut.....	6.53	0.57
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut.....	10.09	0.57
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	24.60	0.57
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	47.60	0.87
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	84.00	0.87
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	119.89	0.87
05 05 23 00-1368		316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.97	0.29

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.12	0.29
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.36	0.29
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.36	0.29
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.53	0.29
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.53	0.29
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut.....	4.01	0.29
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut.....	5.68	0.57
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut.....	7.99	0.57
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut.....	12.43	0.57
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	38.37	0.57
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	62.27	0.87
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	105.38	0.87
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut.....	196.27	0.87

05 05 23 00-1383 Flat Washers (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers** (05 05 23 00-1383)

05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.06
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.09
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.25
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.35
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.40
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.68
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.98
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.17
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.43
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.62
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.93
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.03
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.11
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.60
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.72

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)

05 05 23 00-1402 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.21
05 05 23 00-1403 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29
05 05 23 00-1404 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.33
05 05 23 00-1405 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.45
05 05 23 00-1406 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.61
05 05 23 00-1407 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.98
05 05 23 00-1408 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.40
05 05 23 00-1409 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.98
05 05 23 00-1410 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.30
05 05 23 00-1411 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.66
05 05 23 00-1412 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.33
05 05 23 00-1413 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.81
05 05 23 00-1414 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.67
05 05 23 00-1415 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.77
05 05 23 00-1416 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.79
05 05 23 00-1417 EA 2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	14.14

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.14
05 05 23 00-1420 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.20
05 05 23 00-1421 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.22
05 05 23 00-1422 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.41
05 05 23 00-1423 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.53
05 05 23 00-1424 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.86
05 05 23 00-1425 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.96
05 05 23 00-1426 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.46
05 05 23 00-1427 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.06
05 05 23 00-1428 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.26
05 05 23 00-1429 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.46
05 05 23 00-1430 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.85
05 05 23 00-1431 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.50
05 05 23 00-1432 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.96
05 05 23 00-1433 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	8.64

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1435 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.18
05 05 23 00-1436 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.24
05 05 23 00-1437 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.34
05 05 23 00-1438 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.64
05 05 23 00-1439 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.16
05 05 23 00-1440 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.45
05 05 23 00-1441 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.12



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.16	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.56	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.77	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.72	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.24	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.65	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.33	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.59	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	22.77	
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)				
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.35	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.39	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.69	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.81	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.50	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.70	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.19	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.02	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.22	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	6.95	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.92	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.75	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	10.31	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	10.54	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	15.45	
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)				
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)				
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.14	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.23	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.39	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.65	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.17	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.71	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.62	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.15	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.89	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.72	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.82	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)				
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.17	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.29	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.38	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.45	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.75	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.08	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.71	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.10	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.69	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.33	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.10	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.25	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	11.24	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)				
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.61	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.49	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.76	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.05	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.71	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.23	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.13	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	12.15	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	15.45	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	18.54	
05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.18	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.40	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.47	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.80	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.89	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.59	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.74	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.01	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.98	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer.....	6.78	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	9.46	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	14.56	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	26.07	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	28.95	
05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1535 EA 1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	2.84	
05 05 23 00-1536 EA 5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	3.22	
05 05 23 00-1537 EA 3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	3.47	
05 05 23 00-1538 EA 7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	3.94	
05 05 23 00-1539 EA 1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	4.76	
05 05 23 00-1540 EA 1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	7.92	
05 05 23 00-1541 EA 1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	10.23	
05 05 23 00-1542 EA 1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	13.06	
05 05 23 00-1543 EA 1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	14.36	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545 EA 1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	3.60	
05 05 23 00-1546 EA 5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	4.01	
05 05 23 00-1547 EA 3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	3.90	
05 05 23 00-1548 EA 7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	4.76	
05 05 23 00-1549 EA 1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	5.64	
05 05 23 00-1550 EA 1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	8.50	
05 05 23 00-1551 EA 1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	10.70	
05 05 23 00-1552 EA 1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	15.23	
05 05 23 00-1553 EA 1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer.....	16.75	
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556 EA 1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer.....	4.70	
05 05 23 00-1557 EA 5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer.....	4.79	
05 05 23 00-1558 EA 3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer.....	4.90	
05 05 23 00-1559 EA 7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer.....	5.96	
05 05 23 00-1560 EA 1", Plain Finish, (ASTM F436) Square Beveled Structural Washer.....	6.27	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562 EA 1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer.....	6.76	
05 05 23 00-1563 EA 5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer.....	7.06	
05 05 23 00-1564 EA 3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer.....	7.06	
05 05 23 00-1565 EA 7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer.....	7.46	
05 05 23 00-1566 EA 1", Galvanized, (ASTM F436) Square Beveled Structural Washer.....	7.94	
05 05 23 00-1567 Drilling In Existing Steel Plates (05 05 23)		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	24.69	
For Aluminum, Deduct	-2.47	
For Stainless Steel, Add	3.09	
For >5 To 10, Deduct	-2.47	
For >10 To 25, Deduct	-6.17	
For >25 To 50, Deduct	-8.64	
For >50, Deduct	-12.35	



		Metals	05	05
		Common Work Results for Metals	05 05	
		Metal Fastenings	05 05 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA		>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	29.03	
			For Aluminum, Deduct	-2.90	
			For Stainless Steel, Add	3.63	
			For >5 To 10, Deduct	-2.90	
			For >10 To 25, Deduct	-7.26	
			For >25 To 50, Deduct	-10.16	
			For >50, Deduct	-14.52	
05 05 23 00-1570	EA		>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	34.85	
			For Aluminum, Deduct	-3.49	
			For Stainless Steel, Add	4.36	
			For >5 To 10, Deduct	-3.49	
			For >10 To 25, Deduct	-8.71	
			For >25 To 50, Deduct	-12.20	
			For >50, Deduct	-17.43	
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	40.65	
			For Aluminum, Deduct	-4.07	
			For Stainless Steel, Add	5.08	
			For >5 To 10, Deduct	-4.07	
			For >10 To 25, Deduct	-10.16	
			For >25 To 50, Deduct	-14.23	
			For >50, Deduct	-20.33	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	54.44	
			For Aluminum, Deduct	-5.44	
			For Stainless Steel, Add	6.81	
			For >5 To 10, Deduct	-5.44	
			For >10 To 25, Deduct	-13.61	
			For >25 To 50, Deduct	-19.05	
			For >50, Deduct	-27.22	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	29.03	
			For Aluminum, Deduct	-2.90	
			For Stainless Steel, Add	3.63	
			For >5 To 10, Deduct	-2.90	
			For >10 To 25, Deduct	-7.26	
			For >25 To 50, Deduct	-10.16	
			For >50, Deduct	-14.52	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	36.30	
			For Aluminum, Deduct	-3.63	
			For Stainless Steel, Add	4.54	
			For >5 To 10, Deduct	-3.63	
			For >10 To 25, Deduct	-9.08	
			For >25 To 50, Deduct	-12.71	
			For >50, Deduct	-18.15	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	43.56	
			For Aluminum, Deduct	-4.36	
			For Stainless Steel, Add	5.45	
			For >5 To 10, Deduct	-4.36	
			For >10 To 25, Deduct	-10.89	
			For >25 To 50, Deduct	-15.25	
			For >50, Deduct	-21.78	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	54.44	
			For Aluminum, Deduct	-5.44	
			For Stainless Steel, Add	6.81	
			For >5 To 10, Deduct	-5.44	
			For >10 To 25, Deduct	-13.61	
			For >25 To 50, Deduct	-19.05	
			For >50, Deduct	-27.22	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	36.30	
			For Aluminum, Deduct	-3.63	
			For Stainless Steel, Add	4.54	
			For >5 To 10, Deduct	-3.63	
			For >10 To 25, Deduct	-9.08	
			For >25 To 50, Deduct	-12.71	
			For >50, Deduct	-18.15	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	47.91	
			For Aluminum, Deduct	-4.79	
			For Stainless Steel, Add	5.99	
			For >5 To 10, Deduct	-4.79	
			For >10 To 25, Deduct	-11.98	
			For >25 To 50, Deduct	-16.77	
			For >50, Deduct	-23.96	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	58.08	
			For Aluminum, Deduct	-5.81	
			For Stainless Steel, Add	7.26	
			For >5 To 10, Deduct	-5.81	
			For >10 To 25, Deduct	-14.52	
			For >25 To 50, Deduct	-20.33	
			For >50, Deduct	-29.04	
05 05 23 00-1580			Cutting Existing Steel With Torch (05 05 23)		
05 05 23 00-1581	LF		Torch Cutting, Milled Steel Up To 1/4" Thick.....	7.12	
05 05 23 00-1582			Welded Stud Anchors (05 05 23)		
05 05 23 00-1583	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.57	
05 05 23 00-1584	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.67	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1585 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.71	
05 05 23 00-1586 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.75	
05 05 23 00-1587 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.48	
05 05 23 00-1588 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.73	
05 05 23 00-1589 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.97	
05 05 23 00-1590 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.10	
05 05 23 00-1591 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.23	
05 05 23 00-1592 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.74	
05 05 23 00-1593 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.16	
05 05 23 00-1594 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.49	
05 05 23 00-1595 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.52	
05 05 23 00-1596 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.55	
05 05 23 00-1597 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.94	
05 05 23 00-1598 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.30	
05 05 23 00-1599 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.74	
05 05 23 00-1600 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.44	
05 05 23 00-1601 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.88	
05 05 23 00-1602 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.10	
05 05 23 00-1603 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	11.41	
05 05 23 00-1604 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.89	
05 05 23 00-1605 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.48	
05 05 23 00-1606 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.95	
05 05 23 00-1607 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.42	
05 05 23 00-1608 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.81	
05 05 23 00-1609 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.17	
05 05 23 00-1610 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.64	
05 05 23 00-1611 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.61	
05 05 23 00-1612 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	15.33	

05 05 23 00-1613 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1613)**

05 05 23 00-1615 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.12	
05 05 23 00-1616 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.54	
05 05 23 00-1617 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.65	
05 05 23 00-1618 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.70	
05 05 23 00-1619 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	11.17	
05 05 23 00-1620 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	12.03	
05 05 23 00-1621 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	20.39	
05 05 23 00-1622 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.03	
05 05 23 00-1623 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.56	
05 05 23 00-1624 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	18.97	
05 05 23 00-1625 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	19.44	
05 05 23 00-1626 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	21.11	
05 05 23 00-1627 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.10	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1629 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.20	
05 05 23 00-1630 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	12.87	
05 05 23 00-1631 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.53	
05 05 23 00-1632 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	15.45	
05 05 23 00-1633 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	20.00	
05 05 23 00-1634 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	22.02	
05 05 23 00-1635 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	24.02	
05 05 23 00-1636 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.63	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1638 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	16.56	
05 05 23 00-1639 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	18.61	
05 05 23 00-1640 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	21.64	
05 05 23 00-1641 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	27.57	
05 05 23 00-1642 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	30.74	
05 05 23 00-1643 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	33.90	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0002		Beams, Girders And Columns (05 12 23 00-0001) Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,193.99 588.46 2,059.61 -625.24 -1,287.26 -1,838.94 -919.47	1,371.93
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,983.00 482.95 1,690.34 -513.14 -1,056.46 -1,509.23 -754.62	886.85
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,891.66 428.76 1,500.66 -455.56 -937.91 -1,339.87 -669.94	498.91
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	3,947.66 293.11 1,025.88 -311.43 -641.17 -915.96 -457.98	265.56
05 12 23 00-0007		Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,408.43 513.10 1,795.84 -545.17 -1,122.40 -1,603.43 -801.72	933.02
05 12 23 00-0009		Shapes (05 12 23 00-0001)		
05 12 23 00-0010		Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	14,873.42 849.82 2,974.37 -902.93 -1,858.98 -2,655.69 -1,327.84	2,550.40
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,999.99 812.94 2,845.29 -863.75 -1,778.31 -2,540.44 -1,270.22	1,496.72
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,885.07 715.13 2,502.96 -759.83 -1,564.35 -2,234.79 -1,117.39	886.85
05 12 23 00-0014		Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	16,310.38 836.99 2,929.47 -889.30 -1,830.92 -2,615.60 -1,307.80	3,492.34
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,859.69 801.72 2,806.01 -851.82 -1,753.76 -2,505.37 -1,252.68	2,660.84

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0017	TON		>20 To 58 Lb./LF Rolled C, MC Steel Channels	9,724.73	886.85
			For ASTM A242 Type 2 High Strength Steel, Add	702.30	
			For Hot Dip Galvanizing, Add	2,458.06	
			For >10 To 25 Tons, Deduct	-746.20	
			For >25 To 50 Tons, Deduct	-1,536.29	
			For >50 To 75 Tons, Deduct	-2,194.70	
			For >75 Tons, Deduct	-1,097.35	
05 12 23 00-0018			Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019	TON		Up To 20 Lb./LF Double L Shape Steel Angles	13,764.13	2,023.57
			For ASTM A242 Type 2 High Strength Steel, Add	817.75	
			For Hot Dip Galvanizing, Add	2,862.13	
			For >10 To 25 Tons, Deduct	-868.86	
			For >25 To 50 Tons, Deduct	-1,788.83	
			For >50 To 75 Tons, Deduct	-2,555.47	
			For >75 Tons, Deduct	-1,277.74	
05 12 23 00-0020	TON		>20 To 50 Lb./LF Double L Shape Steel Angles	10,566.53	886.85
			For ASTM A242 Type 2 High Strength Steel, Add	769.65	
			For Hot Dip Galvanizing, Add	2,693.77	
			For >10 To 25 Tons, Deduct	-817.75	
			For >25 To 50 Tons, Deduct	-1,683.61	
			For >50 To 75 Tons, Deduct	-2,405.15	
			For >75 Tons, Deduct	-1,202.58	
05 12 23 00-0021	TON		>50 To 80 Lb./LF Double L Shape Steel Angles	7,948.05	498.91
			For ASTM A242 Type 2 High Strength Steel, Add	593.27	
			For Hot Dip Galvanizing, Add	2,076.45	
			For >10 To 25 Tons, Deduct	-630.35	
			For >25 To 50 Tons, Deduct	-1,297.78	
			For >50 To 75 Tons, Deduct	-1,853.97	
			For >75 Tons, Deduct	-926.99	
05 12 23 00-0022	TON		>80 To 115 Lb./LF Double L Shape Steel Angles	5,093.68	265.95
			For ASTM A242 Type 2 High Strength Steel, Add	384.82	
			For Hot Dip Galvanizing, Add	1,346.88	
			For >10 To 25 Tons, Deduct	-408.88	
			For >25 To 50 Tons, Deduct	-841.80	
			For >50 To 75 Tons, Deduct	-1,202.58	
			For >75 Tons, Deduct	-601.29	
05 12 23 00-0023			Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024	TON		Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	12,458.83	1,496.72
			For ASTM A242 Type 2 High Strength Steel, Add	769.65	
			For Hot Dip Galvanizing, Add	2,693.77	
			For >10 To 25 Tons, Deduct	-817.75	
			For >25 To 50 Tons, Deduct	-1,683.61	
			For >50 To 75 Tons, Deduct	-2,405.15	
			For >75 Tons, Deduct	-1,202.58	
05 12 23 00-0025	TON		>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,301.82	886.85
			For ASTM A242 Type 2 High Strength Steel, Add	588.46	
			For Hot Dip Galvanizing, Add	2,059.61	
			For >10 To 25 Tons, Deduct	-625.24	
			For >25 To 50 Tons, Deduct	-1,287.26	
			For >50 To 75 Tons, Deduct	-1,838.94	
			For >75 Tons, Deduct	-919.47	
05 12 23 00-0026	TON		>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	6,545.04	498.91
			For ASTM A242 Type 2 High Strength Steel, Add	481.03	
			For Hot Dip Galvanizing, Add	1,683.60	
			For >10 To 25 Tons, Deduct	-511.09	
			For >25 To 50 Tons, Deduct	-1,052.25	
			For >50 To 75 Tons, Deduct	-1,503.22	
			For >75 Tons, Deduct	-751.61	
05 12 23 00-0027	TON		>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	4,813.52	265.56
			For ASTM A242 Type 2 High Strength Steel, Add	362.38	
			For Hot Dip Galvanizing, Add	1,268.32	
			For >10 To 25 Tons, Deduct	-385.02	
			For >25 To 50 Tons, Deduct	-792.70	
			For >50 To 75 Tons, Deduct	-1,132.43	
			For >75 Tons, Deduct	-566.21	
05 12 23 00-0028			Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029			Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030	TON		Up To 30 Lb./LF Combination Section - W Shapes And Angles	11,837.49	1,496.72
			For ASTM A242 Type 2 High Strength Steel, Add	719.94	
			For Hot Dip Galvanizing, Add	2,519.79	
			For >10 To 25 Tons, Deduct	-764.94	
			For >25 To 50 Tons, Deduct	-1,574.87	
			For >50 To 75 Tons, Deduct	-2,249.82	
			For >75 Tons, Deduct	-1,124.91	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,361.96 593.27 2,076.45 -630.35 -1,297.78 -1,853.97 -926.99	886.85
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,043.97 440.94 1,543.30 -468.50 -964.57 -1,377.95 -688.98	498.91
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,213.94 394.44 1,380.56 -419.10 -862.85 -1,232.64 -616.32	265.56
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	4,491.24 347.95 1,217.81 -369.69 -761.13 -1,087.33 -543.67	133.31
05 12 23 00-0035		Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,041.26 567.62 1,986.65 -603.09 -1,241.66 -1,773.80 -886.90	886.85
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,064.01 442.55 1,548.92 -470.21 -968.07 -1,382.96 -691.48	498.91
05 12 23 00-0038		Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	12,458.83 769.65 2,693.77 -817.75 -1,683.61 -2,405.15 -1,202.58	1,496.72
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,762.81 625.34 2,188.69 -664.42 -1,367.93 -1,954.19 -977.09	886.85
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,204.31 453.77 1,588.20 -482.13 -992.62 -1,418.04 -709.02	498.91
05 12 23 00-0042		Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,104.85 500.27 1,750.95 -531.54 -1,094.34 -1,563.35 -781.67	798.25
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,598.33 522.72 1,829.52 -555.39 -1,143.45 -1,633.50 -816.75	997.81

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0045	Temporary Steel Support For Structures (05 12 23 00-0001) Note: Includes removal after use.				
05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures		10,193.99	
		Note: For all stock sections.			
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures		6,983.00	
		Note: For all stock sections.			
05 12 23 00-0048	Structural Steel Shapes (05 12 23) Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.				
05 12 23 00-0049	Steel Rods (05 12 23 00-0048)				
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid.....	7,640.14		623.70
		For ASTM A242 Type 2 High Strength Steel, Add		557.99	
		For Hot Dip Galvanizing, Add		1,952.98	
		For >10 To 25 Tons, Deduct		-592.87	
		For >25 To 50 Tons, Deduct		-1,220.61	
		For >50 To 75 Tons, Deduct		-1,743.73	
		For >75 Tons, Deduct		-871.87	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid.....	8,762.81		886.85
		For ASTM A242 Type 2 High Strength Steel, Add		625.34	
		For Hot Dip Galvanizing, Add		2,188.69	
		For >10 To 25 Tons, Deduct		-664.42	
		For >25 To 50 Tons, Deduct		-1,367.93	
		For >50 To 75 Tons, Deduct		-1,954.19	
		For >75 Tons, Deduct		-977.09	
05 12 23 00-0052	Column Base Plates (05 12 23 00-0048)				
05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items.....	3.86		0.81
		For ASTM A242 Type 2 High Strength Steel, Add		0.24	
		For Hot Dip Galvanizing, Add		0.84	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.63		0.68
		For ASTM A242 Type 2 High Strength Steel, Add		0.23	
		For Hot Dip Galvanizing, Add		0.80	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items.....	6,963.60		715.85
		For ASTM A242 Type 2 High Strength Steel, Add		496.00	
		For Hot Dip Galvanizing, Add		1,736.01	
		For >10 To 25 Tons, Deduct		-527.00	
		For >25 To 50 Tons, Deduct		-1,085.00	
		For >50 To 75 Tons, Deduct		-1,550.01	
		For >75 Tons, Deduct		-775.00	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	4,942.55		429.51
		For ASTM A242 Type 2 High Strength Steel, Add		358.75	
		For Hot Dip Galvanizing, Add		1,255.63	
		For >10 To 25 Tons, Deduct		-381.17	
		For >25 To 50 Tons, Deduct		-784.77	
		For >50 To 75 Tons, Deduct		-1,121.10	
		For >75 Tons, Deduct		-560.55	
05 12 23 00-0057	Double Extra Strong Pipes (05 12 23 00-0048)				
05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	9,193.46		1,140.30
		For ASTM A242 Type 2 High Strength Steel, Add		638.17	
		For Hot Dip Galvanizing, Add		2,233.58	
		For >10 To 25 Tons, Deduct		-678.05	
		For >25 To 50 Tons, Deduct		-1,395.99	
		For >50 To 75 Tons, Deduct		-1,994.27	
		For >75 Tons, Deduct		-997.14	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	8,632.06		613.99
		For ASTM A242 Type 2 High Strength Steel, Add		638.17	
		For Hot Dip Galvanizing, Add		2,233.58	
		For >10 To 25 Tons, Deduct		-678.05	
		For >25 To 50 Tons, Deduct		-1,395.99	
		For >50 To 75 Tons, Deduct		-1,994.27	
		For >75 Tons, Deduct		-997.14	
05 12 23 00-0060	Structural Pipes (05 12 23 00-0048)				
05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	6,422.63		526.85
		For ASTM A242 Type 2 High Strength Steel, Add		448.96	
		For Hot Dip Galvanizing, Add		1,571.37	
		For >10 To 25 Tons, Deduct		-477.02	
		For >25 To 50 Tons, Deduct		-982.10	
		For >50 To 75 Tons, Deduct		-1,403.01	
		For >75 Tons, Deduct		-701.50	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	6,952.49	607.60
		For ASTM A242 Type 2 High Strength Steel, Add	448.96	
		For Hot Dip Galvanizing, Add	1,571.37	
		For >10 To 25 Tons, Deduct	-477.02	
		For >25 To 50 Tons, Deduct	-982.10	
		For >50 To 75 Tons, Deduct	-1,403.01	
		For >75 Tons, Deduct	-701.50	
05 12 23 00-0063		Structural Tubing (05 12 23 00-0048)		
05 12 23 00-0064		Rectangle Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	10,589.10	532.17
		For ASTM A242 Type 2 High Strength Steel, Add	801.72	
		For Hot Dip Galvanizing, Add	2,806.01	
		For >10 To 25 Tons, Deduct	-851.82	
		For >25 To 50 Tons, Deduct	-1,753.76	
		For >50 To 75 Tons, Deduct	-2,505.37	
		For >75 Tons, Deduct	-1,252.68	
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle.....	10,676.44	613.99
		For ASTM A242 Type 2 High Strength Steel, Add	801.72	
		For Hot Dip Galvanizing, Add	2,806.01	
		For >10 To 25 Tons, Deduct	-851.82	
		For >25 To 50 Tons, Deduct	-1,753.76	
		For >50 To 75 Tons, Deduct	-2,505.37	
		For >75 Tons, Deduct	-1,252.68	
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	9,328.01	665.21
		For ASTM A242 Type 2 High Strength Steel, Add	689.48	
		For Hot Dip Galvanizing, Add	2,413.17	
		For >10 To 25 Tons, Deduct	-732.57	
		For >25 To 50 Tons, Deduct	-1,508.23	
		For >50 To 75 Tons, Deduct	-2,154.61	
		For >75 Tons, Deduct	-1,077.31	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	8,868.63	798.25
		For ASTM A242 Type 2 High Strength Steel, Add	641.37	
		For Hot Dip Galvanizing, Add	2,244.81	
		For >10 To 25 Tons, Deduct	-681.46	
		For >25 To 50 Tons, Deduct	-1,403.00	
		For >50 To 75 Tons, Deduct	-2,004.29	
		For >75 Tons, Deduct	-1,002.15	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	8,728.87	886.85
		For ASTM A242 Type 2 High Strength Steel, Add	622.62	
		For Hot Dip Galvanizing, Add	2,179.18	
		For >10 To 25 Tons, Deduct	-661.54	
		For >25 To 50 Tons, Deduct	-1,361.99	
		For >50 To 75 Tons, Deduct	-1,945.70	
		For >75 Tons, Deduct	-972.85	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	8,908.48	1,227.31
		For ASTM A242 Type 2 High Strength Steel, Add	607.95	
		For Hot Dip Galvanizing, Add	2,127.82	
		For >10 To 25 Tons, Deduct	-645.94	
		For >25 To 50 Tons, Deduct	-1,329.88	
		For >50 To 75 Tons, Deduct	-1,899.84	
		For >75 Tons, Deduct	-949.92	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	9,306.85	1,622.44
		For ASTM A242 Type 2 High Strength Steel, Add	606.10	
		For Hot Dip Galvanizing, Add	2,121.34	
		For >10 To 25 Tons, Deduct	-643.98	
		For >25 To 50 Tons, Deduct	-1,325.84	
		For >50 To 75 Tons, Deduct	-1,894.06	
		For >75 Tons, Deduct	-947.03	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	9,546.86	1,772.25
		For ASTM A242 Type 2 High Strength Steel, Add	612.51	
		For Hot Dip Galvanizing, Add	2,143.79	
		For >10 To 25 Tons, Deduct	-650.79	
		For >25 To 50 Tons, Deduct	-1,339.87	
		For >50 To 75 Tons, Deduct	-1,914.10	
		For >75 Tons, Deduct	-957.05	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle.....	9,785.06	1,995.63
		For ASTM A242 Type 2 High Strength Steel, Add	612.51	
		For Hot Dip Galvanizing, Add	2,143.79	
		For >10 To 25 Tons, Deduct	-650.79	
		For >25 To 50 Tons, Deduct	-1,339.87	
		For >50 To 75 Tons, Deduct	-1,914.10	
		For >75 Tons, Deduct	-957.05	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle.....	10,414.44	2,660.84
		For ASTM A242 Type 2 High Strength Steel, Add	606.10	
		For Hot Dip Galvanizing, Add	2,121.34	
		For >10 To 25 Tons, Deduct	-643.98	
		For >25 To 50 Tons, Deduct	-1,325.84	
		For >50 To 75 Tons, Deduct	-1,894.06	
		For >75 Tons, Deduct	-947.03	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle.....	11,847.78	4,192.54	
		For ASTM A242 Type 2 High Strength Steel, Add	590.06		
		For Hot Dip Galvanizing, Add	2,065.22		
		For >10 To 25 Tons, Deduct	-626.94		
		For >25 To 50 Tons, Deduct	-1,290.76		
		For >50 To 75 Tons, Deduct	-1,843.95		
		For >75 Tons, Deduct	-921.97		
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle.....	13,572.47	6,121.65	
		For ASTM A242 Type 2 High Strength Steel, Add	563.42		
		For Hot Dip Galvanizing, Add	1,971.99		
		For >10 To 25 Tons, Deduct	-598.64		
		For >25 To 50 Tons, Deduct	-1,232.49		
		For >50 To 75 Tons, Deduct	-1,760.70		
		For >75 Tons, Deduct	-880.35		
05 12 23 00-0077	Square Structural Tubing (05 12 23 00-0063)				
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square.....	10,553.63	498.91	
		For ASTM A242 Type 2 High Strength Steel, Add	801.72		
		For Hot Dip Galvanizing, Add	2,806.01		
		For >10 To 25 Tons, Deduct	-851.82		
		For >25 To 50 Tons, Deduct	-1,753.76		
		For >50 To 75 Tons, Deduct	-2,505.37		
		For >75 Tons, Deduct	-1,252.68		
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square.....	10,589.10	532.17	
		For ASTM A242 Type 2 High Strength Steel, Add	801.72		
		For Hot Dip Galvanizing, Add	2,806.01		
		For >10 To 25 Tons, Deduct	-851.82		
		For >25 To 50 Tons, Deduct	-1,753.76		
		For >50 To 75 Tons, Deduct	-2,505.37		
		For >75 Tons, Deduct	-1,252.68		
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square.....	9,528.44	665.21	
		For ASTM A242 Type 2 High Strength Steel, Add	705.51		
		For Hot Dip Galvanizing, Add	2,469.29		
		For >10 To 25 Tons, Deduct	-749.60		
		For >25 To 50 Tons, Deduct	-1,543.30		
		For >50 To 75 Tons, Deduct	-2,204.72		
		For >75 Tons, Deduct	-1,102.36		
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square.....	9,469.91	798.25	
		For ASTM A242 Type 2 High Strength Steel, Add	689.48		
		For Hot Dip Galvanizing, Add	2,413.17		
		For >10 To 25 Tons, Deduct	-732.57		
		For >25 To 50 Tons, Deduct	-1,508.23		
		For >50 To 75 Tons, Deduct	-2,154.61		
		For >75 Tons, Deduct	-1,077.31		
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square.....	7,638.42	997.81	
		For ASTM A242 Type 2 High Strength Steel, Add	525.93		
		For Hot Dip Galvanizing, Add	1,840.74		
		For >10 To 25 Tons, Deduct	-558.80		
		For >25 To 50 Tons, Deduct	-1,150.46		
		For >50 To 75 Tons, Deduct	-1,643.52		
		For >75 Tons, Deduct	-821.76		
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square.....	7,790.46	1,140.30	
		For ASTM A242 Type 2 High Strength Steel, Add	525.93		
		For Hot Dip Galvanizing, Add	1,840.74		
		For >10 To 25 Tons, Deduct	-558.80		
		For >25 To 50 Tons, Deduct	-1,150.46		
		For >50 To 75 Tons, Deduct	-1,643.52		
		For >75 Tons, Deduct	-821.76		
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square.....	8,277.01	1,596.50	
		For ASTM A242 Type 2 High Strength Steel, Add	525.93		
		For Hot Dip Galvanizing, Add	1,840.74		
		For >10 To 25 Tons, Deduct	-558.80		
		For >25 To 50 Tons, Deduct	-1,150.46		
		For >50 To 75 Tons, Deduct	-1,643.52		
		For >75 Tons, Deduct	-821.76		
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square.....	8,823.00	1,995.63	
		For ASTM A242 Type 2 High Strength Steel, Add	535.55		
		For Hot Dip Galvanizing, Add	1,874.41		
		For >10 To 25 Tons, Deduct	-569.02		
		For >25 To 50 Tons, Deduct	-1,171.51		
		For >50 To 75 Tons, Deduct	-1,673.58		
		For >75 Tons, Deduct	-836.79		
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square.....	10,614.88	2,660.84	
		For ASTM A242 Type 2 High Strength Steel, Add	622.13		
		For Hot Dip Galvanizing, Add	2,177.46		
		For >10 To 25 Tons, Deduct	-661.02		
		For >25 To 50 Tons, Deduct	-1,360.91		
		For >50 To 75 Tons, Deduct	-1,944.16		
		For >75 Tons, Deduct	-972.08		
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square.....	12,033.98	3,991.25	
		For ASTM A242 Type 2 High Strength Steel, Add	622.13		
		For Hot Dip Galvanizing, Add	2,177.46		
		For >10 To 25 Tons, Deduct	-661.02		
		For >25 To 50 Tons, Deduct	-1,360.91		
		For >50 To 75 Tons, Deduct	-1,944.16		
		For >75 Tons, Deduct	-972.08		



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	11,691.20 535.55 1,874.41 -569.02 -1,171.51 -1,673.58 -836.79	4,684.53
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	14,145.97 609.30 2,132.57 -647.39 -1,332.85 -1,904.08 -952.04	6,121.65
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	16,291.32 622.13 2,177.46 -661.02 -1,360.91 -1,944.16 -972.08	7,982.50
05 12 23 00-0091		Galvanized Steel Pipe Tubing (05 12 23 00-0063) Note: ASTM A53 Grade B		
05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	40.71	5.82
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	44.93	6.93
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	50.48	9.21
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	54.58	10.26
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	57.26	11.09
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	64.80	13.86
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	72.35	16.63
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	80.01	19.96
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	90.88	24.40
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	108.41	31.05
05 12 23 00-0102		Structural Shapes (05 12 23 00-0048)		
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 Lb./LF, Deduct</i> <i>For >50 To 75 Lb./LF, Deduct</i> <i>For >75 To 100 Lb./LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	8,426.70 310.53 1,086.85 -1,069.93 -1,718.52 -2,367.11 -329.94 -679.28 -970.40 -485.20	2,863.42
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel	7,936.96	1,145.37
		Note: Up to 21.5 Lb. per SF		
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 Lb./LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	513.11 1,795.88 -869.85 -545.18 -1,122.43 -1,603.47 -801.73	
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports.....	4.62	0.26
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports.....	5.62	0.26
05 12 23 00-0107		Built-Up Trusses (05 12 23 00-0048)		
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	8,583.21	399.12
		<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	-693.38 -1,427.56 -2,039.37 -1,019.68	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up.....	8,474.16	221.65
		<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	-700.20 -1,441.59 -2,059.41 -1,029.71	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up.....	7,541.10	117.34
		<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	-630.35 -1,297.78 -1,853.97 -926.99	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up.....	7,333.71	110.96
		<i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 To 75 Tons, Deduct</i> <i>For >75 Tons, Deduct</i>	-613.31 -1,262.70 -1,803.86 -901.93	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0112		Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048)		
		Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	29.09	8.25
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	43.64	12.33
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	58.19	16.45
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	72.73	20.55
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	87.29	24.54
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	101.83	28.77
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	116.38	32.88
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	130.93	36.99
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	145.47	41.11
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	160.02	45.22
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	174.57	49.33
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	189.11	53.44
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	203.67	57.54
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	218.23	61.65
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	232.77	65.77
05 12 23 00-0128		Accessories For Steel (05 12 23)		
05 12 23 00-0129		Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0128)		
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.42	
05 12 23 00-0131		Connection And Stiffener Plates (05 12 23 00-0128)		
		Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	18,516.20	
		For >10 To 25 Tons, Deduct	-1,573.88	
		For >25 To 50 Tons, Deduct	-3,240.34	
		For >50 To 75 Tons, Deduct	-4,629.05	
		For >75 Tons, Deduct	-2,314.53	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	15,797.95	
		For >10 To 25 Tons, Deduct	-1,342.83	
		For >25 To 50 Tons, Deduct	-2,764.64	
		For >50 To 75 Tons, Deduct	-3,949.49	
		For >75 Tons, Deduct	-1,974.74	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	12,216.88	
		For >10 To 25 Tons, Deduct	-1,038.43	
		For >25 To 50 Tons, Deduct	-2,137.95	
		For >50 To 75 Tons, Deduct	-3,054.22	
		For >75 Tons, Deduct	-1,527.11	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	11,453.32	
		For >10 To 25 Tons, Deduct	-973.53	
		For >25 To 50 Tons, Deduct	-2,004.33	
		For >50 To 75 Tons, Deduct	-2,863.33	
		For >75 Tons, Deduct	-1,431.67	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	11,453.32	
		For >10 To 25 Tons, Deduct	-973.53	
		For >25 To 50 Tons, Deduct	-2,004.33	
		For >50 To 75 Tons, Deduct	-2,863.33	
		For >75 Tons, Deduct	-1,431.67	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	11,453.32	
		For >10 To 25 Tons, Deduct	-973.53	
		For >25 To 50 Tons, Deduct	-2,004.33	
		For >50 To 75 Tons, Deduct	-2,863.33	
		For >75 Tons, Deduct	-1,431.67	



Metals			05	05
Structural Metal Framing			05 10	
Structural Steel Framing			05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0143			Field Applied Cold Galvanizing (05 12 23 00-0128)		
05 12 23 00-0144	SF		Brush Applied Cold Galvanizing	1.92	
05 12 23 00-0145			Metal Grinding (05 12 23 00-0128)		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.15	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147			Structural Steel For Buildings And Structures (05 12 23)		
			Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148			First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0147)		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149	LF		W14 x 730 A992/A36 Structural Column	1,543.98	79.42
			For Hot Dip Galvanizing, Add	404.96	
			For High Strength Low Alloy A572-50 Steel, Add	138.96	
			For High Strength Low Alloy A588 Grade B Steel, Add	308.80	
05 12 23 00-0150	LF		W14 x 665 A992/A36 Structural Column	1,408.29	74.03
			For Hot Dip Galvanizing, Add	368.90	
			For High Strength Low Alloy A572-50 Steel, Add	126.75	
			For High Strength Low Alloy A588 Grade B Steel, Add	281.66	
05 12 23 00-0151	LF		W14 x 605 A992/A36 Structural Column	1,282.91	68.90
			For Hot Dip Galvanizing, Add	335.62	
			For High Strength Low Alloy A572-50 Steel, Add	115.46	
			For High Strength Low Alloy A588 Grade B Steel, Add	256.58	
05 12 23 00-0152	LF		W14 x 550 A992/A36 Structural Column	1,167.82	64.09
			For Hot Dip Galvanizing, Add	305.11	
			For High Strength Low Alloy A572-50 Steel, Add	105.10	
			For High Strength Low Alloy A588 Grade B Steel, Add	233.56	
05 12 23 00-0153	LF		W14 x 500 A992/A36 Structural Column	1,073.35	69.18
			For Hot Dip Galvanizing, Add	277.37	
			For High Strength Low Alloy A572-50 Steel, Add	96.60	
			For High Strength Low Alloy A588 Grade B Steel, Add	214.67	
05 12 23 00-0154	LF		W14 x 426 A992/A36 Structural Column	915.97	60.40
			For Hot Dip Galvanizing, Add	236.32	
			For High Strength Low Alloy A572-50 Steel, Add	82.44	
			For High Strength Low Alloy A588 Grade B Steel, Add	183.19	
05 12 23 00-0155	LF		W14 x 342 A992/A36 Structural Column	741.09	52.28
			For Hot Dip Galvanizing, Add	190.20	
			For High Strength Low Alloy A572-50 Steel, Add	66.70	
			For High Strength Low Alloy A588 Grade B Steel, Add	148.22	
05 12 23 00-0156	LF		W14 x 311 A992/A36 Structural Column	667.69	48.82
			For Hot Dip Galvanizing, Add	170.83	
			For High Strength Low Alloy A572-50 Steel, Add	60.09	
			For High Strength Low Alloy A588 Grade B Steel, Add	133.54	
05 12 23 00-0157	LF		W14 x 283 A992/A36 Structural Column	606.24	46.04
			For Hot Dip Galvanizing, Add	154.63	
			For High Strength Low Alloy A572-50 Steel, Add	54.56	
			For High Strength Low Alloy A588 Grade B Steel, Add	121.25	
05 12 23 00-0158	LF		W14 x 257 A992/A36 Structural Column	533.25	43.63
			For Hot Dip Galvanizing, Add	135.07	
			For High Strength Low Alloy A572-50 Steel, Add	47.99	
			For High Strength Low Alloy A588 Grade B Steel, Add	106.65	
05 12 23 00-0159	LF		W14 x 233 A992/A36 Structural Column	490.79	40.58
			For Hot Dip Galvanizing, Add	124.20	
			For High Strength Low Alloy A572-50 Steel, Add	44.17	
			For High Strength Low Alloy A588 Grade B Steel, Add	98.16	
05 12 23 00-0160	LF		W14 x 211 A992/A36 Structural Column	436.76	37.78
			For Hot Dip Galvanizing, Add	110.01	
			For High Strength Low Alloy A572-50 Steel, Add	39.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	87.35	
05 12 23 00-0161	LF		W14 x 193 A992/A36 Structural Column	395.24	35.92
			For Hot Dip Galvanizing, Add	99.05	
			For High Strength Low Alloy A572-50 Steel, Add	35.57	
			For High Strength Low Alloy A588 Grade B Steel, Add	79.05	
05 12 23 00-0162	LF		W14 x 176 A992/A36 Structural Column	356.46	34.32
			For Hot Dip Galvanizing, Add	88.76	
			For High Strength Low Alloy A572-50 Steel, Add	32.08	
			For High Strength Low Alloy A588 Grade B Steel, Add	71.29	
05 12 23 00-0163	LF		W14 x 159 A992/A36 Structural Column	322.55	33.13
			For Hot Dip Galvanizing, Add	79.72	
			For High Strength Low Alloy A572-50 Steel, Add	29.03	
			For High Strength Low Alloy A588 Grade B Steel, Add	64.51	
05 12 23 00-0164	LF		W14 x 145 A992/A36 Structural Column	311.72	32.06
			For Hot Dip Galvanizing, Add	77.01	
			For High Strength Low Alloy A572-50 Steel, Add	28.05	
			For High Strength Low Alloy A588 Grade B Steel, Add	62.34	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165	LF	W14 x 132 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	266.96 65.03 24.03 53.39	30.60
05 12 23 00-0166	LF	W14 x 120 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	250.45 60.68 22.54 50.09	29.80
05 12 23 00-0167	LF	W14 x 109 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	224.47 53.84 20.20 44.89	28.60
05 12 23 00-0168	LF	W14 x 99 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	205.02 48.70 18.45 41.00	27.81
05 12 23 00-0169	LF	W14 x 90 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	190.64 44.89 17.16 38.13	27.14
05 12 23 00-0170	LF	W14 x 82 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	175.77 40.99 15.82 35.15	26.34
05 12 23 00-0171	LF	W14 x 74 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	158.93 36.53 14.30 31.79	25.68
05 12 23 00-0172	LF	W14 x 68 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	148.60 33.78 13.37 29.72	25.28
05 12 23 00-0173	LF	W14 x 61 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	135.70 30.38 12.21 27.14	24.61
05 12 23 00-0174	LF	W14 x 53 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	123.79 27.26 11.14 24.76	23.95
05 12 23 00-0175	LF	W14 x 48 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	116.12 25.24 10.45 23.22	23.55
05 12 23 00-0176	LF	W14 x 43 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	104.99 22.31 9.45 21.00	23.14
05 12 23 00-0177	LF	W12 x 336 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	703.98 184.89 63.36 140.80	35.37
05 12 23 00-0178	LF	W12 x 305 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	641.77 167.83 57.76 128.35	34.67
05 12 23 00-0179	LF	W12 x 279 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	589.76 153.53 53.08 117.95	34.25
05 12 23 00-0180	LF	W12 x 252 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	535.31 138.67 48.18 107.06	33.39
05 12 23 00-0181	LF	W12 x 230 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	491.18 126.56 44.21 98.24	32.91
05 12 23 00-0182	LF	W12 x 210 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	451.02 115.56 40.59 90.20	32.45
05 12 23 00-0183	LF	W12 x 190 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	416.02 104.55 37.44 83.20	36.72
05 12 23 00-0184	LF	W12 x 170 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	376.20 93.88 33.86 75.24	35.65
05 12 23 00-0185	LF	W12 x 152 A992/A36	Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	339.25 84.36 30.53 67.85	33.13



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR		UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI				UNIT COST	UNIT COST
05 12 23 00-0186	LF		W12 x 136 A992/A36 Structural Column	322.60	32.19
			For Hot Dip Galvanizing, Add	80.00	
			For High Strength Low Alloy A572-50 Steel, Add	29.03	
			For High Strength Low Alloy A588 Grade B Steel, Add	64.52	
05 12 23 00-0187	LF		W12 x 120 A992/A36 Structural Column	244.86	29.54
			For Hot Dip Galvanizing, Add	59.16	
			For High Strength Low Alloy A572-50 Steel, Add	22.04	
			For High Strength Low Alloy A588 Grade B Steel, Add	48.97	
05 12 23 00-0188	LF		W12 x 106 A992/A36 Structural Column	225.79	28.60
			For Hot Dip Galvanizing, Add	54.20	
			For High Strength Low Alloy A572-50 Steel, Add	20.32	
			For High Strength Low Alloy A588 Grade B Steel, Add	45.16	
05 12 23 00-0189	LF		W12 x 96 A992/A36 Structural Column	202.25	27.67
			For Hot Dip Galvanizing, Add	47.96	
			For High Strength Low Alloy A572-50 Steel, Add	18.20	
			For High Strength Low Alloy A588 Grade B Steel, Add	40.45	
05 12 23 00-0190	LF		W12 x 87 A992/A36 Structural Column	186.72	26.74
			For Hot Dip Galvanizing, Add	43.88	
			For High Strength Low Alloy A572-50 Steel, Add	16.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	37.34	
05 12 23 00-0191	LF		W12 x 79 A992/A36 Structural Column	164.12	25.94
			For Hot Dip Galvanizing, Add	37.86	
			For High Strength Low Alloy A572-50 Steel, Add	14.77	
			For High Strength Low Alloy A588 Grade B Steel, Add	32.82	
05 12 23 00-0192	LF		W12 x 72 A992/A36 Structural Column	150.39	25.28
			For Hot Dip Galvanizing, Add	34.24	
			For High Strength Low Alloy A572-50 Steel, Add	13.54	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.08	
05 12 23 00-0193	LF		W12 x 65 A992/A36 Structural Column	137.65	24.74
			For Hot Dip Galvanizing, Add	30.89	
			For High Strength Low Alloy A572-50 Steel, Add	12.39	
			For High Strength Low Alloy A588 Grade B Steel, Add	27.53	
05 12 23 00-0194	LF		W12 x 58 A992/A36 Structural Column	133.25	24.48
			For Hot Dip Galvanizing, Add	29.74	
			For High Strength Low Alloy A572-50 Steel, Add	11.99	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.65	
05 12 23 00-0195	LF		W12 x 53 A992/A36 Structural Column	123.79	23.95
			For Hot Dip Galvanizing, Add	27.26	
			For High Strength Low Alloy A572-50 Steel, Add	11.14	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.76	
05 12 23 00-0196	LF		W12 x 50 A992/A36 Structural Column	120.03	23.82
			For Hot Dip Galvanizing, Add	26.25	
			For High Strength Low Alloy A572-50 Steel, Add	10.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.01	
05 12 23 00-0197	LF		W12 x 45 A992/A36 Structural Column	109.23	23.28
			For Hot Dip Galvanizing, Add	23.41	
			For High Strength Low Alloy A572-50 Steel, Add	9.83	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.85	
05 12 23 00-0198	LF		W12 x 40 A992/A36 Structural Column	98.12	22.75
			For Hot Dip Galvanizing, Add	20.47	
			For High Strength Low Alloy A572-50 Steel, Add	8.83	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.62	
05 12 23 00-0199	LF		W10 x 112 A992/A36 Structural Column	236.09	29.14
			For Hot Dip Galvanizing, Add	56.91	
			For High Strength Low Alloy A572-50 Steel, Add	21.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	47.22	
05 12 23 00-0200	LF		W10 x 110 A992/A36 Structural Column	213.72	27.94
			For Hot Dip Galvanizing, Add	51.04	
			For High Strength Low Alloy A572-50 Steel, Add	19.23	
			For High Strength Low Alloy A588 Grade B Steel, Add	42.74	
05 12 23 00-0201	LF		W10 x 88 A992/A36 Structural Column	192.30	27.00
			For Hot Dip Galvanizing, Add	45.39	
			For High Strength Low Alloy A572-50 Steel, Add	17.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	38.46	
05 12 23 00-0202	LF		W10 x 77 A992/A36 Structural Column	171.23	25.94
			For Hot Dip Galvanizing, Add	39.84	
			For High Strength Low Alloy A572-50 Steel, Add	15.41	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.25	
05 12 23 00-0203	LF		W10 x 68 A992/A36 Structural Column	154.39	25.28
			For Hot Dip Galvanizing, Add	35.39	
			For High Strength Low Alloy A572-50 Steel, Add	13.90	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.88	
05 12 23 00-0204	LF		W10 x 60 A992/A36 Structural Column	135.70	24.61
			For Hot Dip Galvanizing, Add	30.38	
			For High Strength Low Alloy A572-50 Steel, Add	12.21	
			For High Strength Low Alloy A588 Grade B Steel, Add	27.14	
05 12 23 00-0205	LF		W10 x 54 A992/A36 Structural Column	134.77	24.21
			For Hot Dip Galvanizing, Add	30.20	
			For High Strength Low Alloy A572-50 Steel, Add	12.13	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.95	
05 12 23 00-0206	LF		W10 x 49 A992/A36 Structural Column	118.56	23.82
			For Hot Dip Galvanizing, Add	25.89	
			For High Strength Low Alloy A572-50 Steel, Add	10.67	
			For High Strength Low Alloy A588 Grade B Steel, Add	23.71	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	114.49		23.42
		For Hot Dip Galvanizing, Add	24.83		
		For High Strength Low Alloy A572-50 Steel, Add	10.30		
		For High Strength Low Alloy A588 Grade B Steel, Add	22.90		
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	99.90		23.01
		For Hot Dip Galvanizing, Add	20.93		
		For High Strength Low Alloy A572-50 Steel, Add	8.99		
		For High Strength Low Alloy A588 Grade B Steel, Add	19.98		
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	87.33		22.35
		For Hot Dip Galvanizing, Add	17.62		
		For High Strength Low Alloy A572-50 Steel, Add	7.86		
		For High Strength Low Alloy A588 Grade B Steel, Add	17.47		
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	148.77		25.28
		For Hot Dip Galvanizing, Add	33.83		
		For High Strength Low Alloy A572-50 Steel, Add	13.39		
		For High Strength Low Alloy A588 Grade B Steel, Add	29.75		
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	133.75		24.48
		For Hot Dip Galvanizing, Add	29.88		
		For High Strength Low Alloy A572-50 Steel, Add	12.04		
		For High Strength Low Alloy A588 Grade B Steel, Add	26.75		
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	119.89		23.82
		For Hot Dip Galvanizing, Add	26.25		
		For High Strength Low Alloy A572-50 Steel, Add	10.79		
		For High Strength Low Alloy A588 Grade B Steel, Add	23.98		
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	103.17		23.14
		For Hot Dip Galvanizing, Add	21.80		
		For High Strength Low Alloy A572-50 Steel, Add	9.29		
		For High Strength Low Alloy A588 Grade B Steel, Add	20.63		
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	93.38		22.62
		For Hot Dip Galvanizing, Add	19.23		
		For High Strength Low Alloy A572-50 Steel, Add	8.40		
		For High Strength Low Alloy A588 Grade B Steel, Add	18.68		
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	85.51		22.35
		For Hot Dip Galvanizing, Add	17.12		
		For High Strength Low Alloy A572-50 Steel, Add	7.70		
		For High Strength Low Alloy A588 Grade B Steel, Add	17.10		
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	80.61		22.09
		For Hot Dip Galvanizing, Add	15.83		
		For High Strength Low Alloy A572-50 Steel, Add	7.25		
		For High Strength Low Alloy A588 Grade B Steel, Add	16.12		
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	74.73		21.82
		For Hot Dip Galvanizing, Add	14.27		
		For High Strength Low Alloy A572-50 Steel, Add	6.73		
		For High Strength Low Alloy A588 Grade B Steel, Add	14.95		
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	70.81		21.69
		For Hot Dip Galvanizing, Add	13.26		
		For High Strength Low Alloy A572-50 Steel, Add	6.37		
		For High Strength Low Alloy A588 Grade B Steel, Add	14.16		
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	63.44		21.28
		For Hot Dip Galvanizing, Add	11.29		
		For High Strength Low Alloy A572-50 Steel, Add	5.71		
		For High Strength Low Alloy A588 Grade B Steel, Add	12.69		
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	78.37		21.82
		For Hot Dip Galvanizing, Add	15.28		
		For High Strength Low Alloy A572-50 Steel, Add	7.05		
		For High Strength Low Alloy A588 Grade B Steel, Add	15.67		
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	66.54		21.42
		For Hot Dip Galvanizing, Add	12.12		
		For High Strength Low Alloy A572-50 Steel, Add	5.99		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.31		
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	57.28		20.75
		For Hot Dip Galvanizing, Add	9.73		
		For High Strength Low Alloy A572-50 Steel, Add	5.16		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.46		
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	53.81		20.75
		For Hot Dip Galvanizing, Add	8.77		
		For High Strength Low Alloy A572-50 Steel, Add	4.84		
		For High Strength Low Alloy A588 Grade B Steel, Add	10.76		
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	49.38		20.62
		For Hot Dip Galvanizing, Add	7.57		
		For High Strength Low Alloy A572-50 Steel, Add	4.44		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.88		
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	65.55		21.42
		For Hot Dip Galvanizing, Add	11.84		
		For High Strength Low Alloy A572-50 Steel, Add	5.90		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.11		
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	60.50		21.28
		For Hot Dip Galvanizing, Add	10.51		
		For High Strength Low Alloy A572-50 Steel, Add	5.45		
		For High Strength Low Alloy A588 Grade B Steel, Add	12.10		
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	56.75		21.02
		For Hot Dip Galvanizing, Add	9.55		
		For High Strength Low Alloy A572-50 Steel, Add	5.11		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.35		



		Metals	05	
		Structural Metal Framing	05 10	05
		Structural Steel Framing	05 12	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0147)				
Note: Includes material delivery and erection.				
05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	562.38	86.98
		For Hot Dip Galvanizing, Add	130.32	
		For High Strength Low Alloy A572-50 Steel, Add	50.61	
		For High Strength Low Alloy A588 Steel, Add	112.48	
		For Each Additional Top Copes >2, Add	4.70	
		For Structural Tees, WT, MT Or ST, Deduct	-182.92	
		For Skewed Or Sloped Connections, Add	67.49	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	544.73	99.79
		For Hot Dip Galvanizing, Add	121.63	
		For High Strength Low Alloy A572-50 Steel, Add	49.03	
		For High Strength Low Alloy A588 Steel, Add	108.95	
		For Each Additional Top Copes >2, Add	4.38	
		For Structural Tees, WT, MT Or ST, Deduct	-174.69	
		For Skewed Or Sloped Connections, Add	65.37	
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	516.15	98.58
		For Hot Dip Galvanizing, Add	114.07	
		For High Strength Low Alloy A572-50 Steel, Add	46.45	
		For High Strength Low Alloy A588 Steel, Add	103.23	
		For Each Additional Top Copes >2, Add	4.11	
		For Structural Tees, WT, MT Or ST, Deduct	-164.89	
		For Skewed Or Sloped Connections, Add	61.94	
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	479.79	83.83
		For Hot Dip Galvanizing, Add	108.33	
		For High Strength Low Alloy A572-50 Steel, Add	43.18	
		For High Strength Low Alloy A588 Steel, Add	95.96	
		For Each Additional Top Copes >2, Add	3.90	
		For Structural Tees, WT, MT Or ST, Deduct	-154.51	
		For Skewed Or Sloped Connections, Add	57.57	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	464.79	85.02
		For Hot Dip Galvanizing, Add	103.82	
		For High Strength Low Alloy A572-50 Steel, Add	41.83	
		For High Strength Low Alloy A588 Steel, Add	92.96	
		For Each Additional Top Copes >2, Add	3.74	
		For Structural Tees, WT, MT Or ST, Deduct	-149.07	
		For Skewed Or Sloped Connections, Add	55.77	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	443.35	95.39
		For Hot Dip Galvanizing, Add	94.79	
		For High Strength Low Alloy A572-50 Steel, Add	39.90	
		For High Strength Low Alloy A588 Steel, Add	88.67	
		For Each Additional Top Copes >2, Add	3.42	
		For Structural Tees, WT, MT Or ST, Deduct	-139.91	
		For Skewed Or Sloped Connections, Add	53.20	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	416.64	81.31
		For Hot Dip Galvanizing, Add	91.55	
		For High Strength Low Alloy A572-50 Steel, Add	37.50	
		For High Strength Low Alloy A588 Steel, Add	83.33	
		For Each Additional Top Copes >2, Add	3.30	
		For Structural Tees, WT, MT Or ST, Deduct	-132.81	
		For Skewed Or Sloped Connections, Add	50.00	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	395.59	80.72
		For Hot Dip Galvanizing, Add	85.89	
		For High Strength Low Alloy A572-50 Steel, Add	35.60	
		For High Strength Low Alloy A588 Steel, Add	79.12	
		For Each Additional Top Copes >2, Add	3.10	
		For Structural Tees, WT, MT Or ST, Deduct	-125.54	
		For Skewed Or Sloped Connections, Add	47.47	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	374.19	79.79
		For Hot Dip Galvanizing, Add	80.22	
		For High Strength Low Alloy A572-50 Steel, Add	33.68	
		For High Strength Low Alloy A588 Steel, Add	74.84	
		For Each Additional Top Copes >2, Add	2.89	
		For Structural Tees, WT, MT Or ST, Deduct	-118.20	
		For Skewed Or Sloped Connections, Add	44.90	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	370.54	92.34
		For Hot Dip Galvanizing, Add	75.50	
		For High Strength Low Alloy A572-50 Steel, Add	33.35	
		For High Strength Low Alloy A588 Steel, Add	74.11	
		For Each Additional Top Copes >2, Add	2.72	
		For Structural Tees, WT, MT Or ST, Deduct	-114.92	
		For Skewed Or Sloped Connections, Add	44.46	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	355.62	91.66
		For Hot Dip Galvanizing, Add	71.55	
		For High Strength Low Alloy A572-50 Steel, Add	32.01	
		For High Strength Low Alloy A588 Steel, Add	71.12	
		For Each Additional Top Copes >2, Add	2.58	
		For Structural Tees, WT, MT Or ST, Deduct	-109.80	
		For Skewed Or Sloped Connections, Add	42.67	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	334.75	90.87
		For Hot Dip Galvanizing, Add	66.02	
		For High Strength Low Alloy A572-50 Steel, Add	30.13	
		For High Strength Low Alloy A588 Steel, Add	66.95	
		For Each Additional Top Copes >2, Add	2.38	
		For Structural Tees, WT, MT Or ST, Deduct	-102.64	
		For Skewed Or Sloped Connections, Add	40.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0241	LF		W33 x 241 A992/A36 Structural Beam Or Girder	485.99	86.47
			For Hot Dip Galvanizing, Add	109.27	
			For High Strength Low Alloy A572-50 Steel, Add	43.74	
			For High Strength Low Alloy A588 Steel, Add	97.20	
			For Each Additional Top Copes >2, Add	3.94	
			For Structural Tees, WT, MT Or ST, Deduct	-156.26	
			For Skewed Or Sloped Connections, Add	58.32	
05 12 23 00-0242	LF		W33 x 221 A992/A36 Structural Beam Or Girder	451.06	84.34
			For Hot Dip Galvanizing, Add	100.20	
			For High Strength Low Alloy A572-50 Steel, Add	40.60	
			For High Strength Low Alloy A588 Steel, Add	90.21	
			For Each Additional Top Copes >2, Add	3.61	
			For Structural Tees, WT, MT Or ST, Deduct	-144.38	
			For Skewed Or Sloped Connections, Add	54.13	
05 12 23 00-0243	LF		W33 x 201 A992/A36 Structural Beam Or Girder	429.52	94.73
			For Hot Dip Galvanizing, Add	91.13	
			For High Strength Low Alloy A572-50 Steel, Add	38.66	
			For High Strength Low Alloy A588 Steel, Add	85.90	
			For Each Additional Top Copes >2, Add	3.28	
			For Structural Tees, WT, MT Or ST, Deduct	-135.17	
			For Skewed Or Sloped Connections, Add	51.54	
05 12 23 00-0244	LF		W33 x 170 A992/A36 Structural Beam Or Girder	386.57	93.00
			For Hot Dip Galvanizing, Add	79.77	
			For High Strength Low Alloy A572-50 Steel, Add	34.79	
			For High Strength Low Alloy A588 Steel, Add	77.31	
			For Each Additional Top Copes >2, Add	2.87	
			For Structural Tees, WT, MT Or ST, Deduct	-120.43	
			For Skewed Or Sloped Connections, Add	46.39	
05 12 23 00-0245	LF		W33 x 152 A992/A36 Structural Beam Or Girder	350.56	79.54
			For Hot Dip Galvanizing, Add	73.74	
			For High Strength Low Alloy A572-50 Steel, Add	31.55	
			For High Strength Low Alloy A588 Steel, Add	70.11	
			For Each Additional Top Copes >2, Add	2.66	
			For Structural Tees, WT, MT Or ST, Deduct	-109.97	
			For Skewed Or Sloped Connections, Add	42.07	
05 12 23 00-0246	LF		W33 x 141 A992/A36 Structural Beam Or Girder	343.74	91.13
			For Hot Dip Galvanizing, Add	68.40	
			For High Strength Low Alloy A572-50 Steel, Add	30.94	
			For High Strength Low Alloy A588 Steel, Add	68.75	
			For Each Additional Top Copes >2, Add	2.46	
			For Structural Tees, WT, MT Or ST, Deduct	-105.72	
			For Skewed Or Sloped Connections, Add	41.25	
05 12 23 00-0247	LF		W33 x 130 A992/A36 Structural Beam Or Girder	326.86	90.47
			For Hot Dip Galvanizing, Add	63.94	
			For High Strength Low Alloy A572-50 Steel, Add	29.42	
			For High Strength Low Alloy A588 Steel, Add	65.37	
			For Each Additional Top Copes >2, Add	2.30	
			For Structural Tees, WT, MT Or ST, Deduct	-99.93	
			For Skewed Or Sloped Connections, Add	39.22	
05 12 23 00-0248	LF		W33 x 118 A992/A36 Structural Beam Or Girder	307.21	89.67
			For Hot Dip Galvanizing, Add	58.71	
			For High Strength Low Alloy A572-50 Steel, Add	27.65	
			For High Strength Low Alloy A588 Steel, Add	61.44	
			For Each Additional Top Copes >2, Add	2.12	
			For Structural Tees, WT, MT Or ST, Deduct	-93.18	
			For Skewed Or Sloped Connections, Add	36.87	
05 12 23 00-0249	LF		W30 x 211 A992/A36 Structural Beam Or Girder	432.80	84.18
			For Hot Dip Galvanizing, Add	95.18	
			For High Strength Low Alloy A572-50 Steel, Add	38.95	
			For High Strength Low Alloy A588 Steel, Add	86.56	
			For Each Additional Top Copes >2, Add	3.43	
			For Structural Tees, WT, MT Or ST, Deduct	-138.01	
			For Skewed Or Sloped Connections, Add	51.94	
05 12 23 00-0250	LF		W30 x 191 A992/A36 Structural Beam Or Girder	410.94	94.07
			For Hot Dip Galvanizing, Add	86.16	
			For High Strength Low Alloy A572-50 Steel, Add	36.98	
			For High Strength Low Alloy A588 Steel, Add	82.19	
			For Each Additional Top Copes >2, Add	3.10	
			For Structural Tees, WT, MT Or ST, Deduct	-128.76	
			For Skewed Or Sloped Connections, Add	49.31	
05 12 23 00-0251	LF		W30 x 173 A992/A36 Structural Beam Or Girder	375.53	80.34
			For Hot Dip Galvanizing, Add	80.43	
			For High Strength Low Alloy A572-50 Steel, Add	33.80	
			For High Strength Low Alloy A588 Steel, Add	75.11	
			For Each Additional Top Copes >2, Add	2.90	
			For Structural Tees, WT, MT Or ST, Deduct	-118.58	
			For Skewed Or Sloped Connections, Add	45.06	
05 12 23 00-0252	LF		W30 x 154 A992/A36 Structural Beam Or Girder	355.93	91.80
			For Hot Dip Galvanizing, Add	71.60	
			For High Strength Low Alloy A572-50 Steel, Add	32.03	
			For High Strength Low Alloy A588 Steel, Add	71.19	
			For Each Additional Top Copes >2, Add	2.58	
			For Structural Tees, WT, MT Or ST, Deduct	-109.89	
			For Skewed Or Sloped Connections, Add	42.71	



Metals			05	05
Structural Metal Framing			05 10	
Structural Steel Framing			05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0253	LF		W30 x 132 A992/A36 Structural Beam Or Girder	316.56	77.51
			For Hot Dip Galvanizing, Add	64.90	
			For High Strength Low Alloy A572-50 Steel, Add	28.49	
			For High Strength Low Alloy A588 Steel, Add	63.31	
			For Each Additional Top Copes >2, Add	2.34	
			For Structural Tees, WT, MT Or ST, Deduct	-98.39	
			For Skewed Or Sloped Connections, Add	37.99	
05 12 23 00-0254	LF		W30 x 124 A992/A36 Structural Beam Or Girder	302.34	77.47
			For Hot Dip Galvanizing, Add	60.97	
			For High Strength Low Alloy A572-50 Steel, Add	27.21	
			For High Strength Low Alloy A588 Steel, Add	60.47	
			For Each Additional Top Copes >2, Add	2.20	
			For Structural Tees, WT, MT Or ST, Deduct	-93.42	
			For Skewed Or Sloped Connections, Add	36.28	
05 12 23 00-0255	LF		W30 x 116 A992/A36 Structural Beam Or Girder	301.05	89.54
			For Hot Dip Galvanizing, Add	57.03	
			For High Strength Low Alloy A572-50 Steel, Add	27.09	
			For High Strength Low Alloy A588 Steel, Add	60.21	
			For Each Additional Top Copes >2, Add	2.06	
			For Structural Tees, WT, MT Or ST, Deduct	-91.04	
			For Skewed Or Sloped Connections, Add	36.13	
05 12 23 00-0256	LF		W30 x 108 A992/A36 Structural Beam Or Girder	278.30	80.62
			For Hot Dip Galvanizing, Add	53.38	
			For High Strength Low Alloy A572-50 Steel, Add	25.05	
			For High Strength Low Alloy A588 Steel, Add	55.66	
			For Each Additional Top Copes >2, Add	1.92	
			For Structural Tees, WT, MT Or ST, Deduct	-84.51	
			For Skewed Or Sloped Connections, Add	33.40	
05 12 23 00-0257	LF		W30 x 99 A992/A36 Structural Beam Or Girder	266.25	80.22
			For Hot Dip Galvanizing, Add	50.18	
			For High Strength Low Alloy A572-50 Steel, Add	23.96	
			For High Strength Low Alloy A588 Steel, Add	53.25	
			For Each Additional Top Copes >2, Add	1.81	
			For Structural Tees, WT, MT Or ST, Deduct	-80.38	
			For Skewed Or Sloped Connections, Add	31.95	
05 12 23 00-0258	LF		W27 x 178 A992/A36 Structural Beam Or Girder	417.85	94.07
			For Hot Dip Galvanizing, Add	88.11	
			For High Strength Low Alloy A572-50 Steel, Add	37.61	
			For High Strength Low Alloy A588 Steel, Add	83.57	
			For Each Additional Top Copes >2, Add	3.18	
			For Structural Tees, WT, MT Or ST, Deduct	-131.20	
			For Skewed Or Sloped Connections, Add	50.14	
05 12 23 00-0259	LF		W27 x 161 A992/A36 Structural Beam Or Girder	383.74	90.52
			For Hot Dip Galvanizing, Add	79.69	
			For High Strength Low Alloy A572-50 Steel, Add	34.54	
			For High Strength Low Alloy A588 Steel, Add	76.75	
			For Each Additional Top Copes >2, Add	2.87	
			For Structural Tees, WT, MT Or ST, Deduct	-119.83	
			For Skewed Or Sloped Connections, Add	46.05	
05 12 23 00-0260	LF		W27 x 146 A992/A36 Structural Beam Or Girder	353.57	87.32
			For Hot Dip Galvanizing, Add	72.27	
			For High Strength Low Alloy A572-50 Steel, Add	31.82	
			For High Strength Low Alloy A588 Steel, Add	70.71	
			For Each Additional Top Copes >2, Add	2.60	
			For Structural Tees, WT, MT Or ST, Deduct	-109.78	
			For Skewed Or Sloped Connections, Add	42.43	
05 12 23 00-0261	LF		W27 x 114 A992/A36 Structural Beam Or Girder	280.72	72.54
			For Hot Dip Galvanizing, Add	56.43	
			For High Strength Low Alloy A572-50 Steel, Add	25.26	
			For High Strength Low Alloy A588 Steel, Add	56.14	
			For Each Additional Top Copes >2, Add	2.03	
			For Structural Tees, WT, MT Or ST, Deduct	-86.65	
			For Skewed Or Sloped Connections, Add	33.69	
05 12 23 00-0262	LF		W27 x 102 A992/A36 Structural Beam Or Girder	267.48	80.22
			For Hot Dip Galvanizing, Add	50.49	
			For High Strength Low Alloy A572-50 Steel, Add	24.07	
			For High Strength Low Alloy A588 Steel, Add	53.50	
			For Each Additional Top Copes >2, Add	1.82	
			For Structural Tees, WT, MT Or ST, Deduct	-80.79	
			For Skewed Or Sloped Connections, Add	32.10	
05 12 23 00-0263	LF		W27 x 94 A992/A36 Structural Beam Or Girder	256.16	79.69
			For Hot Dip Galvanizing, Add	47.49	
			For High Strength Low Alloy A572-50 Steel, Add	23.05	
			For High Strength Low Alloy A588 Steel, Add	51.23	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-76.90	
			For Skewed Or Sloped Connections, Add	30.74	
05 12 23 00-0264	LF		W27 x 84 A992/A36 Structural Beam Or Girder	242.34	79.16
			For Hot Dip Galvanizing, Add	43.84	
			For High Strength Low Alloy A572-50 Steel, Add	21.81	
			For High Strength Low Alloy A588 Steel, Add	48.47	
			For Each Additional Top Copes >2, Add	1.58	
			For Structural Tees, WT, MT Or ST, Deduct	-72.17	
			For Skewed Or Sloped Connections, Add	29.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0265	LF		W24 x 162 A992/A36 Structural Beam Or Girder	369.57	86.79
			For Hot Dip Galvanizing, Add	76.87	
			For High Strength Low Alloy A572-50 Steel, Add	33.26	
			For High Strength Low Alloy A588 Steel, Add	73.91	
			For Each Additional Top Copes >2, Add	2.77	
			For Structural Tees, WT, MT Or ST, Deduct	-115.46	
			For Skewed Or Sloped Connections, Add	44.35	
05 12 23 00-0266	LF		W24 x 146 A992/A36 Structural Beam Or Girder	338.39	83.20
			For Hot Dip Galvanizing, Add	69.28	
			For High Strength Low Alloy A572-50 Steel, Add	30.46	
			For High Strength Low Alloy A588 Steel, Add	67.68	
			For Each Additional Top Copes >2, Add	2.50	
			For Structural Tees, WT, MT Or ST, Deduct	-105.12	
			For Skewed Or Sloped Connections, Add	40.61	
05 12 23 00-0267	LF		W24 x 131 A992/A36 Structural Beam Or Girder	308.71	79.42
			For Hot Dip Galvanizing, Add	62.16	
			For High Strength Low Alloy A572-50 Steel, Add	27.78	
			For High Strength Low Alloy A588 Steel, Add	61.74	
			For Each Additional Top Copes >2, Add	2.24	
			For Structural Tees, WT, MT Or ST, Deduct	-95.34	
			For Skewed Or Sloped Connections, Add	37.05	
05 12 23 00-0268	LF		W24 x 117 A992/A36 Structural Beam Or Girder	280.54	75.46
			For Hot Dip Galvanizing, Add	55.52	
			For High Strength Low Alloy A572-50 Steel, Add	25.25	
			For High Strength Low Alloy A588 Steel, Add	56.11	
			For Each Additional Top Copes >2, Add	2.00	
			For Structural Tees, WT, MT Or ST, Deduct	-86.12	
			For Skewed Or Sloped Connections, Add	33.66	
05 12 23 00-0269	LF		W24 x 104 A992/A36 Structural Beam Or Girder	253.94	71.36
			For Hot Dip Galvanizing, Add	49.35	
			For High Strength Low Alloy A572-50 Steel, Add	22.85	
			For High Strength Low Alloy A588 Steel, Add	50.79	
			For Each Additional Top Copes >2, Add	1.78	
			For Structural Tees, WT, MT Or ST, Deduct	-77.46	
			For Skewed Or Sloped Connections, Add	30.47	
05 12 23 00-0270	LF		W24 x 94 A992/A36 Structural Beam Or Girder	245.74	79.69
			For Hot Dip Galvanizing, Add	44.60	
			For High Strength Low Alloy A572-50 Steel, Add	22.12	
			For High Strength Low Alloy A588 Steel, Add	49.15	
			For Each Additional Top Copes >2, Add	1.61	
			For Structural Tees, WT, MT Or ST, Deduct	-73.26	
			For Skewed Or Sloped Connections, Add	29.49	
05 12 23 00-0271	LF		W24 x 84 A992/A36 Structural Beam Or Girder	223.92	70.65
			For Hot Dip Galvanizing, Add	41.20	
			For High Strength Low Alloy A572-50 Steel, Add	20.15	
			For High Strength Low Alloy A588 Steel, Add	44.78	
			For Each Additional Top Copes >2, Add	1.48	
			For Structural Tees, WT, MT Or ST, Deduct	-67.06	
			For Skewed Or Sloped Connections, Add	26.87	
05 12 23 00-0272	LF		W24 x 76 A992/A36 Structural Beam Or Girder	213.32	70.12
			For Hot Dip Galvanizing, Add	38.41	
			For High Strength Low Alloy A572-50 Steel, Add	19.20	
			For High Strength Low Alloy A588 Steel, Add	42.66	
			For Each Additional Top Copes >2, Add	1.38	
			For Structural Tees, WT, MT Or ST, Deduct	-63.43	
			For Skewed Or Sloped Connections, Add	25.60	
05 12 23 00-0273	LF		W24 x 68 A992/A36 Structural Beam Or Girder	199.99	69.71
			For Hot Dip Galvanizing, Add	34.86	
			For High Strength Low Alloy A572-50 Steel, Add	18.00	
			For High Strength Low Alloy A588 Steel, Add	40.00	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-58.84	
			For Skewed Or Sloped Connections, Add	24.00	
05 12 23 00-0274	LF		W24 x 62 A992/A36 Structural Beam Or Girder	193.02	69.31
			For Hot Dip Galvanizing, Add	33.03	
			For High Strength Low Alloy A572-50 Steel, Add	17.37	
			For High Strength Low Alloy A588 Steel, Add	38.60	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-56.46	
			For Skewed Or Sloped Connections, Add	23.16	
05 12 23 00-0275	LF		W24 x 55 A992/A36 Structural Beam Or Girder	183.47	69.05
			For Hot Dip Galvanizing, Add	30.50	
			For High Strength Low Alloy A572-50 Steel, Add	16.51	
			For High Strength Low Alloy A588 Steel, Add	36.69	
			For Each Additional Top Copes >2, Add	1.10	
			For Structural Tees, WT, MT Or ST, Deduct	-53.18	
			For Skewed Or Sloped Connections, Add	22.02	
05 12 23 00-0276	LF		W21 x 147 A992/A36 Structural Beam Or Girder	322.96	71.37
			For Hot Dip Galvanizing, Add	68.50	
			For High Strength Low Alloy A572-50 Steel, Add	29.07	
			For High Strength Low Alloy A588 Steel, Add	64.59	
			For Each Additional Top Copes >2, Add	2.47	
			For Structural Tees, WT, MT Or ST, Deduct	-101.62	
			For Skewed Or Sloped Connections, Add	38.76	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	294.37	68.18
		For Hot Dip Galvanizing, Add	61.51	
		For High Strength Low Alloy A572-50 Steel, Add	26.49	
		For High Strength Low Alloy A588 Steel, Add	58.87	
		For Each Additional Top Copes >2, Add	2.22	
		For Structural Tees, WT, MT Or ST, Deduct	-92.12	
		For Skewed Or Sloped Connections, Add	35.32	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	276.35	67.04
		For Hot Dip Galvanizing, Add	56.85	
		For High Strength Low Alloy A572-50 Steel, Add	24.87	
		For High Strength Low Alloy A588 Steel, Add	55.27	
		For Each Additional Top Copes >2, Add	2.05	
		For Structural Tees, WT, MT Or ST, Deduct	-86.00	
		For Skewed Or Sloped Connections, Add	33.16	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	255.60	64.89
		For Hot Dip Galvanizing, Add	51.72	
		For High Strength Low Alloy A572-50 Steel, Add	23.00	
		For High Strength Low Alloy A588 Steel, Add	51.12	
		For Each Additional Top Copes >2, Add	1.86	
		For Structural Tees, WT, MT Or ST, Deduct	-79.08	
		For Skewed Or Sloped Connections, Add	30.67	
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	236.58	62.81
		For Hot Dip Galvanizing, Add	47.06	
		For High Strength Low Alloy A572-50 Steel, Add	21.29	
		For High Strength Low Alloy A588 Steel, Add	47.32	
		For Each Additional Top Copes >2, Add	1.70	
		For Structural Tees, WT, MT Or ST, Deduct	-72.75	
		For Skewed Or Sloped Connections, Add	28.39	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	232.39	71.44
		For Hot Dip Galvanizing, Add	43.33	
		For High Strength Low Alloy A572-50 Steel, Add	20.92	
		For High Strength Low Alloy A588 Steel, Add	46.48	
		For Each Additional Top Copes >2, Add	1.56	
		For Structural Tees, WT, MT Or ST, Deduct	-69.90	
		For Skewed Or Sloped Connections, Add	27.89	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	219.90	70.65
		For Hot Dip Galvanizing, Add	40.09	
		For High Strength Low Alloy A572-50 Steel, Add	19.79	
		For High Strength Low Alloy A588 Steel, Add	43.98	
		For Each Additional Top Copes >2, Add	1.44	
		For Structural Tees, WT, MT Or ST, Deduct	-65.65	
		For Skewed Or Sloped Connections, Add	26.39	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	204.60	70.12
		For Hot Dip Galvanizing, Add	36.03	
		For High Strength Low Alloy A572-50 Steel, Add	18.41	
		For High Strength Low Alloy A588 Steel, Add	40.92	
		For Each Additional Top Copes >2, Add	1.30	
		For Structural Tees, WT, MT Or ST, Deduct	-60.39	
		For Skewed Or Sloped Connections, Add	24.55	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	196.88	69.71
		For Hot Dip Galvanizing, Add	34.00	
		For High Strength Low Alloy A572-50 Steel, Add	17.72	
		For High Strength Low Alloy A588 Steel, Add	39.38	
		For Each Additional Top Copes >2, Add	1.23	
		For Structural Tees, WT, MT Or ST, Deduct	-57.75	
		For Skewed Or Sloped Connections, Add	23.63	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	189.91	69.31
		For Hot Dip Galvanizing, Add	32.17	
		For High Strength Low Alloy A572-50 Steel, Add	17.09	
		For High Strength Low Alloy A588 Steel, Add	37.98	
		For Each Additional Top Copes >2, Add	1.16	
		For Structural Tees, WT, MT Or ST, Deduct	-55.37	
		For Skewed Or Sloped Connections, Add	22.79	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	183.61	69.18
		For Hot Dip Galvanizing, Add	30.50	
		For High Strength Low Alloy A572-50 Steel, Add	16.52	
		For High Strength Low Alloy A588 Steel, Add	36.72	
		For Each Additional Top Copes >2, Add	1.10	
		For Structural Tees, WT, MT Or ST, Deduct	-53.21	
		For Skewed Or Sloped Connections, Add	22.03	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	162.68	60.00
		For Hot Dip Galvanizing, Add	27.35	
		For High Strength Low Alloy A572-50 Steel, Add	14.64	
		For High Strength Low Alloy A588 Steel, Add	32.54	
		For Each Additional Top Copes >2, Add	0.99	
		For Structural Tees, WT, MT Or ST, Deduct	-47.32	
		For Skewed Or Sloped Connections, Add	19.52	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	155.34	59.74
		For Hot Dip Galvanizing, Add	25.42	
		For High Strength Low Alloy A572-50 Steel, Add	13.98	
		For High Strength Low Alloy A588 Steel, Add	31.07	
		For Each Additional Top Copes >2, Add	0.92	
		For Structural Tees, WT, MT Or ST, Deduct	-44.81	
		For Skewed Or Sloped Connections, Add	18.64	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF		W18 x 119 A992/A36 Structural Beam Or Girder	268.89	66.81
			For Hot Dip Galvanizing, Add	54.84	
			For High Strength Low Alloy A572-50 Steel, Add	24.20	
			For High Strength Low Alloy A588 Steel, Add	53.78	
			For Each Additional Top Copes >2, Add	1.98	
			For Structural Tees, WT, MT Or ST, Deduct	-83.42	
			For Skewed Or Sloped Connections, Add	32.27	
05 12 23 00-0290	LF		W18 x 106 A992/A36 Structural Beam Or Girder	243.57	63.31
			For Hot Dip Galvanizing, Add	48.85	
			For High Strength Low Alloy A572-50 Steel, Add	21.92	
			For High Strength Low Alloy A588 Steel, Add	48.71	
			For Each Additional Top Copes >2, Add	1.76	
			For Structural Tees, WT, MT Or ST, Deduct	-75.12	
			For Skewed Or Sloped Connections, Add	29.23	
05 12 23 00-0291	LF		W18 x 97 A992/A36 Structural Beam Or Girder	237.47	71.44
			For Hot Dip Galvanizing, Add	44.71	
			For High Strength Low Alloy A572-50 Steel, Add	21.37	
			For High Strength Low Alloy A588 Steel, Add	47.49	
			For Each Additional Top Copes >2, Add	1.61	
			For Structural Tees, WT, MT Or ST, Deduct	-71.66	
			For Skewed Or Sloped Connections, Add	28.50	
05 12 23 00-0292	LF		W18 x 86 A992/A36 Structural Beam Or Girder	223.13	70.78
			For Hot Dip Galvanizing, Add	40.95	
			For High Strength Low Alloy A572-50 Steel, Add	20.08	
			For High Strength Low Alloy A588 Steel, Add	44.63	
			For Each Additional Top Copes >2, Add	1.48	
			For Structural Tees, WT, MT Or ST, Deduct	-66.76	
			For Skewed Or Sloped Connections, Add	26.78	
05 12 23 00-0293	LF		W18 x 76 A992/A36 Structural Beam Or Girder	210.21	70.12
			For Hot Dip Galvanizing, Add	37.55	
			For High Strength Low Alloy A572-50 Steel, Add	18.92	
			For High Strength Low Alloy A588 Steel, Add	42.04	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-62.34	
			For Skewed Or Sloped Connections, Add	25.23	
05 12 23 00-0294	LF		W18 x 71 A992/A36 Structural Beam Or Girder	200.81	69.98
			For Hot Dip Galvanizing, Add	35.01	
			For High Strength Low Alloy A572-50 Steel, Add	18.07	
			For High Strength Low Alloy A588 Steel, Add	40.16	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-59.09	
			For Skewed Or Sloped Connections, Add	24.10	
05 12 23 00-0295	LF		W18 x 65 A992/A36 Structural Beam Or Girder	191.63	69.71
			For Hot Dip Galvanizing, Add	32.58	
			For High Strength Low Alloy A572-50 Steel, Add	17.25	
			For High Strength Low Alloy A588 Steel, Add	38.33	
			For Each Additional Top Copes >2, Add	1.17	
			For Structural Tees, WT, MT Or ST, Deduct	-55.93	
			For Skewed Or Sloped Connections, Add	23.00	
05 12 23 00-0296	LF		W18 x 60 A992/A36 Structural Beam Or Girder	183.37	69.18
			For Hot Dip Galvanizing, Add	30.39	
			For High Strength Low Alloy A572-50 Steel, Add	16.50	
			For High Strength Low Alloy A588 Steel, Add	36.67	
			For Each Additional Top Copes >2, Add	1.10	
			For Structural Tees, WT, MT Or ST, Deduct	-53.10	
			For Skewed Or Sloped Connections, Add	22.00	
05 12 23 00-0297	LF		W18 x 55 A992/A36 Structural Beam Or Girder	175.05	69.05
			For Hot Dip Galvanizing, Add	28.16	
			For High Strength Low Alloy A572-50 Steel, Add	15.75	
			For High Strength Low Alloy A588 Steel, Add	35.01	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-50.23	
			For Skewed Or Sloped Connections, Add	21.01	
05 12 23 00-0298	LF		W18 x 50 A992/A36 Structural Beam Or Girder	157.56	60.00
			For Hot Dip Galvanizing, Add	25.93	
			For High Strength Low Alloy A572-50 Steel, Add	14.18	
			For High Strength Low Alloy A588 Steel, Add	31.51	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-45.53	
			For Skewed Or Sloped Connections, Add	18.91	
05 12 23 00-0299	LF		W18 x 46 A992/A36 Structural Beam Or Girder	151.08	59.87
			For Hot Dip Galvanizing, Add	24.20	
			For High Strength Low Alloy A572-50 Steel, Add	13.60	
			For High Strength Low Alloy A588 Steel, Add	30.22	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-43.30	
			For Skewed Or Sloped Connections, Add	18.13	
05 12 23 00-0300	LF		W18 x 40 A992/A36 Structural Beam Or Girder	132.07	51.08
			For Hot Dip Galvanizing, Add	21.51	
			For High Strength Low Alloy A572-50 Steel, Add	11.89	
			For High Strength Low Alloy A588 Steel, Add	26.41	
			For Each Additional Top Copes >2, Add	0.78	
			For Structural Tees, WT, MT Or ST, Deduct	-38.04	
			For Skewed Or Sloped Connections, Add	15.85	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	123.95	50.95	
		For Hot Dip Galvanizing, Add	19.33		
		For High Strength Low Alloy A572-50 Steel, Add	11.16		
		For High Strength Low Alloy A588 Steel, Add	24.79		
		For Each Additional Top Copes >2, Add	0.70		
		For Structural Tees, WT, MT Or ST, Deduct	-35.24		
		For Skewed Or Sloped Connections, Add	14.87		
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	222.65	46.43	
		For Hot Dip Galvanizing, Add	48.05		
		For High Strength Low Alloy A572-50 Steel, Add	20.04		
		For High Strength Low Alloy A588 Steel, Add	44.53		
		For Each Additional Top Copes >2, Add	1.73		
		For Structural Tees, WT, MT Or ST, Deduct	-70.50		
		For Skewed Or Sloped Connections, Add	26.72		
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	204.30	45.63	
		For Hot Dip Galvanizing, Add	43.18		
		For High Strength Low Alloy A572-50 Steel, Add	18.39		
		For High Strength Low Alloy A588 Steel, Add	40.86		
		For Each Additional Top Copes >2, Add	1.56		
		For Structural Tees, WT, MT Or ST, Deduct	-64.20		
		For Skewed Or Sloped Connections, Add	24.52		
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	184.62	45.10	
		For Hot Dip Galvanizing, Add	37.90		
		For High Strength Low Alloy A572-50 Steel, Add	16.62		
		For High Strength Low Alloy A588 Steel, Add	36.92		
		For Each Additional Top Copes >2, Add	1.37		
		For Structural Tees, WT, MT Or ST, Deduct	-57.41		
		For Skewed Or Sloped Connections, Add	22.15		
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	167.86	44.44	
		For Hot Dip Galvanizing, Add	33.44		
		For High Strength Low Alloy A572-50 Steel, Add	15.11		
		For High Strength Low Alloy A588 Steel, Add	33.57		
		For Each Additional Top Copes >2, Add	1.21		
		For Structural Tees, WT, MT Or ST, Deduct	-51.65		
		For Skewed Or Sloped Connections, Add	20.14		
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	151.29	43.78	
		For Hot Dip Galvanizing, Add	29.02		
		For High Strength Low Alloy A572-50 Steel, Add	13.62		
		For High Strength Low Alloy A588 Steel, Add	30.26		
		For Each Additional Top Copes >2, Add	1.05		
		For Structural Tees, WT, MT Or ST, Deduct	-45.95		
		For Skewed Or Sloped Connections, Add	18.15		
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	139.74	43.37	
		For Hot Dip Galvanizing, Add	25.93		
		For High Strength Low Alloy A572-50 Steel, Add	12.58		
		For High Strength Low Alloy A588 Steel, Add	27.95		
		For Each Additional Top Copes >2, Add	0.93		
		For Structural Tees, WT, MT Or ST, Deduct	-41.96		
		For Skewed Or Sloped Connections, Add	16.77		
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	131.61	43.10	
		For Hot Dip Galvanizing, Add	23.75		
		For High Strength Low Alloy A572-50 Steel, Add	11.84		
		For High Strength Low Alloy A588 Steel, Add	26.32		
		For Each Additional Top Copes >2, Add	0.86		
		For Structural Tees, WT, MT Or ST, Deduct	-39.16		
		For Skewed Or Sloped Connections, Add	15.79		
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	123.16	42.71	
		For Hot Dip Galvanizing, Add	21.51		
		For High Strength Low Alloy A572-50 Steel, Add	11.08		
		For High Strength Low Alloy A588 Steel, Add	24.63		
		For Each Additional Top Copes >2, Add	0.78		
		For Structural Tees, WT, MT Or ST, Deduct	-36.26		
		For Skewed Or Sloped Connections, Add	14.78		
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	116.54	42.44	
		For Hot Dip Galvanizing, Add	19.79		
		For High Strength Low Alloy A572-50 Steel, Add	10.49		
		For High Strength Low Alloy A588 Steel, Add	23.31		
		For Each Additional Top Copes >2, Add	0.71		
		For Structural Tees, WT, MT Or ST, Deduct	-34.00		
		For Skewed Or Sloped Connections, Add	13.98		
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	99.32	33.79	
		For Hot Dip Galvanizing, Add	17.56		
		For High Strength Low Alloy A572-50 Steel, Add	8.94		
		For High Strength Low Alloy A588 Steel, Add	19.86		
		For Each Additional Top Copes >2, Add	0.63		
		For Structural Tees, WT, MT Or ST, Deduct	-29.35		
		For Skewed Or Sloped Connections, Add	11.92		
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	88.70	33.39	
		For Hot Dip Galvanizing, Add	14.72		
		For High Strength Low Alloy A572-50 Steel, Add	7.98		
		For High Strength Low Alloy A588 Steel, Add	17.74		
		For Each Additional Top Copes >2, Add	0.53		
		For Structural Tees, WT, MT Or ST, Deduct	-25.70		
		For Skewed Or Sloped Connections, Add	10.64		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0313	LF		W14 x 99 A992/A36 Structural Beam Or Girder	212.10	38.05
			For Hot Dip Galvanizing, Add	47.60	
			For High Strength Low Alloy A572-50 Steel, Add	19.09	
			For High Strength Low Alloy A588 Steel, Add	42.42	
			For Each Additional Top Copes >2, Add	1.72	
			For Structural Tees, WT, MT Or ST, Deduct	-68.15	
			For Skewed Or Sloped Connections, Add	25.45	
05 12 23 00-0314	LF		W14 x 90 A992/A36 Structural Beam Or Girder	197.16	37.38
			For Hot Dip Galvanizing, Add	43.64	
			For High Strength Low Alloy A572-50 Steel, Add	17.74	
			For High Strength Low Alloy A588 Steel, Add	39.43	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-63.02	
			For Skewed Or Sloped Connections, Add	23.66	
05 12 23 00-0315	LF		W14 x 82 A992/A36 Structural Beam Or Girder	183.84	36.99
			For Hot Dip Galvanizing, Add	40.09	
			For High Strength Low Alloy A572-50 Steel, Add	16.55	
			For High Strength Low Alloy A588 Steel, Add	36.77	
			For Each Additional Top Copes >2, Add	1.44	
			For Structural Tees, WT, MT Or ST, Deduct	-58.44	
			For Skewed Or Sloped Connections, Add	22.06	
05 12 23 00-0316	LF		W14 x 74 A992/A36 Structural Beam Or Girder	170.52	36.46
			For Hot Dip Galvanizing, Add	36.54	
			For High Strength Low Alloy A572-50 Steel, Add	15.35	
			For High Strength Low Alloy A588 Steel, Add	34.10	
			For Each Additional Top Copes >2, Add	1.32	
			For Structural Tees, WT, MT Or ST, Deduct	-53.85	
			For Skewed Or Sloped Connections, Add	20.46	
05 12 23 00-0317	LF		W14 x 68 A992/A36 Structural Beam Or Girder	160.60	36.05
			For Hot Dip Galvanizing, Add	33.90	
			For High Strength Low Alloy A572-50 Steel, Add	14.45	
			For High Strength Low Alloy A588 Steel, Add	32.12	
			For Each Additional Top Copes >2, Add	1.22	
			For Structural Tees, WT, MT Or ST, Deduct	-50.44	
			For Skewed Or Sloped Connections, Add	19.27	
05 12 23 00-0318	LF		W14 x 61 A992/A36 Structural Beam Or Girder	149.04	35.65
			For Hot Dip Galvanizing, Add	30.80	
			For High Strength Low Alloy A572-50 Steel, Add	13.41	
			For High Strength Low Alloy A588 Steel, Add	29.81	
			For Each Additional Top Copes >2, Add	1.11	
			For Structural Tees, WT, MT Or ST, Deduct	-46.46	
			For Skewed Or Sloped Connections, Add	17.88	
05 12 23 00-0319	LF		W14 x 53 A992/A36 Structural Beam Or Girder	135.90	35.12
			For Hot Dip Galvanizing, Add	27.30	
			For High Strength Low Alloy A572-50 Steel, Add	12.23	
			For High Strength Low Alloy A588 Steel, Add	27.18	
			For Each Additional Top Copes >2, Add	0.98	
			For Structural Tees, WT, MT Or ST, Deduct	-41.94	
			For Skewed Or Sloped Connections, Add	16.31	
05 12 23 00-0320	LF		W14 x 48 A992/A36 Structural Beam Or Girder	127.45	34.73
			For Hot Dip Galvanizing, Add	25.07	
			For High Strength Low Alloy A572-50 Steel, Add	11.47	
			For High Strength Low Alloy A588 Steel, Add	25.49	
			For Each Additional Top Copes >2, Add	0.90	
			For Structural Tees, WT, MT Or ST, Deduct	-39.04	
			For Skewed Or Sloped Connections, Add	15.29	
05 12 23 00-0321	LF		W14 x 43 A992/A36 Structural Beam Or Girder	119.13	34.60
			For Hot Dip Galvanizing, Add	22.83	
			For High Strength Low Alloy A572-50 Steel, Add	10.72	
			For High Strength Low Alloy A588 Steel, Add	23.83	
			For Each Additional Top Copes >2, Add	0.82	
			For Structural Tees, WT, MT Or ST, Deduct	-36.17	
			For Skewed Or Sloped Connections, Add	14.30	
05 12 23 00-0322	LF		W14 x 38 A992/A36 Structural Beam Or Girder	110.88	34.32
			For Hot Dip Galvanizing, Add	20.65	
			For High Strength Low Alloy A572-50 Steel, Add	9.98	
			For High Strength Low Alloy A588 Steel, Add	22.18	
			For Each Additional Top Copes >2, Add	0.74	
			For Structural Tees, WT, MT Or ST, Deduct	-33.34	
			For Skewed Or Sloped Connections, Add	13.31	
05 12 23 00-0323	LF		W14 x 34 A992/A36 Structural Beam Or Girder	104.20	33.92
			For Hot Dip Galvanizing, Add	18.88	
			For High Strength Low Alloy A572-50 Steel, Add	9.38	
			For High Strength Low Alloy A588 Steel, Add	20.84	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-31.04	
			For Skewed Or Sloped Connections, Add	12.50	
05 12 23 00-0324	LF		W14 x 30 A992/A36 Structural Beam Or Girder	97.54	33.79
			For Hot Dip Galvanizing, Add	17.10	
			For High Strength Low Alloy A572-50 Steel, Add	8.78	
			For High Strength Low Alloy A588 Steel, Add	19.51	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-28.75	
			For Skewed Or Sloped Connections, Add	11.70	



Metals			05	05
Structural Metal Framing			05 10	
Structural Steel Framing			05 12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	90.87	33.39
		For Hot Dip Galvanizing, Add	15.32	
		For High Strength Low Alloy A572-50 Steel, Add	8.18	
		For High Strength Low Alloy A588 Steel, Add	18.17	
		For Each Additional Top Copes >2, Add	0.55	
		For Structural Tees, WT, MT Or ST, Deduct	-26.46	
		For Skewed Or Sloped Connections, Add	10.90	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	84.40	33.26
		For Hot Dip Galvanizing, Add	13.60	
		For High Strength Low Alloy A572-50 Steel, Add	7.60	
		For High Strength Low Alloy A588 Steel, Add	16.88	
		For Each Additional Top Copes >2, Add	0.49	
		For Structural Tees, WT, MT Or ST, Deduct	-24.23	
		For Skewed Or Sloped Connections, Add	10.13	
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	192.28	37.25
		For Hot Dip Galvanizing, Add	42.32	
		For High Strength Low Alloy A572-50 Steel, Add	17.31	
		For High Strength Low Alloy A588 Steel, Add	38.46	
		For Each Additional Top Copes >2, Add	1.53	
		For Structural Tees, WT, MT Or ST, Deduct	-61.33	
		For Skewed Or Sloped Connections, Add	23.07	
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	178.95	36.72
		For Hot Dip Galvanizing, Add	38.77	
		For High Strength Low Alloy A572-50 Steel, Add	16.11	
		For High Strength Low Alloy A588 Steel, Add	35.79	
		For Each Additional Top Copes >2, Add	1.40	
		For Structural Tees, WT, MT Or ST, Deduct	-56.75	
		For Skewed Or Sloped Connections, Add	21.47	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	167.27	36.33
		For Hot Dip Galvanizing, Add	35.67	
		For High Strength Low Alloy A572-50 Steel, Add	15.05	
		For High Strength Low Alloy A588 Steel, Add	33.45	
		For Each Additional Top Copes >2, Add	1.29	
		For Structural Tees, WT, MT Or ST, Deduct	-52.74	
		For Skewed Or Sloped Connections, Add	20.07	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	155.71	35.92
		For Hot Dip Galvanizing, Add	32.58	
		For High Strength Low Alloy A572-50 Steel, Add	14.01	
		For High Strength Low Alloy A588 Steel, Add	31.14	
		For Each Additional Top Copes >2, Add	1.17	
		For Structural Tees, WT, MT Or ST, Deduct	-48.75	
		For Skewed Or Sloped Connections, Add	18.69	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	144.02	35.39
		For Hot Dip Galvanizing, Add	29.48	
		For High Strength Low Alloy A572-50 Steel, Add	12.96	
		For High Strength Low Alloy A588 Steel, Add	28.80	
		For Each Additional Top Copes >2, Add	1.06	
		For Structural Tees, WT, MT Or ST, Deduct	-44.74	
		For Skewed Or Sloped Connections, Add	17.28	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	135.90	35.12
		For Hot Dip Galvanizing, Add	27.30	
		For High Strength Low Alloy A572-50 Steel, Add	12.23	
		For High Strength Low Alloy A588 Steel, Add	27.18	
		For Each Additional Top Copes >2, Add	0.98	
		For Structural Tees, WT, MT Or ST, Deduct	-41.94	
		For Skewed Or Sloped Connections, Add	16.31	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	130.69	34.99
		For Hot Dip Galvanizing, Add	25.93	
		For High Strength Low Alloy A572-50 Steel, Add	11.76	
		For High Strength Low Alloy A588 Steel, Add	26.14	
		For Each Additional Top Copes >2, Add	0.93	
		For Structural Tees, WT, MT Or ST, Deduct	-40.15	
		For Skewed Or Sloped Connections, Add	15.68	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	122.57	34.73
		For Hot Dip Galvanizing, Add	23.75	
		For High Strength Low Alloy A572-50 Steel, Add	11.03	
		For High Strength Low Alloy A588 Steel, Add	24.51	
		For Each Additional Top Copes >2, Add	0.86	
		For Structural Tees, WT, MT Or ST, Deduct	-37.35	
		For Skewed Or Sloped Connections, Add	14.71	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	105.07	25.81
		For Hot Dip Galvanizing, Add	21.51	
		For High Strength Low Alloy A572-50 Steel, Add	9.46	
		For High Strength Low Alloy A588 Steel, Add	21.01	
		For Each Additional Top Copes >2, Add	0.78	
		For Structural Tees, WT, MT Or ST, Deduct	-32.64	
		For Skewed Or Sloped Connections, Add	12.61	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	96.95	25.68
		For Hot Dip Galvanizing, Add	19.33	
		For High Strength Low Alloy A572-50 Steel, Add	8.73	
		For High Strength Low Alloy A588 Steel, Add	19.39	
		For Each Additional Top Copes >2, Add	0.70	
		For Structural Tees, WT, MT Or ST, Deduct	-29.84	
		For Skewed Or Sloped Connections, Add	11.63	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	.....	88.49	25.28
		For Hot Dip Galvanizing, Add		17.10	
		For High Strength Low Alloy A572-50 Steel, Add		7.96	
		For High Strength Low Alloy A588 Steel, Add		17.70	
		For Each Additional Top Copes >2, Add		0.62	
		For Structural Tees, WT, MT Or ST, Deduct		-26.94	
		For Skewed Or Sloped Connections, Add		10.62	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	.....	81.83	25.01
		For Hot Dip Galvanizing, Add		15.32	
		For High Strength Low Alloy A572-50 Steel, Add		7.36	
		For High Strength Low Alloy A588 Steel, Add		16.37	
		For Each Additional Top Copes >2, Add		0.55	
		For Structural Tees, WT, MT Or ST, Deduct		-24.65	
		For Skewed Or Sloped Connections, Add		9.82	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	.....	75.35	24.74
		For Hot Dip Galvanizing, Add		13.60	
		For High Strength Low Alloy A572-50 Steel, Add		6.78	
		For High Strength Low Alloy A588 Steel, Add		15.07	
		For Each Additional Top Copes >2, Add		0.49	
		For Structural Tees, WT, MT Or ST, Deduct		-22.42	
		For Skewed Or Sloped Connections, Add		9.04	
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	.....	70.28	24.61
		For Hot Dip Galvanizing, Add		12.23	
		For High Strength Low Alloy A572-50 Steel, Add		6.33	
		For High Strength Low Alloy A588 Steel, Add		14.06	
		For Each Additional Top Copes >2, Add		0.44	
		For Structural Tees, WT, MT Or ST, Deduct		-20.67	
		For Skewed Or Sloped Connections, Add		8.43	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	.....	65.25	24.21
		For Hot Dip Galvanizing, Add		10.91	
		For High Strength Low Alloy A572-50 Steel, Add		5.87	
		For High Strength Low Alloy A588 Steel, Add		13.05	
		For Each Additional Top Copes >2, Add		0.39	
		For Structural Tees, WT, MT Or ST, Deduct		-18.95	
		For Skewed Or Sloped Connections, Add		7.83	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	.....	62.02	24.21
		For Hot Dip Galvanizing, Add		10.05	
		For High Strength Low Alloy A572-50 Steel, Add		5.58	
		For High Strength Low Alloy A588 Steel, Add		12.40	
		For Each Additional Top Copes >2, Add		0.36	
		For Structural Tees, WT, MT Or ST, Deduct		-17.84	
		For Skewed Or Sloped Connections, Add		7.44	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	.....	152.05	27.81
		For Hot Dip Galvanizing, Add		34.00	
		For High Strength Low Alloy A572-50 Steel, Add		13.68	
		For High Strength Low Alloy A588 Steel, Add		30.41	
		For Each Additional Top Copes >2, Add		1.23	
		For Structural Tees, WT, MT Or ST, Deduct		-48.79	
		For Skewed Or Sloped Connections, Add		18.25	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	.....	138.91	27.28
		For Hot Dip Galvanizing, Add		30.50	
		For High Strength Low Alloy A572-50 Steel, Add		12.50	
		For High Strength Low Alloy A588 Steel, Add		27.78	
		For Each Additional Top Copes >2, Add		1.10	
		For Structural Tees, WT, MT Or ST, Deduct		-44.27	
		For Skewed Or Sloped Connections, Add		16.67	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	.....	128.80	26.74
		For Hot Dip Galvanizing, Add		27.81	
		For High Strength Low Alloy A572-50 Steel, Add		11.59	
		For High Strength Low Alloy A588 Steel, Add		25.76	
		For Each Additional Top Copes >2, Add		1.00	
		For Structural Tees, WT, MT Or ST, Deduct		-40.79	
		For Skewed Or Sloped Connections, Add		15.46	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	.....	120.54	26.47
		For Hot Dip Galvanizing, Add		25.62	
		For High Strength Low Alloy A572-50 Steel, Add		10.85	
		For High Strength Low Alloy A588 Steel, Add		24.11	
		For Each Additional Top Copes >2, Add		0.92	
		For Structural Tees, WT, MT Or ST, Deduct		-37.96	
		For Skewed Or Sloped Connections, Add		14.46	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	.....	113.88	26.34
		For Hot Dip Galvanizing, Add		23.85	
		For High Strength Low Alloy A572-50 Steel, Add		10.25	
		For High Strength Low Alloy A588 Steel, Add		22.78	
		For Each Additional Top Copes >2, Add		0.86	
		For Structural Tees, WT, MT Or ST, Deduct		-35.67	
		For Skewed Or Sloped Connections, Add		13.67	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	.....	103.97	25.81
		For Hot Dip Galvanizing, Add		21.21	
		For High Strength Low Alloy A572-50 Steel, Add		9.36	
		For High Strength Low Alloy A588 Steel, Add		20.79	
		For Each Additional Top Copes >2, Add		0.76	
		For Structural Tees, WT, MT Or ST, Deduct		-32.26	
		For Skewed Or Sloped Connections, Add		12.48	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	94.07	25.41
		For Hot Dip Galvanizing, Add	18.57	
		For High Strength Low Alloy A572-50 Steel, Add	8.47	
		For High Strength Low Alloy A588 Steel, Add	18.81	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-28.85	
		For Skewed Or Sloped Connections, Add	11.29	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	88.99	25.28
		For Hot Dip Galvanizing, Add	17.20	
		For High Strength Low Alloy A572-50 Steel, Add	8.01	
		For High Strength Low Alloy A588 Steel, Add	17.80	
		For Each Additional Top Copes >2, Add	0.62	
		For Structural Tees, WT, MT Or ST, Deduct	-27.10	
		For Skewed Or Sloped Connections, Add	10.68	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	82.51	25.15
		For Hot Dip Galvanizing, Add	15.48	
		For High Strength Low Alloy A572-50 Steel, Add	7.43	
		For High Strength Low Alloy A588 Steel, Add	16.50	
		For Each Additional Top Copes >2, Add	0.56	
		For Structural Tees, WT, MT Or ST, Deduct	-24.87	
		For Skewed Or Sloped Connections, Add	9.90	
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	75.71	24.74
		For Hot Dip Galvanizing, Add	13.70	
		For High Strength Low Alloy A572-50 Steel, Add	6.81	
		For High Strength Low Alloy A588 Steel, Add	15.14	
		For Each Additional Top Copes >2, Add	0.49	
		For Structural Tees, WT, MT Or ST, Deduct	-22.55	
		For Skewed Or Sloped Connections, Add	9.09	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	70.83	24.61
		For Hot Dip Galvanizing, Add	12.38	
		For High Strength Low Alloy A572-50 Steel, Add	6.37	
		For High Strength Low Alloy A588 Steel, Add	14.17	
		For Each Additional Top Copes >2, Add	0.45	
		For Structural Tees, WT, MT Or ST, Deduct	-20.86	
		For Skewed Or Sloped Connections, Add	8.50	
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	67.41	24.48
		For Hot Dip Galvanizing, Add	11.47	
		For High Strength Low Alloy A572-50 Steel, Add	6.07	
		For High Strength Low Alloy A588 Steel, Add	13.48	
		For Each Additional Top Copes >2, Add	0.41	
		For Structural Tees, WT, MT Or ST, Deduct	-19.68	
		For Skewed Or Sloped Connections, Add	8.09	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	64.16	24.21
		For Hot Dip Galvanizing, Add	10.61	
		For High Strength Low Alloy A572-50 Steel, Add	5.77	
		For High Strength Low Alloy A588 Steel, Add	12.83	
		For Each Additional Top Copes >2, Add	0.38	
		For Structural Tees, WT, MT Or ST, Deduct	-18.57	
		For Skewed Or Sloped Connections, Add	7.70	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	59.27	24.21
		For Hot Dip Galvanizing, Add	9.29	
		For High Strength Low Alloy A572-50 Steel, Add	5.33	
		For High Strength Low Alloy A588 Steel, Add	11.85	
		For Each Additional Top Copes >2, Add	0.33	
		For Structural Tees, WT, MT Or ST, Deduct	-16.87	
		For Skewed Or Sloped Connections, Add	7.11	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	97.31	25.68
		For Hot Dip Galvanizing, Add	19.43	
		For High Strength Low Alloy A572-50 Steel, Add	8.76	
		For High Strength Low Alloy A588 Steel, Add	19.46	
		For Each Additional Top Copes >2, Add	0.70	
		For Structural Tees, WT, MT Or ST, Deduct	-29.97	
		For Skewed Or Sloped Connections, Add	11.68	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	90.63	25.28
		For Hot Dip Galvanizing, Add	17.66	
		For High Strength Low Alloy A572-50 Steel, Add	8.16	
		For High Strength Low Alloy A588 Steel, Add	18.13	
		For Each Additional Top Copes >2, Add	0.64	
		For Structural Tees, WT, MT Or ST, Deduct	-27.67	
		For Skewed Or Sloped Connections, Add	10.88	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	84.29	23.82
		For Hot Dip Galvanizing, Add	16.34	
		For High Strength Low Alloy A572-50 Steel, Add	7.59	
		For High Strength Low Alloy A588 Steel, Add	16.86	
		For Each Additional Top Copes >2, Add	0.59	
		For Structural Tees, WT, MT Or ST, Deduct	-25.69	
		For Skewed Or Sloped Connections, Add	10.11	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	76.87	22.35
		For Hot Dip Galvanizing, Add	14.72	
		For High Strength Low Alloy A572-50 Steel, Add	6.92	
		For High Strength Low Alloy A588 Steel, Add	15.37	
		For Each Additional Top Copes >2, Add	0.53	
		For Structural Tees, WT, MT Or ST, Deduct	-23.33	
		For Skewed Or Sloped Connections, Add	9.22	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	71.53	20.75
		For Hot Dip Galvanizing, Add	13.68	
		For High Strength Low Alloy A572-50 Steel, Add	6.44	
		For High Strength Low Alloy A588 Steel, Add	14.31	
		For Each Additional Top Copes >2, Add	0.49	
		For Structural Tees, WT, MT Or ST, Deduct	-21.70	
		For Skewed Or Sloped Connections, Add	8.58	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	62.60	19.29
		For Hot Dip Galvanizing, Add	11.65	
		For High Strength Low Alloy A572-50 Steel, Add	5.63	
		For High Strength Low Alloy A588 Steel, Add	12.52	
		For Each Additional Top Copes >2, Add	0.42	
		For Structural Tees, WT, MT Or ST, Deduct	-18.82	
		For Skewed Or Sloped Connections, Add	7.51	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	37.06	13.83
		For Hot Dip Galvanizing, Add	6.22	
		For High Strength Low Alloy A572-50 Steel, Add	3.34	
		For High Strength Low Alloy A588 Steel, Add	7.41	
		For Each Additional Top Copes >2, Add	0.22	
		For Structural Tees, WT, MT Or ST, Deduct	-10.78	
		For Skewed Or Sloped Connections, Add	4.45	
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	34.10	11.31
		For Hot Dip Galvanizing, Add	6.14	
		For High Strength Low Alloy A572-50 Steel, Add	3.07	
		For High Strength Low Alloy A588 Steel, Add	6.82	
		For Each Additional Top Copes >2, Add	0.22	
		For Structural Tees, WT, MT Or ST, Deduct	-10.14	
		For Skewed Or Sloped Connections, Add	4.09	
05 12 23 00-0365		A992/A36 Structural Steel, M Shapes (05 12 23 00-0147)		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	64.81	17.60
		For Hot Dip Galvanizing, Add	12.78	
		For High Strength Low Alloy A572-50 Steel, Add	5.83	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.96	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	46.79	15.57
		For Hot Dip Galvanizing, Add	8.38	
		For High Strength Low Alloy A572-50 Steel, Add	4.21	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.36	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	36.34	12.50
		For Hot Dip Galvanizing, Add	6.39	
		For High Strength Low Alloy A572-50 Steel, Add	3.27	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.27	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	26.25	9.02
		For Hot Dip Galvanizing, Add	4.61	
		For High Strength Low Alloy A572-50 Steel, Add	2.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	5.25	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	73.78	21.42
		For Hot Dip Galvanizing, Add	14.20	
		For High Strength Low Alloy A572-50 Steel, Add	6.64	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.76	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	17.76	6.10
		For Hot Dip Galvanizing, Add	3.12	
		For High Strength Low Alloy A572-50 Steel, Add	1.60	
		For High Strength Low Alloy A588 Grade B Steel, Add	3.55	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	71.14	21.42
		For Hot Dip Galvanizing, Add	13.39	
		For High Strength Low Alloy A572-50 Steel, Add	6.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.23	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	58.74	21.02
		For Hot Dip Galvanizing, Add	10.10	
		For High Strength Low Alloy A572-50 Steel, Add	5.29	
		For High Strength Low Alloy A588 Grade B Steel, Add	11.75	
05 12 23 00-0374		A992/A36 Structural Steel, S Shapes (05 12 23 00-0147)		
		Note: Includes material delivery and erection.		
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	388.26	89.16
		For Hot Dip Galvanizing, Add	81.36	
		For High Strength Low Alloy A572-50 Steel, Add	34.94	
		For High Strength Low Alloy A588 Grade B Steel, Add	77.65	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	344.52	82.22
		For Hot Dip Galvanizing, Add	71.28	
		For High Strength Low Alloy A572-50 Steel, Add	31.01	
		For High Strength Low Alloy A588 Grade B Steel, Add	68.90	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	329.37	81.64
		For Hot Dip Galvanizing, Add	67.24	
		For High Strength Low Alloy A572-50 Steel, Add	29.64	
		For High Strength Low Alloy A588 Grade B Steel, Add	65.87	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	300.55	77.34
		For Hot Dip Galvanizing, Add	60.52	
		For High Strength Low Alloy A572-50 Steel, Add	27.05	
		For High Strength Low Alloy A588 Grade B Steel, Add	60.11	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	271.00	72.38
		For Hot Dip Galvanizing, Add	53.79	
		For High Strength Low Alloy A572-50 Steel, Add	24.39	
		For High Strength Low Alloy A588 Grade B Steel, Add	54.20	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	316.19	78.38
		For Hot Dip Galvanizing, Add	64.55	
		For High Strength Low Alloy A572-50 Steel, Add	28.46	
		For High Strength Low Alloy A588 Grade B Steel, Add	63.24	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	287.19	73.91
		For Hot Dip Galvanizing, Add	57.83	
		For High Strength Low Alloy A572-50 Steel, Add	25.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	57.44	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	254.07	67.86
		For Hot Dip Galvanizing, Add	50.43	
		For High Strength Low Alloy A572-50 Steel, Add	22.87	
		For High Strength Low Alloy A588 Grade B Steel, Add	50.81	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	226.93	62.85
		For Hot Dip Galvanizing, Add	44.38	
		For High Strength Low Alloy A572-50 Steel, Add	20.42	
		For High Strength Low Alloy A588 Grade B Steel, Add	45.39	
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	240.69	66.66
		For Hot Dip Galvanizing, Add	47.07	
		For High Strength Low Alloy A572-50 Steel, Add	21.66	
		For High Strength Low Alloy A588 Grade B Steel, Add	48.14	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	191.01	54.82
		For Hot Dip Galvanizing, Add	36.78	
		For High Strength Low Alloy A572-50 Steel, Add	17.19	
		For High Strength Low Alloy A588 Grade B Steel, Add	38.20	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	177.40	52.76
		For Hot Dip Galvanizing, Add	33.62	
		For High Strength Low Alloy A572-50 Steel, Add	15.97	
		For High Strength Low Alloy A588 Grade B Steel, Add	35.48	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	154.75	47.64
		For Hot Dip Galvanizing, Add	28.85	
		For High Strength Low Alloy A572-50 Steel, Add	13.93	
		For High Strength Low Alloy A588 Grade B Steel, Add	30.95	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	174.60	50.12
		For Hot Dip Galvanizing, Add	33.62	
		For High Strength Low Alloy A572-50 Steel, Add	15.71	
		For High Strength Low Alloy A588 Grade B Steel, Add	34.92	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	144.76	43.05
		For Hot Dip Galvanizing, Add	27.44	
		For High Strength Low Alloy A572-50 Steel, Add	13.03	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.95	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	126.25	38.87
		For Hot Dip Galvanizing, Add	23.53	
		For High Strength Low Alloy A572-50 Steel, Add	11.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.25	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	116.70	37.18
		For Hot Dip Galvanizing, Add	21.38	
		For High Strength Low Alloy A572-50 Steel, Add	10.50	
		For High Strength Low Alloy A588 Grade B Steel, Add	23.34	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	128.44	40.93
		For Hot Dip Galvanizing, Add	23.53	
		For High Strength Low Alloy A572-50 Steel, Add	11.56	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.69	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	94.88	31.26
		For Hot Dip Galvanizing, Add	17.08	
		For High Strength Low Alloy A572-50 Steel, Add	8.54	
		For High Strength Low Alloy A588 Grade B Steel, Add	18.98	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	85.91	28.30
		For Hot Dip Galvanizing, Add	15.47	
		For High Strength Low Alloy A572-50 Steel, Add	7.73	
		For High Strength Low Alloy A588 Grade B Steel, Add	17.18	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	70.01	23.84
		For Hot Dip Galvanizing, Add	12.37	
		For High Strength Low Alloy A572-50 Steel, Add	6.30	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.00	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	76.08	25.91
		For Hot Dip Galvanizing, Add	13.45	
		For High Strength Low Alloy A572-50 Steel, Add	6.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	15.22	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	59.32	20.87
		For Hot Dip Galvanizing, Add	10.29	
		For High Strength Low Alloy A572-50 Steel, Add	5.34	
		For High Strength Low Alloy A588 Grade B Steel, Add	11.86	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	65.76	22.47
		For Hot Dip Galvanizing, Add	11.60	
		For High Strength Low Alloy A572-50 Steel, Add	5.92	
		For High Strength Low Alloy A588 Grade B Steel, Add	13.15	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	56.50	20.75
		For Hot Dip Galvanizing, Add	9.51	
		For High Strength Low Alloy A572-50 Steel, Add	5.09	
		For High Strength Low Alloy A588 Grade B Steel, Add	11.30	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	60.07	21.15	
		For Hot Dip Galvanizing, Add	10.43		
		For High Strength Low Alloy A572-50 Steel, Add	5.41		
		For High Strength Low Alloy A588 Grade B Steel, Add	12.01		
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	51.26	20.62	
		For Hot Dip Galvanizing, Add	8.09		
		For High Strength Low Alloy A572-50 Steel, Add	4.61		
		For High Strength Low Alloy A588 Grade B Steel, Add	10.25		
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	49.91	20.62	
		For Hot Dip Galvanizing, Add	7.72		
		For High Strength Low Alloy A572-50 Steel, Add	4.49		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.98		
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	46.76	20.62	
		For Hot Dip Galvanizing, Add	6.88		
		For High Strength Low Alloy A572-50 Steel, Add	4.21		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.35		
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	46.46	20.62	
		For Hot Dip Galvanizing, Add	6.80		
		For High Strength Low Alloy A572-50 Steel, Add	4.18		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.29		
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	42.72	20.49	
		For Hot Dip Galvanizing, Add	5.80		
		For High Strength Low Alloy A572-50 Steel, Add	3.84		
		For High Strength Low Alloy A588 Grade B Steel, Add	8.54		
05 12 23 00-0406		A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147)			
		Note: Includes material delivery and erection.			
05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	236.41	26.42	
		For Hot Dip Galvanizing, Add	57.79		
		For High Strength Low Alloy A572-50 Steel, Add	21.28		
		For High Strength Low Alloy A588 Grade B Steel, Add	47.28		
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	206.99	24.58	
		For Hot Dip Galvanizing, Add	50.17		
		For High Strength Low Alloy A572-50 Steel, Add	18.63		
		For High Strength Low Alloy A588 Grade B Steel, Add	41.40		
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	184.54	23.05	
		For Hot Dip Galvanizing, Add	44.39		
		For High Strength Low Alloy A572-50 Steel, Add	16.61		
		For High Strength Low Alloy A588 Grade B Steel, Add	36.91		
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	153.03	21.73	
		For Hot Dip Galvanizing, Add	36.04		
		For High Strength Low Alloy A572-50 Steel, Add	13.77		
		For High Strength Low Alloy A588 Grade B Steel, Add	30.61		
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	202.94	24.10	
		For Hot Dip Galvanizing, Add	49.19		
		For High Strength Low Alloy A572-50 Steel, Add	18.26		
		For High Strength Low Alloy A588 Grade B Steel, Add	40.59		
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	180.39	22.54	
		For Hot Dip Galvanizing, Add	43.39		
		For High Strength Low Alloy A572-50 Steel, Add	16.24		
		For High Strength Low Alloy A588 Grade B Steel, Add	36.08		
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	153.03	21.73	
		For Hot Dip Galvanizing, Add	36.04		
		For High Strength Low Alloy A572-50 Steel, Add	13.77		
		For High Strength Low Alloy A588 Grade B Steel, Add	30.61		
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	129.90	20.83	
		For Hot Dip Galvanizing, Add	29.89		
		For High Strength Low Alloy A572-50 Steel, Add	11.69		
		For High Strength Low Alloy A588 Grade B Steel, Add	25.98		
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	170.43	23.77	
		For Hot Dip Galvanizing, Add	40.26		
		For High Strength Low Alloy A572-50 Steel, Add	15.34		
		For High Strength Low Alloy A588 Grade B Steel, Add	34.09		
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	150.70	22.42	
		For Hot Dip Galvanizing, Add	35.19		
		For High Strength Low Alloy A572-50 Steel, Add	13.56		
		For High Strength Low Alloy A588 Grade B Steel, Add	30.14		
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	129.86	20.61	
		For Hot Dip Galvanizing, Add	29.94		
		For High Strength Low Alloy A572-50 Steel, Add	11.69		
		For High Strength Low Alloy A588 Grade B Steel, Add	25.97		
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	119.13	19.60	
		For Hot Dip Galvanizing, Add	27.26		
		For High Strength Low Alloy A572-50 Steel, Add	10.72		
		For High Strength Low Alloy A588 Grade B Steel, Add	23.83		
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	125.46	20.11	
		For Hot Dip Galvanizing, Add	28.87		
		For High Strength Low Alloy A572-50 Steel, Add	11.29		
		For High Strength Low Alloy A588 Grade B Steel, Add	25.09		
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	103.61	18.85	
		For Hot Dip Galvanizing, Add	23.17		
		For High Strength Low Alloy A572-50 Steel, Add	9.32		
		For High Strength Low Alloy A588 Grade B Steel, Add	20.72		



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel.....	90.22		17.77
		For Hot Dip Galvanizing, Add	19.78		
		For High Strength Low Alloy A572-50 Steel, Add	8.12		
		For High Strength Low Alloy A588 Grade B Steel, Add	18.04		
05 12 23 00-0422		Lightweight Framing Steel Shapes (05 12 23)			
		Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.			
05 12 23 00-0423		Angle Iron - L (05 12 23 00-0422)			
05 12 23 00-0424		1/8" Thick (05 12 23 00-0423)			
05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.97		1.80
		For >100 To 250, Deduct	-0.19		
		For >250 To 500, Deduct	-0.27		
		For >500 To 1,000, Deduct	-0.40		
		For >1,000, Deduct	-0.54		
		For 304 Stainless Steel, Add	1.60		
		For 316 Stainless Steel, Add	1.79		
		For Aluminum, Add	0.10		
		For Galvanized Steel, Add	0.35		
		For High Strength Steel (HSS), Add	0.59		
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.44		2.04
		For >100 To 250, Deduct	-0.22		
		For >250 To 500, Deduct	-0.31		
		For >500 To 1,000, Deduct	-0.46		
		For >1,000, Deduct	-0.62		
		For 304 Stainless Steel, Add	2.02		
		For 316 Stainless Steel, Add	2.27		
		For Aluminum, Add	0.13		
		For Galvanized Steel, Add	0.44		
		For High Strength Steel (HSS), Add	0.69		
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.89		2.26
		For >100 To 250, Deduct	-0.25		
		For >250 To 500, Deduct	-0.35		
		For >500 To 1,000, Deduct	-0.52		
		For >1,000, Deduct	-0.69		
		For 304 Stainless Steel, Add	2.51		
		For 316 Stainless Steel, Add	2.82		
		For Aluminum, Add	0.16		
		For Galvanized Steel, Add	0.55		
		For High Strength Steel (HSS), Add	0.78		
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.36		2.51
		For >100 To 250, Deduct	-0.28		
		For >250 To 500, Deduct	-0.39		
		For >500 To 1,000, Deduct	-0.58		
		For >1,000, Deduct	-0.77		
		For 304 Stainless Steel, Add	2.91		
		For 316 Stainless Steel, Add	3.26		
		For Aluminum, Add	0.18		
		For Galvanized Steel, Add	0.63		
		For High Strength Steel (HSS), Add	0.87		
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.80		2.71
		For >100 To 250, Deduct	-0.30		
		For >250 To 500, Deduct	-0.42		
		For >500 To 1,000, Deduct	-0.63		
		For >1,000, Deduct	-0.84		
		For 304 Stainless Steel, Add	3.39		
		For 316 Stainless Steel, Add	3.81		
		For Aluminum, Add	0.21		
		For Galvanized Steel, Add	0.74		
		For High Strength Steel (HSS), Add	0.96		
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.75		3.18
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.50		
		For >500 To 1,000, Deduct	-0.75		
		For >1,000, Deduct	-1.00		
		For 304 Stainless Steel, Add	4.28		
		For 316 Stainless Steel, Add	4.80		
		For Aluminum, Add	0.27		
		For Galvanized Steel, Add	0.93		
		For High Strength Steel (HSS), Add	1.15		
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.75		3.18
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.50		
		For >500 To 1,000, Deduct	-0.75		
		For >1,000, Deduct	-1.00		
		For 304 Stainless Steel, Add	4.28		
		For 316 Stainless Steel, Add	4.80		
		For Aluminum, Add	0.27		
		For Galvanized Steel, Add	0.93		
		For High Strength Steel (HSS), Add	1.15		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.36	3.42
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000, Deduct	-1.09	
			For 304 Stainless Steel, Add	5.13	
			For 316 Stainless Steel, Add	5.76	
			For Aluminum, Add	0.32	
			For Galvanized Steel, Add	1.12	
			For High Strength Steel (HSS), Add	1.27	
05 12 23 00-0433	LF		1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.86	3.53
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.16	
			For 304 Stainless Steel, Add	6.10	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For High Strength Steel (HSS), Add	1.37	
05 12 23 00-0434	LF		2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.86	3.53
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.16	
			For 304 Stainless Steel, Add	6.10	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For High Strength Steel (HSS), Add	1.37	
05 12 23 00-0435	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	7.32	3.66
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000, Deduct	-1.22	
			For 304 Stainless Steel, Add	6.98	
			For 316 Stainless Steel, Add	7.84	
			For Aluminum, Add	0.44	
			For Galvanized Steel, Add	1.52	
			For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0436			3/16" Thick (05 12 23 00-0423)		
05 12 23 00-0437	LF		1" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	5.54	2.86
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.47	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.94	
			For 304 Stainless Steel, Add	4.90	
			For 316 Stainless Steel, Add	5.50	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.07	
			For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0438	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.68	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.12	
			For 304 Stainless Steel, Add	6.24	
			For 316 Stainless Steel, Add	7.01	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.36	
			For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0439	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.68	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.12	
			For 304 Stainless Steel, Add	6.24	
			For 316 Stainless Steel, Add	7.01	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.36	
			For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0440	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.48	3.61
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000, Deduct	-1.23	
			For 304 Stainless Steel, Add	7.61	
			For 316 Stainless Steel, Add	8.54	
			For Aluminum, Add	0.48	
			For Galvanized Steel, Add	1.66	
			For High Strength Steel (HSS), Add	1.50	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0441	LF		1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	8.14	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000, Deduct	-1.31	
			For 304 Stainless Steel, Add	8.98	
			For 316 Stainless Steel, Add	10.08	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For High Strength Steel (HSS), Add	1.63	
05 12 23 00-0442	LF		2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.14	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000, Deduct	-1.31	
			For 304 Stainless Steel, Add	8.98	
			For 316 Stainless Steel, Add	10.08	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For High Strength Steel (HSS), Add	1.63	
05 12 23 00-0443	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.79	3.87
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.70	
			For >500 To 1,000, Deduct	-1.05	
			For >1,000, Deduct	-1.40	
			For 304 Stainless Steel, Add	10.35	
			For 316 Stainless Steel, Add	11.62	
			For Aluminum, Add	0.65	
			For Galvanized Steel, Add	2.25	
			For High Strength Steel (HSS), Add	1.76	
05 12 23 00-0444	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.62	4.14
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.14	
			For >1,000, Deduct	-1.52	
			For 304 Stainless Steel, Add	11.66	
			For 316 Stainless Steel, Add	13.09	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.54	
			For High Strength Steel (HSS), Add	1.92	
05 12 23 00-0445	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.49	4.44
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.82	
			For >500 To 1,000, Deduct	-1.23	
			For >1,000, Deduct	-1.64	
			For 304 Stainless Steel, Add	13.02	
			For 316 Stainless Steel, Add	14.62	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.83	
			For High Strength Steel (HSS), Add	2.10	
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.48	4.44
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.82	
			For >500 To 1,000, Deduct	-1.23	
			For >1,000, Deduct	-1.64	
			For 304 Stainless Steel, Add	13.00	
			For 316 Stainless Steel, Add	14.59	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.83	
			For High Strength Steel (HSS), Add	2.10	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.58	4.90
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-0.91	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000, Deduct	-1.81	
			For 304 Stainless Steel, Add	14.36	
			For 316 Stainless Steel, Add	16.13	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.12	
			For High Strength Steel (HSS), Add	2.32	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.66	5.37
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.99	
			For >500 To 1,000, Deduct	-1.49	
			For >1,000, Deduct	-1.98	
			For 304 Stainless Steel, Add	15.70	
			For 316 Stainless Steel, Add	17.63	
			For Aluminum, Add	0.99	
			For Galvanized Steel, Add	3.42	
			For High Strength Steel (HSS), Add	2.53	

05 12 23 00-0449 1/4" Thick (05 12 23 00-0423)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	6.61	3.31
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	6.24	
			For 316 Stainless Steel, Add	7.01	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.36	
			For High Strength Steel (HSS), Add	1.32	
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.56	3.55
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.62	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000, Deduct	-1.23	
			For 304 Stainless Steel, Add	8.04	
			For 316 Stainless Steel, Add	9.02	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
			For High Strength Steel (HSS), Add	1.51	
05 12 23 00-0452	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.56	3.55
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.62	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000, Deduct	-1.23	
			For 304 Stainless Steel, Add	8.04	
			For 316 Stainless Steel, Add	9.02	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
			For High Strength Steel (HSS), Add	1.51	
05 12 23 00-0453	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.52	3.81
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.68	
			For >500 To 1,000, Deduct	-1.02	
			For >1,000, Deduct	-1.36	
			For 304 Stainless Steel, Add	9.80	
			For 316 Stainless Steel, Add	11.01	
			For Aluminum, Add	0.62	
			For Galvanized Steel, Add	2.13	
			For High Strength Steel (HSS), Add	1.70	
05 12 23 00-0454	LF		1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.37	3.93
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.73	
			For >500 To 1,000, Deduct	-1.10	
			For >1,000, Deduct	-1.46	
			For 304 Stainless Steel, Add	11.74	
			For 316 Stainless Steel, Add	13.18	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.55	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0455	LF		2" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	8.30	3.69
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000, Deduct	-1.31	
			For 304 Stainless Steel, Add	9.89	
			For 316 Stainless Steel, Add	11.10	
			For Aluminum, Add	0.62	
			For Galvanized Steel, Add	2.15	
			For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0456	LF		2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.36	3.93
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.73	
			For >500 To 1,000, Deduct	-1.10	
			For >1,000, Deduct	-1.46	
			For 304 Stainless Steel, Add	11.71	
			For 316 Stainless Steel, Add	13.15	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.55	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0457	LF		2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	10.14	4.06
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000, Deduct	-1.56	
			For 304 Stainless Steel, Add	13.48	
			For 316 Stainless Steel, Add	15.14	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.93	
			For High Strength Steel (HSS), Add	2.03	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0458	LF		2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.38	4.50
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.74	
			For 304 Stainless Steel, Add	15.33	
			For 316 Stainless Steel, Add	17.22	
			For Aluminum, Add	0.97	
			For Galvanized Steel, Add	3.34	
			For High Strength Steel (HSS), Add	2.28	
05 12 23 00-0459	LF		2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.66	4.93
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.44	
			For >1,000, Deduct	-1.92	
			For 304 Stainless Steel, Add	17.33	
			For 316 Stainless Steel, Add	19.46	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.77	
			For High Strength Steel (HSS), Add	2.53	
05 12 23 00-0460	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.66	4.93
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.44	
			For >1,000, Deduct	-1.92	
			For 304 Stainless Steel, Add	17.33	
			For 316 Stainless Steel, Add	19.46	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.77	
			For High Strength Steel (HSS), Add	2.53	
05 12 23 00-0461	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.98	5.47
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.06	
			For >500 To 1,000, Deduct	-1.60	
			For >1,000, Deduct	-2.13	
			For 304 Stainless Steel, Add	19.07	
			For 316 Stainless Steel, Add	21.41	
			For Aluminum, Add	1.20	
			For Galvanized Steel, Add	4.15	
			For High Strength Steel (HSS), Add	2.80	
05 12 23 00-0462	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron	15.28	6.01
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.17	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.33	
			For 304 Stainless Steel, Add	20.69	
			For 316 Stainless Steel, Add	23.23	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.50	
			For High Strength Steel (HSS), Add	3.06	
05 12 23 00-0463	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.62	6.47
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.26	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000, Deduct	-2.52	
			For 304 Stainless Steel, Add	22.80	
			For 316 Stainless Steel, Add	25.60	
			For Aluminum, Add	1.44	
			For Galvanized Steel, Add	4.96	
			For High Strength Steel (HSS), Add	3.32	
05 12 23 00-0464	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.62	0.67
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000, Deduct	-2.66	
			For 304 Stainless Steel, Add	24.57	
			For 316 Stainless Steel, Add	27.58	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.34	
			For High Strength Steel (HSS), Add	3.52	
05 12 23 00-0465	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.62	6.76
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000, Deduct	-2.66	
			For 304 Stainless Steel, Add	24.57	
			For 316 Stainless Steel, Add	27.58	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.34	
			For High Strength Steel (HSS), Add	3.52	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0466	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.57	7.04
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.10	
			For >1,000, Deduct	-2.80	
			For 304 Stainless Steel, Add	26.19	
			For 316 Stainless Steel, Add	29.41	
			For Aluminum, Add	1.65	
			For Galvanized Steel, Add	5.70	
			For High Strength Steel (HSS), Add	3.71	
05 12 23 00-0467	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.59	7.33
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	27.96	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For High Strength Steel (HSS), Add	3.92	
05 12 23 00-0468	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.59	7.33
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	27.96	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For High Strength Steel (HSS), Add	3.92	
05 12 23 00-0469	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	20.69	7.73
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.55	
			For >500 To 1,000, Deduct	-2.33	
			For >1,000, Deduct	-3.10	
			For 304 Stainless Steel, Add	29.58	
			For 316 Stainless Steel, Add	33.22	
			For Aluminum, Add	1.87	
			For Galvanized Steel, Add	6.44	
			For High Strength Steel (HSS), Add	4.14	
05 12 23 00-0470			5/16" Thick (05 12 23 00-0423)		
05 12 23 00-0471	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.66	5.23
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000, Deduct	-2.06	
			For 304 Stainless Steel, Add	19.07	
			For 316 Stainless Steel, Add	21.41	
			For Aluminum, Add	1.20	
			For Galvanized Steel, Add	4.15	
			For High Strength Steel (HSS), Add	2.73	
05 12 23 00-0472	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.82	5.54
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000, Deduct	-2.22	
			For 304 Stainless Steel, Add	21.18	
			For 316 Stainless Steel, Add	23.78	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.61	
			For High Strength Steel (HSS), Add	2.96	
05 12 23 00-0473	LF		3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	14.82	5.54
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000, Deduct	-2.22	
			For 304 Stainless Steel, Add	21.18	
			For 316 Stainless Steel, Add	23.78	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.61	
			For High Strength Steel (HSS), Add	2.96	
05 12 23 00-0474	LF		3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.42	6.07
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.45	
			For 304 Stainless Steel, Add	23.71	
			For 316 Stainless Steel, Add	26.62	
			For Aluminum, Add	1.50	
			For Galvanized Steel, Add	5.16	
			For High Strength Steel (HSS), Add	3.28	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0475	LF		3" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.86	6.61
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000, Deduct	-2.67	
			For 304 Stainless Steel, Add	25.82	
			For 316 Stainless Steel, Add	28.99	
			For Aluminum, Add	1.63	
			For Galvanized Steel, Add	5.62	
			For High Strength Steel (HSS), Add	3.57	
05 12 23 00-0476	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.06	6.94
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.42	
			For >500 To 1,000, Deduct	-2.12	
			For >1,000, Deduct	-2.83	
			For 304 Stainless Steel, Add	27.96	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For High Strength Steel (HSS), Add	3.81	
05 12 23 00-0477	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.38	7.28
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000, Deduct	-3.01	
			For 304 Stainless Steel, Add	30.41	
			For 316 Stainless Steel, Add	34.14	
			For Aluminum, Add	1.92	
			For Galvanized Steel, Add	6.62	
			For High Strength Steel (HSS), Add	4.08	
05 12 23 00-0478	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron	20.38	7.28
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000, Deduct	-3.01	
			For 304 Stainless Steel, Add	30.41	
			For 316 Stainless Steel, Add	34.14	
			For Aluminum, Add	1.92	
			For Galvanized Steel, Add	6.62	
			For High Strength Steel (HSS), Add	4.08	
05 12 23 00-0479	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	21.67	7.69
			For >100 To 250, Deduct	-1.05	
			For >250 To 500, Deduct	-1.60	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.19	
			For 304 Stainless Steel, Add	32.52	
			For 316 Stainless Steel, Add	36.51	
			For Aluminum, Add	2.05	
			For Galvanized Steel, Add	7.07	
			For High Strength Steel (HSS), Add	4.33	
05 12 23 00-0480	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.92	8.04
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.37	
			For 304 Stainless Steel, Add	34.74	
			For 316 Stainless Steel, Add	39.01	
			For Aluminum, Add	2.19	
			For Galvanized Steel, Add	7.56	
			For High Strength Steel (HSS), Add	4.58	
05 12 23 00-0481	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.92	8.04
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.37	
			For 304 Stainless Steel, Add	34.74	
			For 316 Stainless Steel, Add	39.01	
			For Aluminum, Add	2.19	
			For Galvanized Steel, Add	7.56	
			For High Strength Steel (HSS), Add	4.58	
05 12 23 00-0482	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	24.07	8.38
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.52	
			For 304 Stainless Steel, Add	36.77	
			For 316 Stainless Steel, Add	41.28	
			For Aluminum, Add	2.32	
			For Galvanized Steel, Add	8.00	
			For High Strength Steel (HSS), Add	4.81	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0483	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	26.95	8.73
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-3.86	
			For 304 Stainless Steel, Add	43.63	
			For 316 Stainless Steel, Add	48.99	
			For Aluminum, Add	2.76	
			For Galvanized Steel, Add	9.49	
			For High Strength Steel (HSS), Add	5.39	
05 12 23 00-0484	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.66	9.09
			For >100 To 250, Deduct	-1.27	
			For >250 To 500, Deduct	-1.94	
			For >500 To 1,000, Deduct	-2.91	
			For >1,000, Deduct	-3.88	
			For 304 Stainless Steel, Add	41.41	
			For 316 Stainless Steel, Add	46.50	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.01	
			For High Strength Steel (HSS), Add	5.33	
05 12 23 00-0485			3/8" Thick (05 12 23 00-0423)		
05 12 23 00-0486	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	16.48	5.80
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.82	
			For >1,000, Deduct	-2.42	
			For 304 Stainless Steel, Add	24.94	
			For 316 Stainless Steel, Add	28.00	
			For Aluminum, Add	1.58	
			For Galvanized Steel, Add	5.43	
			For High Strength Steel (HSS), Add	3.30	
05 12 23 00-0487	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.19	6.28
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.66	
			For 304 Stainless Steel, Add	27.96	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For High Strength Steel (HSS), Add	3.64	
05 12 23 00-0488	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	19.69	6.77
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.44	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.87	
			For 304 Stainless Steel, Add	30.41	
			For 316 Stainless Steel, Add	34.14	
			For Aluminum, Add	1.92	
			For Galvanized Steel, Add	6.62	
			For High Strength Steel (HSS), Add	3.94	
05 12 23 00-0489	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.00	6.95
			For >100 To 250, Deduct	-0.99	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.27	
			For >1,000, Deduct	-3.03	
			For 304 Stainless Steel, Add	33.46	
			For 316 Stainless Steel, Add	37.57	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.28	
			For High Strength Steel (HSS), Add	4.20	
05 12 23 00-0490	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.38	7.33
			For >100 To 250, Deduct	-1.05	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.41	
			For >1,000, Deduct	-3.22	
			For 304 Stainless Steel, Add	35.91	
			For 316 Stainless Steel, Add	40.32	
			For Aluminum, Add	2.27	
			For Galvanized Steel, Add	7.81	
			For High Strength Steel (HSS), Add	4.48	
05 12 23 00-0491	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	22.38	7.33
			For >100 To 250, Deduct	-1.05	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.41	
			For >1,000, Deduct	-3.22	
			For 304 Stainless Steel, Add	35.91	
			For 316 Stainless Steel, Add	40.32	
			For Aluminum, Add	2.27	
			For Galvanized Steel, Add	7.81	
			For High Strength Steel (HSS), Add	4.48	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 12 23 00-0492	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	24.14		7.99
	For >100 To 250, Deduct	-1.14		
	For >250 To 500, Deduct	-1.74		
	For >500 To 1,000, Deduct	-2.61		
	For >1,000, Deduct	-3.48		
	For 304 Stainless Steel, Add	38.45		
	For 316 Stainless Steel, Add	43.17		
	For Aluminum, Add	2.43		
	For Galvanized Steel, Add	8.36		
	For High Strength Steel (HSS), Add	4.83		
05 12 23 00-0493	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron	25.49		8.22
	For >100 To 250, Deduct	-1.19		
	For >250 To 500, Deduct	-1.82		
	For >500 To 1,000, Deduct	-2.73		
	For >1,000, Deduct	-3.65		
	For 304 Stainless Steel, Add	41.41		
	For 316 Stainless Steel, Add	46.50		
	For Aluminum, Add	2.62		
	For Galvanized Steel, Add	9.01		
	For High Strength Steel (HSS), Add	5.10		
05 12 23 00-0494	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron	25.93		8.55
	For >100 To 250, Deduct	-1.22		
	For >250 To 500, Deduct	-1.87		
	For >500 To 1,000, Deduct	-2.80		
	For >1,000, Deduct	-3.73		
	For 304 Stainless Steel, Add	41.41		
	For 316 Stainless Steel, Add	46.50		
	For Aluminum, Add	2.62		
	For Galvanized Steel, Add	9.01		
	For High Strength Steel (HSS), Add	5.19		
05 12 23 00-0495	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	27.71		9.21
	For >100 To 250, Deduct	-1.31		
	For >250 To 500, Deduct	-2.00		
	For >500 To 1,000, Deduct	-3.00		
	For >1,000, Deduct	-4.00		
	For 304 Stainless Steel, Add	43.95		
	For 316 Stainless Steel, Add	49.34		
	For Aluminum, Add	2.78		
	For Galvanized Steel, Add	9.56		
	For High Strength Steel (HSS), Add	5.54		
05 12 23 00-0496	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron	32.59		10.74
	For >100 To 250, Deduct	-1.53		
	For >250 To 500, Deduct	-2.35		
	For >500 To 1,000, Deduct	-3.52		
	For >1,000, Deduct	-4.69		
	For 304 Stainless Steel, Add	52.10		
	For 316 Stainless Steel, Add	58.50		
	For Aluminum, Add	3.29		
	For Galvanized Steel, Add	11.33		
	For High Strength Steel (HSS), Add	6.52		
05 12 23 00-0497	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	30.64		9.98
	For >100 To 250, Deduct	-1.43		
	For >250 To 500, Deduct	-2.20		
	For >500 To 1,000, Deduct	-3.30		
	For >1,000, Deduct	-4.39		
	For 304 Stainless Steel, Add	49.42		
	For 316 Stainless Steel, Add	55.49		
	For Aluminum, Add	3.12		
	For Galvanized Steel, Add	10.75		
	For High Strength Steel (HSS), Add	6.13		
05 12 23 00-0498	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron	32.59		10.74
	For >100 To 250, Deduct	-1.53		
	For >250 To 500, Deduct	-2.35		
	For >500 To 1,000, Deduct	-3.52		
	For >1,000, Deduct	-4.69		
	For 304 Stainless Steel, Add	52.10		
	For 316 Stainless Steel, Add	58.50		
	For Aluminum, Add	3.29		
	For Galvanized Steel, Add	11.33		
	For High Strength Steel (HSS), Add	6.52		
05 12 23 00-0499	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron	39.31		12.88
	For >100 To 250, Deduct	-1.84		
	For >250 To 500, Deduct	-2.82		
	For >500 To 1,000, Deduct	-4.24		
	For >1,000, Deduct	-5.65		
	For 304 Stainless Steel, Add	63.10		
	For 316 Stainless Steel, Add	70.85		
	For Aluminum, Add	3.99		
	For Galvanized Steel, Add	13.73		
	For High Strength Steel (HSS), Add	7.86		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	35.96		11.81
		For >100 To 250, Deduct	-1.69		
		For >250 To 500, Deduct	-2.59		
		For >500 To 1,000, Deduct	-3.88		
		For >1,000, Deduct	-5.17		
		For 304 Stainless Steel, Add	57.60		
		For 316 Stainless Steel, Add	64.67		
		For Aluminum, Add	3.64		
		For Galvanized Steel, Add	12.53		
		For High Strength Steel (HSS), Add	7.19		
05 12 23 00-0501 1/2" Thick (05 12 23 00-0423)					
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	23.18		6.91
		For >100 To 250, Deduct	-1.04		
		For >250 To 500, Deduct	-1.62		
		For >500 To 1,000, Deduct	-2.43		
		For >1,000, Deduct	-3.24		
		For 304 Stainless Steel, Add	39.81		
		For 316 Stainless Steel, Add	44.70		
		For Aluminum, Add	2.51		
		For Galvanized Steel, Add	8.66		
		For High Strength Steel (HSS), Add	4.64		
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	27.39		8.17
		For >100 To 250, Deduct	-1.23		
		For >250 To 500, Deduct	-1.91		
		For >500 To 1,000, Deduct	-2.87		
		For >1,000, Deduct	-3.83		
		For 304 Stainless Steel, Add	47.03		
		For 316 Stainless Steel, Add	52.80		
		For Aluminum, Add	2.97		
		For Galvanized Steel, Add	10.23		
		For High Strength Steel (HSS), Add	5.48		
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	29.34		8.75
		For >100 To 250, Deduct	-1.32		
		For >250 To 500, Deduct	-2.05		
		For >500 To 1,000, Deduct	-3.08		
		For >1,000, Deduct	-4.10		
		For 304 Stainless Steel, Add	50.39		
		For 316 Stainless Steel, Add	56.58		
		For Aluminum, Add	3.18		
		For Galvanized Steel, Add	10.96		
		For High Strength Steel (HSS), Add	5.87		
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	31.57		9.42
		For >100 To 250, Deduct	-1.42		
		For >250 To 500, Deduct	-2.21		
		For >500 To 1,000, Deduct	-3.31		
		For >1,000, Deduct	-4.41		
		For 304 Stainless Steel, Add	54.21		
		For 316 Stainless Steel, Add	60.86		
		For Aluminum, Add	3.42		
		For Galvanized Steel, Add	11.79		
		For High Strength Steel (HSS), Add	6.31		
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	31.57		9.42
		For >100 To 250, Deduct	-1.42		
		For >250 To 500, Deduct	-2.21		
		For >500 To 1,000, Deduct	-3.31		
		For >1,000, Deduct	-4.41		
		For 304 Stainless Steel, Add	54.21		
		For 316 Stainless Steel, Add	60.86		
		For Aluminum, Add	3.42		
		For Galvanized Steel, Add	11.79		
		For High Strength Steel (HSS), Add	6.31		
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	33.54		10.00
		For >100 To 250, Deduct	-1.51		
		For >250 To 500, Deduct	-2.34		
		For >500 To 1,000, Deduct	-3.52		
		For >1,000, Deduct	-4.69		
		For 304 Stainless Steel, Add	57.60		
		For 316 Stainless Steel, Add	64.67		
		For Aluminum, Add	3.64		
		For Galvanized Steel, Add	12.53		
		For High Strength Steel (HSS), Add	6.71		
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	39.95		11.91
		For >100 To 250, Deduct	-1.79		
		For >250 To 500, Deduct	-2.79		
		For >500 To 1,000, Deduct	-4.19		
		For >1,000, Deduct	-5.58		
		For 304 Stainless Steel, Add	68.60		
		For 316 Stainless Steel, Add	77.02		
		For Aluminum, Add	4.33		
		For Galvanized Steel, Add	14.92		
		For High Strength Steel (HSS), Add	7.99		



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0509	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron	39.95	11.91
			For >100 To 250, Deduct	-1.79	
			For >250 To 500, Deduct	-2.79	
			For >500 To 1,000, Deduct	-4.19	
			For >1,000, Deduct	-5.58	
			For 304 Stainless Steel, Add	68.60	
			For 316 Stainless Steel, Add	77.02	
			For Aluminum, Add	4.33	
			For Galvanized Steel, Add	14.92	
			For High Strength Steel (HSS), Add	7.99	
05 12 23 00-0510	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron	48.33	14.41
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.38	
			For >500 To 1,000, Deduct	-5.07	
			For >1,000, Deduct	-6.75	
			For 304 Stainless Steel, Add	82.99	
			For 316 Stainless Steel, Add	93.18	
			For Aluminum, Add	5.24	
			For Galvanized Steel, Add	18.05	
			For High Strength Steel (HSS), Add	9.67	
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron	44.13	13.16
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-3.08	
			For >500 To 1,000, Deduct	-4.63	
			For >1,000, Deduct	-6.17	
			For 304 Stainless Steel, Add	75.78	
			For 316 Stainless Steel, Add	85.09	
			For Aluminum, Add	4.79	
			For Galvanized Steel, Add	16.49	
			For High Strength Steel (HSS), Add	8.83	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron	48.33	14.41
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.38	
			For >500 To 1,000, Deduct	-5.07	
			For >1,000, Deduct	-6.75	
			For 304 Stainless Steel, Add	82.99	
			For 316 Stainless Steel, Add	93.18	
			For Aluminum, Add	5.24	
			For Galvanized Steel, Add	18.05	
			For High Strength Steel (HSS), Add	9.67	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron	56.73	16.92
			For >100 To 250, Deduct	-2.55	
			For >250 To 500, Deduct	-3.96	
			For >500 To 1,000, Deduct	-5.95	
			For >1,000, Deduct	-7.93	
			For 304 Stainless Steel, Add	97.41	
			For 316 Stainless Steel, Add	109.38	
			For Aluminum, Add	6.15	
			For Galvanized Steel, Add	21.19	
			For High Strength Steel (HSS), Add	11.35	
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron	65.10	19.42
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-4.55	
			For >500 To 1,000, Deduct	-6.82	
			For >1,000, Deduct	-9.10	
			For 304 Stainless Steel, Add	111.78	
			For 316 Stainless Steel, Add	125.50	
			For Aluminum, Add	7.06	
			For Galvanized Steel, Add	24.32	
			For High Strength Steel (HSS), Add	13.02	
05 12 23 00-0515 5/8" Thick (05 12 23 00-0423)					
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron	37.71	10.79
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.60	
			For >500 To 1,000, Deduct	-3.91	
			For >1,000, Deduct	-5.21	
			For 316 Stainless Steel, Add	74.66	
			For Aluminum, Add	4.20	
			For Galvanized Steel, Add	14.46	
			For High Strength Steel (HSS), Add	7.54	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	40.37	11.54
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.79	
			For >500 To 1,000, Deduct	-4.18	
			For >1,000, Deduct	-5.58	
			For 316 Stainless Steel, Add	79.90	
			For Aluminum, Add	4.49	
			For Galvanized Steel, Add	15.48	
			For High Strength Steel (HSS), Add	8.07	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	48.04	13.75
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.32	
			For >500 To 1,000, Deduct	-4.98	
			For >1,000, Deduct	-6.64	
			For 316 Stainless Steel, Add	95.07	
			For Aluminum, Add	5.35	
			For Galvanized Steel, Add	18.42	
			For High Strength Steel (HSS), Add	9.61	
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	48.04	13.75
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.32	
			For >500 To 1,000, Deduct	-4.98	
			For >1,000, Deduct	-6.64	
			For 316 Stainless Steel, Add	95.07	
			For Aluminum, Add	5.35	
			For Galvanized Steel, Add	18.42	
			For High Strength Steel (HSS), Add	9.61	
05 12 23 00-0520	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	58.14	16.63
			For >100 To 250, Deduct	-2.56	
			For >250 To 500, Deduct	-4.02	
			For >500 To 1,000, Deduct	-6.02	
			For >1,000, Deduct	-8.03	
			For 316 Stainless Steel, Add	115.07	
			For Aluminum, Add	6.47	
			For Galvanized Steel, Add	22.30	
			For High Strength Steel (HSS), Add	11.63	
05 12 23 00-0521	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	53.09	15.19
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-3.67	
			For >500 To 1,000, Deduct	-5.50	
			For >1,000, Deduct	-7.33	
			For 316 Stainless Steel, Add	105.09	
			For Aluminum, Add	5.91	
			For Galvanized Steel, Add	20.36	
			For High Strength Steel (HSS), Add	10.62	
05 12 23 00-0522	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	68.46	19.59
			For >100 To 250, Deduct	-3.02	
			For >250 To 500, Deduct	-4.73	
			For >500 To 1,000, Deduct	-7.09	
			For >1,000, Deduct	-9.46	
			For 316 Stainless Steel, Add	135.52	
			For Aluminum, Add	7.62	
			For Galvanized Steel, Add	26.26	
			For High Strength Steel (HSS), Add	13.69	
05 12 23 00-0523	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	78.56	22.47
			For >100 To 250, Deduct	-3.46	
			For >250 To 500, Deduct	-5.43	
			For >500 To 1,000, Deduct	-8.14	
			For >1,000, Deduct	-10.85	
			For 316 Stainless Steel, Add	155.52	
			For Aluminum, Add	8.75	
			For Galvanized Steel, Add	30.13	
			For High Strength Steel (HSS), Add	15.71	
05 12 23 00-0524			3/4" Thick (05 12 23 00-0423)		
05 12 23 00-0525	LF		4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	43.40	11.92
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-4.45	
			For >1,000, Deduct	-5.93	
			For 316 Stainless Steel, Add	88.00	
			For Aluminum, Add	4.95	
			For Galvanized Steel, Add	17.05	
			For High Strength Steel (HSS), Add	8.68	
05 12 23 00-0526	LF		5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	46.43	12.76
			For >100 To 250, Deduct	-2.01	
			For >250 To 500, Deduct	-3.17	
			For >500 To 1,000, Deduct	-4.76	
			For >1,000, Deduct	-6.34	
			For 316 Stainless Steel, Add	94.14	
			For Aluminum, Add	5.30	
			For Galvanized Steel, Add	18.24	
			For High Strength Steel (HSS), Add	9.29	
05 12 23 00-0527	LF		5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	55.34	15.21
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-3.78	
			For >500 To 1,000, Deduct	-5.67	
			For >1,000, Deduct	-7.56	
			For 316 Stainless Steel, Add	112.22	
			For Aluminum, Add	6.31	
			For Galvanized Steel, Add	21.74	
			For High Strength Steel (HSS), Add	11.07	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0528	LF		6" x 4" x 3/4" Thick, Plain Steel Angle Iron	55.34	15.21
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-3.78	
			For >500 To 1,000, Deduct	-5.67	
			For >1,000, Deduct	-7.56	
			For 316 Stainless Steel, Add	112.22	
			For Aluminum, Add	6.31	
			For Galvanized Steel, Add	21.74	
			For High Strength Steel (HSS), Add	11.07	
05 12 23 00-0529	LF		6" x 6" x 3/4" Thick, Plain Steel Angle Iron	67.31	18.49
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-4.60	
			For >500 To 1,000, Deduct	-6.90	
			For >1,000, Deduct	-9.20	
			For 316 Stainless Steel, Add	136.48	
			For Aluminum, Add	7.68	
			For Galvanized Steel, Add	26.44	
			For High Strength Steel (HSS), Add	13.46	
05 12 23 00-0530	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron	61.44	16.88
			For >100 To 250, Deduct	-2.66	
			For >250 To 500, Deduct	-4.20	
			For >500 To 1,000, Deduct	-6.30	
			For >1,000, Deduct	-8.40	
			For 316 Stainless Steel, Add	124.58	
			For Aluminum, Add	7.01	
			For Galvanized Steel, Add	24.14	
			For High Strength Steel (HSS), Add	12.29	
05 12 23 00-0531	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron	67.31	18.49
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-4.60	
			For >500 To 1,000, Deduct	-6.90	
			For >1,000, Deduct	-9.20	
			For 316 Stainless Steel, Add	136.48	
			For Aluminum, Add	7.68	
			For Galvanized Steel, Add	26.44	
			For High Strength Steel (HSS), Add	13.46	
05 12 23 00-0532	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron	79.27	21.77
			For >100 To 250, Deduct	-3.43	
			For >250 To 500, Deduct	-5.42	
			For >500 To 1,000, Deduct	-8.12	
			For >1,000, Deduct	-10.83	
			For 316 Stainless Steel, Add	160.77	
			For Aluminum, Add	9.04	
			For Galvanized Steel, Add	31.15	
			For High Strength Steel (HSS), Add	15.85	
05 12 23 00-0533	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron	91.23	25.06
			For >100 To 250, Deduct	-3.95	
			For >250 To 500, Deduct	-6.23	
			For >500 To 1,000, Deduct	-9.35	
			For >1,000, Deduct	-12.47	
			For 316 Stainless Steel, Add	184.99	
			For Aluminum, Add	10.41	
			For Galvanized Steel, Add	35.84	
			For High Strength Steel (HSS), Add	18.25	
05 12 23 00-0534			7/8" Thick (05 12 23 00-0423)		
05 12 23 00-0535	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron	62.21	16.35
			For >100 To 250, Deduct	-2.65	
			For >250 To 500, Deduct	-4.20	
			For >500 To 1,000, Deduct	-6.30	
			For >1,000, Deduct	-8.40	
			For 316 Stainless Steel, Add	129.31	
			For Aluminum, Add	7.27	
			For Galvanized Steel, Add	25.05	
			For High Strength Steel (HSS), Add	12.44	
05 12 23 00-0536	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron	62.21	16.35
			For >100 To 250, Deduct	-2.65	
			For >250 To 500, Deduct	-4.20	
			For >500 To 1,000, Deduct	-6.30	
			For >1,000, Deduct	-8.40	
			For 316 Stainless Steel, Add	129.31	
			For Aluminum, Add	7.27	
			For Galvanized Steel, Add	25.05	
			For High Strength Steel (HSS), Add	12.44	
05 12 23 00-0537	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron	75.73	19.91
			For >100 To 250, Deduct	-3.22	
			For >250 To 500, Deduct	-5.11	
			For >500 To 1,000, Deduct	-7.67	
			For >1,000, Deduct	-10.23	
			For 316 Stainless Steel, Add	157.41	
			For Aluminum, Add	8.85	
			For Galvanized Steel, Add	30.50	
			For High Strength Steel (HSS), Add	15.15	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	89.46	23.51
			For >100 To 250, Deduct	-3.80	
			For >250 To 500, Deduct	-6.04	
			For >500 To 1,000, Deduct	-9.06	
			For >1,000, Deduct	-12.08	
			For 316 Stainless Steel, Add	185.95	
			For Aluminum, Add	10.46	
			For Galvanized Steel, Add	36.03	
			For High Strength Steel (HSS), Add	17.89	
05 12 23 00-0539	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	102.94	27.07
			For >100 To 250, Deduct	-4.38	
			For >250 To 500, Deduct	-6.95	
			For >500 To 1,000, Deduct	-10.43	
			For >1,000, Deduct	-13.90	
			For 316 Stainless Steel, Add	213.95	
			For Aluminum, Add	12.03	
			For Galvanized Steel, Add	41.45	
			For High Strength Steel (HSS), Add	20.59	
05 12 23 00-0540 Bar Channel (05 12 23 00-0422)					
05 12 23 00-0541	LF		1" x 1/2" x 1/8" Thick Bar Channel	5.23	
			For 304 Stainless Steel, Add	4.62	
			For 316 Stainless Steel, Add	5.18	
			For Aluminum, Add	0.29	
			For Galvanized Steel, Add	1.00	
			For High Strength Steel (HSS), Add	1.05	
05 12 23 00-0542	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.87	
			For 304 Stainless Steel, Add	5.53	
			For 316 Stainless Steel, Add	6.21	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.20	
			For High Strength Steel (HSS), Add	1.17	
05 12 23 00-0543	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.39	
			For 304 Stainless Steel, Add	6.10	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For High Strength Steel (HSS), Add	1.28	
05 12 23 00-0544	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.32	
			For 304 Stainless Steel, Add	6.36	
			For 316 Stainless Steel, Add	7.14	
			For Aluminum, Add	0.40	
			For Galvanized Steel, Add	1.38	
			For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0545	LF		2" x 1/2" x 1/8" Thick Bar Channel	7.83	
			For 304 Stainless Steel, Add	7.81	
			For 316 Stainless Steel, Add	8.77	
			For Aluminum, Add	0.49	
			For Galvanized Steel, Add	1.70	
05 12 23 00-0546	LF		2" x 1" x 1/8" Thick Bar Channel	10.32	
			For 304 Stainless Steel, Add	8.72	
			For 316 Stainless Steel, Add	9.79	
			For Aluminum, Add	0.55	
			For Galvanized Steel, Add	1.90	
05 12 23 00-0547 Channels - C (05 12 23 00-0422)					
05 12 23 00-0548	LF		C2 x 1.78 - 2" Wide Channel.....	8.57	4.48
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.73	
			For >500 To 1,000, Deduct	-1.09	
			For >1,000, Deduct	-1.45	
			For 304 Stainless Steel, Add	7.41	
			For 316 Stainless Steel, Add	8.32	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.61	
05 12 23 00-0549	LF		C3 x 4.1 - 3" Wide Channel.....	14.68	6.44
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.16	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.33	
			For 304 Stainless Steel, Add	17.36	
			For 316 Stainless Steel, Add	19.49	
			For Aluminum, Add	1.10	
			For Galvanized Steel, Add	3.78	
05 12 23 00-0550	LF		C3 x 5 - 3" Wide Channel.....	17.91	7.86
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.42	
			For >500 To 1,000, Deduct	-2.13	
			For >1,000, Deduct	-2.84	
			For 304 Stainless Steel, Add	21.18	
			For 316 Stainless Steel, Add	23.78	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.61	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0551	LF		C3 x 6 - 3" Wide Channel	21.49	9.43
			For >100 To 250, Deduct	-1.17	
			For >250 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-2.56	
			For >1,000, Deduct	-3.41	
			For 304 Stainless Steel, Add	25.39	
			For 316 Stainless Steel, Add	28.51	
			For Aluminum, Add	1.60	
			For Galvanized Steel, Add	5.52	
05 12 23 00-0552	LF		C4 x 5.4 - 4" Wide Channel	18.33	7.73
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.86	
			For 304 Stainless Steel, Add	22.86	
			For 316 Stainless Steel, Add	25.66	
			For Aluminum, Add	1.44	
			For Galvanized Steel, Add	4.97	
05 12 23 00-0553	LF		C4 x 7.25 - 4" Wide Channel	24.61	10.37
			For >100 To 250, Deduct	-1.31	
			For >250 To 500, Deduct	-1.92	
			For >500 To 1,000, Deduct	-2.88	
			For >1,000, Deduct	-3.85	
			For 304 Stainless Steel, Add	30.69	
			For 316 Stainless Steel, Add	34.46	
			For Aluminum, Add	1.94	
			For Galvanized Steel, Add	6.68	
05 12 23 00-0554	LF		C5 x 6.7 - 5" Wide Channel	21.97	9.01
			For >100 To 250, Deduct	-1.15	
			For >250 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-2.55	
			For >1,000, Deduct	-3.40	
			For 304 Stainless Steel, Add	28.36	
			For 316 Stainless Steel, Add	31.84	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.17	
05 12 23 00-0555	LF		C5 x 9 - 5" Wide Channel	29.52	12.11
			For >100 To 250, Deduct	-1.55	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.43	
			For >1,000, Deduct	-4.57	
			For 304 Stainless Steel, Add	38.10	
			For 316 Stainless Steel, Add	42.78	
			For Aluminum, Add	2.41	
			For Galvanized Steel, Add	8.29	
05 12 23 00-0556	LF		C6 x 8.2 - 6" Wide Channel	26.61	10.83
			For >100 To 250, Deduct	-1.39	
			For >250 To 500, Deduct	-2.05	
			For >500 To 1,000, Deduct	-3.08	
			For >1,000, Deduct	-4.10	
			For 304 Stainless Steel, Add	34.71	
			For 316 Stainless Steel, Add	38.98	
			For Aluminum, Add	2.19	
			For Galvanized Steel, Add	7.55	
05 12 23 00-0557	LF		C6 x 10.5 - 6" Wide Channel	34.08	13.86
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.94	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	44.46	
			For 316 Stainless Steel, Add	49.92	
			For Aluminum, Add	2.81	
			For Galvanized Steel, Add	9.67	
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel	42.20	17.16
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-3.25	
			For >500 To 1,000, Deduct	-4.88	
			For >1,000, Deduct	-6.51	
			For 304 Stainless Steel, Add	55.06	
			For 316 Stainless Steel, Add	61.82	
			For Aluminum, Add	3.48	
			For Galvanized Steel, Add	11.98	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel	31.74	12.88
			For >100 To 250, Deduct	-1.65	
			For >250 To 500, Deduct	-2.45	
			For >500 To 1,000, Deduct	-3.67	
			For >1,000, Deduct	-4.89	
			For 304 Stainless Steel, Add	41.50	
			For 316 Stainless Steel, Add	46.59	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.03	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel.....	39.67	16.10
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.06	
			For >500 To 1,000, Deduct	-4.59	
			For >1,000, Deduct	-6.11	
			For 304 Stainless Steel, Add	51.87	
			For 316 Stainless Steel, Add	58.24	
			For Aluminum, Add	3.28	
			For Galvanized Steel, Add	11.28	
05 12 23 00-0561	LF		C7 x 14.75 - 7" Wide Channel.....	47.78	19.39
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.68	
			For >500 To 1,000, Deduct	-5.52	
			For >1,000, Deduct	-7.36	
			For 304 Stainless Steel, Add	62.47	
			For 316 Stainless Steel, Add	70.14	
			For Aluminum, Add	3.95	
			For Galvanized Steel, Add	13.59	
05 12 23 00-0562	LF		C8 x 11.5 - 8" Wide Channel.....	35.99	14.17
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-2.74	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000, Deduct	-5.49	
			For 304 Stainless Steel, Add	48.71	
			For 316 Stainless Steel, Add	54.69	
			For Aluminum, Add	3.08	
			For Galvanized Steel, Add	10.60	
05 12 23 00-0563	LF		C8 x 13.75 - 8" Wide Channel.....	43.03	16.95
			For >100 To 250, Deduct	-2.21	
			For >250 To 500, Deduct	-3.28	
			For >500 To 1,000, Deduct	-4.92	
			For >1,000, Deduct	-6.56	
			For 304 Stainless Steel, Add	58.23	
			For 316 Stainless Steel, Add	65.38	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.67	
05 12 23 00-0564	LF		C8 x 18.75 - 8" Wide Channel.....	58.67	23.11
			For >100 To 250, Deduct	-3.01	
			For >250 To 500, Deduct	-4.47	
			For >500 To 1,000, Deduct	-6.71	
			For >1,000, Deduct	-8.95	
			For 304 Stainless Steel, Add	79.40	
			For 316 Stainless Steel, Add	89.15	
			For Aluminum, Add	5.01	
			For Galvanized Steel, Add	17.27	
05 12 23 00-0565	LF		C9 x 13.4 - 9" Wide Channel.....	41.93	16.52
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-3.20	
			For >500 To 1,000, Deduct	-4.80	
			For >1,000, Deduct	-6.40	
			For 304 Stainless Steel, Add	56.74	
			For 316 Stainless Steel, Add	63.71	
			For Aluminum, Add	3.58	
			For Galvanized Steel, Add	12.34	
05 12 23 00-0566	LF		C9 x 15 - 9" Wide Channel.....	46.94	18.49
			For >100 To 250, Deduct	-2.41	
			For >250 To 500, Deduct	-3.58	
			For >500 To 1,000, Deduct	-5.37	
			For >1,000, Deduct	-7.16	
			For 304 Stainless Steel, Add	63.53	
			For 316 Stainless Steel, Add	71.33	
			For Aluminum, Add	4.01	
			For Galvanized Steel, Add	13.82	
05 12 23 00-0567	LF		C9 x 20 - 9" Wide Channel.....	62.59	24.65
			For >100 To 250, Deduct	-3.21	
			For >250 To 500, Deduct	-4.77	
			For >500 To 1,000, Deduct	-7.16	
			For >1,000, Deduct	-9.55	
			For 304 Stainless Steel, Add	84.70	
			For 316 Stainless Steel, Add	95.10	
			For Aluminum, Add	5.35	
			For Galvanized Steel, Add	18.43	
05 12 23 00-0568	LF		C10 x 15.3 - 10" Wide Channel.....	47.87	18.85
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.65	
			For >500 To 1,000, Deduct	-5.48	
			For >1,000, Deduct	-7.30	
			For 304 Stainless Steel, Add	64.78	
			For 316 Stainless Steel, Add	72.74	
			For Aluminum, Add	4.09	
			For Galvanized Steel, Add	14.09	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0569	LF		C10 x 20 - 10" Wide Channel	62.59	24.65
			For >100 To 250, Deduct	-3.21	
			For >250 To 500, Deduct	-4.77	
			For >500 To 1,000, Deduct	-7.16	
			For >1,000, Deduct	-9.55	
			For 304 Stainless Steel, Add	84.70	
			For 316 Stainless Steel, Add	95.10	
			For Aluminum, Add	5.35	
			For Galvanized Steel, Add	18.43	
05 12 23 00-0570	LF		C10 x 25 - 10" Wide Channel	78.23	30.81
			For >100 To 250, Deduct	-4.01	
			For >250 To 500, Deduct	-5.97	
			For >500 To 1,000, Deduct	-8.95	
			For >1,000, Deduct	-11.93	
			For 304 Stainless Steel, Add	105.85	
			For 316 Stainless Steel, Add	118.85	
			For Aluminum, Add	6.69	
			For Galvanized Steel, Add	23.03	
05 12 23 00-0571	LF		C10 x 30 - 10" Wide Channel	93.87	36.97
			For >100 To 250, Deduct	-4.81	
			For >250 To 500, Deduct	-7.16	
			For >500 To 1,000, Deduct	-10.74	
			For >1,000, Deduct	-14.32	
			For 304 Stainless Steel, Add	127.02	
			For 316 Stainless Steel, Add	142.62	
			For Aluminum, Add	8.02	
			For Galvanized Steel, Add	27.63	
05 12 23 00-0572	LF		C12 x 20.7 - 12" Wide Channel	64.78	25.52
			For >100 To 250, Deduct	-3.32	
			For >250 To 500, Deduct	-4.94	
			For >500 To 1,000, Deduct	-7.41	
			For >1,000, Deduct	-9.88	
			For 304 Stainless Steel, Add	87.67	
			For 316 Stainless Steel, Add	98.43	
			For Aluminum, Add	5.54	
			For Galvanized Steel, Add	19.07	
05 12 23 00-0573	LF		C12 x 25 - 12" Wide Channel	78.23	30.81
			For >100 To 250, Deduct	-4.01	
			For >250 To 500, Deduct	-5.97	
			For >500 To 1,000, Deduct	-8.95	
			For >1,000, Deduct	-11.93	
			For 304 Stainless Steel, Add	105.85	
			For 316 Stainless Steel, Add	118.85	
			For Aluminum, Add	6.69	
			For Galvanized Steel, Add	23.03	
05 12 23 00-0574	LF		C12 x 30 - 12" Wide Channel	93.87	36.97
			For >100 To 250, Deduct	-4.81	
			For >250 To 500, Deduct	-7.16	
			For >500 To 1,000, Deduct	-10.74	
			For >1,000, Deduct	-14.32	
			For 304 Stainless Steel, Add	127.02	
			For 316 Stainless Steel, Add	142.62	
			For Aluminum, Add	8.02	
			For Galvanized Steel, Add	27.63	
05 12 23 00-0575	LF		C15 x 33.9 - 15" Wide Channel	106.08	41.78
			For >100 To 250, Deduct	-5.44	
			For >250 To 500, Deduct	-8.09	
			For >500 To 1,000, Deduct	-12.13	
			For >1,000, Deduct	-16.18	
			For 304 Stainless Steel, Add	143.55	
			For 316 Stainless Steel, Add	161.18	
			For Aluminum, Add	9.07	
			For Galvanized Steel, Add	31.23	
05 12 23 00-0576	LF		C15 x 40 - 15" Wide Channel	125.16	49.30
			For >100 To 250, Deduct	-6.42	
			For >250 To 500, Deduct	-9.54	
			For >500 To 1,000, Deduct	-14.32	
			For >1,000, Deduct	-19.09	
			For 304 Stainless Steel, Add	169.38	
			For 316 Stainless Steel, Add	190.18	
			For Aluminum, Add	10.70	
			For Galvanized Steel, Add	36.85	
05 12 23 00-0577	LF		C15 x 50 - 15" Wide Channel	156.46	61.62
			For >100 To 250, Deduct	-8.02	
			For >250 To 500, Deduct	-11.93	
			For >500 To 1,000, Deduct	-17.90	
			For >1,000, Deduct	-23.86	
			For 304 Stainless Steel, Add	211.73	
			For 316 Stainless Steel, Add	237.73	
			For Aluminum, Add	13.37	
			For Galvanized Steel, Add	46.06	

05 12 23 00-0578 Miscellaneous Channels - MC (05 12 23 00-0422)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579	LF		MC6 x 12 - 6" Wide Channel.....	38.95	15.84
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.51	
			For >1,000, Deduct	-6.01	
			For 304 Stainless Steel, Add	50.82	
			For 316 Stainless Steel, Add	57.06	
			For Aluminum, Add	3.21	
			For Galvanized Steel, Add	11.05	
05 12 23 00-0580	LF		MC6 x 15.1 - 6" Wide Channel.....	49.02	19.93
			For >100 To 250, Deduct	-2.55	
			For >250 To 500, Deduct	-3.78	
			For >500 To 1,000, Deduct	-5.67	
			For >1,000, Deduct	-7.56	
			For 304 Stainless Steel, Add	63.95	
			For 316 Stainless Steel, Add	71.81	
			For Aluminum, Add	4.04	
			For Galvanized Steel, Add	13.91	
05 12 23 00-0581	LF		MC6 x 15.3 - 6" Wide Channel.....	49.66	20.19
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.83	
			For >500 To 1,000, Deduct	-5.74	
			For >1,000, Deduct	-7.66	
			For 304 Stainless Steel, Add	64.78	
			For 316 Stainless Steel, Add	72.74	
			For Aluminum, Add	4.09	
			For Galvanized Steel, Add	14.09	
05 12 23 00-0582	LF		MC6 x 16.3 - 6" Wide Channel.....	52.91	21.51
			For >100 To 250, Deduct	-2.76	
			For >250 To 500, Deduct	-4.08	
			For >500 To 1,000, Deduct	-6.12	
			For >1,000, Deduct	-8.16	
			For 304 Stainless Steel, Add	69.03	
			For 316 Stainless Steel, Add	77.50	
			For Aluminum, Add	4.36	
			For Galvanized Steel, Add	15.02	
05 12 23 00-0583	LF		MC6 x 18 - 6" Wide Channel.....	58.42	23.76
			For >100 To 250, Deduct	-3.04	
			For >250 To 500, Deduct	-4.51	
			For >500 To 1,000, Deduct	-6.76	
			For >1,000, Deduct	-9.01	
			For 304 Stainless Steel, Add	76.21	
			For 316 Stainless Steel, Add	85.57	
			For Aluminum, Add	4.81	
			For Galvanized Steel, Add	16.58	
05 12 23 00-0584	LF		MC7 x 17.6 - 7" Wide Channel.....	57.01	23.15
			For >100 To 250, Deduct	-2.97	
			For >250 To 500, Deduct	-4.39	
			For >500 To 1,000, Deduct	-6.59	
			For >1,000, Deduct	-8.79	
			For 304 Stainless Steel, Add	74.53	
			For 316 Stainless Steel, Add	83.68	
			For Aluminum, Add	4.71	
			For Galvanized Steel, Add	16.21	
05 12 23 00-0585	LF		MC7 x 19.1 - 7" Wide Channel.....	61.88	25.12
			For >100 To 250, Deduct	-3.22	
			For >250 To 500, Deduct	-4.77	
			For >500 To 1,000, Deduct	-7.15	
			For >1,000, Deduct	-9.54	
			For 304 Stainless Steel, Add	80.88	
			For 316 Stainless Steel, Add	90.82	
			For Aluminum, Add	5.11	
			For Galvanized Steel, Add	17.60	
05 12 23 00-0586	LF		MC7 x 22.7 - 7" Wide Channel.....	73.53	29.85
			For >100 To 250, Deduct	-3.83	
			For >250 To 500, Deduct	-5.67	
			For >500 To 1,000, Deduct	-8.50	
			For >1,000, Deduct	-11.33	
			For 304 Stainless Steel, Add	96.13	
			For 316 Stainless Steel, Add	107.94	
			For Aluminum, Add	6.07	
			For Galvanized Steel, Add	20.91	
05 12 23 00-0587	LF		MC8 x 8.5 - 8" Wide Channel.....	26.61	10.48
			For >100 To 250, Deduct	-1.36	
			For >250 To 500, Deduct	-2.03	
			For >500 To 1,000, Deduct	-3.04	
			For >1,000, Deduct	-4.06	
			For 304 Stainless Steel, Add	36.00	
			For 316 Stainless Steel, Add	40.42	
			For Aluminum, Add	2.27	
			For Galvanized Steel, Add	7.83	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0588	LF		MC8 x 18.7 - 8" Wide Channel	58.51	23.04
			For >100 To 250, Deduct	-3.00	
			For >250 To 500, Deduct	-4.46	
			For >500 To 1,000, Deduct	-6.69	
			For >1,000, Deduct	-8.92	
			For 304 Stainless Steel, Add	79.17	
			For 316 Stainless Steel, Add	88.90	
			For Aluminum, Add	5.00	
			For Galvanized Steel, Add	17.22	
05 12 23 00-0589	LF		MC8 x 20 - 8" Wide Channel	62.59	24.65
			For >100 To 250, Deduct	-3.21	
			For >250 To 500, Deduct	-4.77	
			For >500 To 1,000, Deduct	-7.16	
			For >1,000, Deduct	-9.55	
			For 304 Stainless Steel, Add	84.70	
			For 316 Stainless Steel, Add	95.10	
			For Aluminum, Add	5.35	
			For Galvanized Steel, Add	18.43	
05 12 23 00-0590	LF		MC8 x 21.4 - 8" Wide Channel	66.98	26.38
			For >100 To 250, Deduct	-3.43	
			For >250 To 500, Deduct	-5.11	
			For >500 To 1,000, Deduct	-7.66	
			For >1,000, Deduct	-10.22	
			For 304 Stainless Steel, Add	90.63	
			For 316 Stainless Steel, Add	101.76	
			For Aluminum, Add	5.72	
			For Galvanized Steel, Add	19.72	
05 12 23 00-0591	LF		MC8 x 22.8 - 8" Wide Channel	71.34	28.11
			For >100 To 250, Deduct	-3.66	
			For >250 To 500, Deduct	-5.44	
			For >500 To 1,000, Deduct	-8.16	
			For >1,000, Deduct	-10.88	
			For 304 Stainless Steel, Add	96.56	
			For 316 Stainless Steel, Add	108.42	
			For Aluminum, Add	6.10	
			For Galvanized Steel, Add	21.01	
05 12 23 00-0592	LF		MC9 x 23.9 - 9" Wide Channel	74.79	29.46
			For >100 To 250, Deduct	-3.83	
			For >250 To 500, Deduct	-5.70	
			For >500 To 1,000, Deduct	-8.56	
			For >1,000, Deduct	-11.41	
			For 304 Stainless Steel, Add	101.20	
			For 316 Stainless Steel, Add	113.63	
			For Aluminum, Add	6.39	
			For Galvanized Steel, Add	22.02	
05 12 23 00-0593	LF		MC9 x 25.4 - 9" Wide Channel	79.47	31.30
			For >100 To 250, Deduct	-4.07	
			For >250 To 500, Deduct	-6.06	
			For >500 To 1,000, Deduct	-9.09	
			For >1,000, Deduct	-12.12	
			For 304 Stainless Steel, Add	107.56	
			For 316 Stainless Steel, Add	120.77	
			For Aluminum, Add	6.79	
			For Galvanized Steel, Add	23.40	
05 12 23 00-0594	LF		MC10 x 6.5 - 10" Wide Channel	20.35	8.01
			For >100 To 250, Deduct	-1.04	
			For >250 To 500, Deduct	-1.55	
			For >500 To 1,000, Deduct	-2.33	
			For >1,000, Deduct	-3.10	
			For 304 Stainless Steel, Add	27.53	
			For 316 Stainless Steel, Add	30.91	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	5.99	
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel	26.28	10.35
			For >100 To 250, Deduct	-1.35	
			For >250 To 500, Deduct	-2.00	
			For >500 To 1,000, Deduct	-3.01	
			For >1,000, Deduct	-4.01	
			For 304 Stainless Steel, Add	35.57	
			For 316 Stainless Steel, Add	39.94	
			For Aluminum, Add	2.25	
			For Galvanized Steel, Add	7.74	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel	68.52	27.00
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-5.23	
			For >500 To 1,000, Deduct	-7.84	
			For >1,000, Deduct	-10.45	
			For 304 Stainless Steel, Add	92.74	
			For 316 Stainless Steel, Add	104.13	
			For Aluminum, Add	5.86	
			For Galvanized Steel, Add	20.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel.....	77.93	30.70
			For >100 To 250, Deduct	-3.99	
			For >250 To 500, Deduct	-5.94	
			For >500 To 1,000, Deduct	-8.91	
			For >1,000, Deduct	-11.89	
			For 304 Stainless Steel, Add	105.45	
			For 316 Stainless Steel, Add	118.40	
			For Aluminum, Add	6.66	
			For Galvanized Steel, Add	22.94	
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel.....	79.16	31.19
			For >100 To 250, Deduct	-4.06	
			For >250 To 500, Deduct	-6.04	
			For >500 To 1,000, Deduct	-9.05	
			For >1,000, Deduct	-12.07	
			For 304 Stainless Steel, Add	107.13	
			For 316 Stainless Steel, Add	120.29	
			For Aluminum, Add	6.77	
			For Galvanized Steel, Add	23.31	
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel.....	88.57	34.87
			For >100 To 250, Deduct	-4.54	
			For >250 To 500, Deduct	-6.75	
			For >500 To 1,000, Deduct	-10.13	
			For >1,000, Deduct	-13.51	
			For 304 Stainless Steel, Add	119.84	
			For 316 Stainless Steel, Add	134.56	
			For Aluminum, Add	7.57	
			For Galvanized Steel, Add	26.07	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel.....	89.18	35.13
			For >100 To 250, Deduct	-4.57	
			For >250 To 500, Deduct	-6.80	
			For >500 To 1,000, Deduct	-10.20	
			For >1,000, Deduct	-13.60	
			For 304 Stainless Steel, Add	120.67	
			For 316 Stainless Steel, Add	135.49	
			For Aluminum, Add	7.62	
			For Galvanized Steel, Add	26.25	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel.....	105.14	41.42
			For >100 To 250, Deduct	-5.39	
			For >250 To 500, Deduct	-8.02	
			For >500 To 1,000, Deduct	-12.03	
			For >1,000, Deduct	-16.04	
			For 304 Stainless Steel, Add	142.27	
			For 316 Stainless Steel, Add	159.74	
			For Aluminum, Add	8.99	
			For Galvanized Steel, Add	30.95	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel.....	128.61	50.66
			For >100 To 250, Deduct	-6.59	
			For >250 To 500, Deduct	-9.81	
			For >500 To 1,000, Deduct	-14.71	
			For >1,000, Deduct	-19.62	
			For 304 Stainless Steel, Add	174.05	
			For 316 Stainless Steel, Add	195.42	
			For Aluminum, Add	10.99	
			For Galvanized Steel, Add	37.86	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel.....	96.70	38.09
			For >100 To 250, Deduct	-4.96	
			For >250 To 500, Deduct	-7.37	
			For >500 To 1,000, Deduct	-11.06	
			For >1,000, Deduct	-14.75	
			For 304 Stainless Steel, Add	130.84	
			For 316 Stainless Steel, Add	146.91	
			For Aluminum, Add	8.26	
			For Galvanized Steel, Add	28.46	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel.....	102.95	40.54
			For >100 To 250, Deduct	-5.28	
			For >250 To 500, Deduct	-7.85	
			For >500 To 1,000, Deduct	-11.78	
			For >1,000, Deduct	-15.70	
			For 304 Stainless Steel, Add	139.31	
			For 316 Stainless Steel, Add	156.42	
			For Aluminum, Add	8.80	
			For Galvanized Steel, Add	30.31	
05 12 23 00-0605	LF		MC12 x 35 - 12" Wide Channel.....	109.52	43.13
			For >100 To 250, Deduct	-5.61	
			For >250 To 500, Deduct	-8.35	
			For >500 To 1,000, Deduct	-12.53	
			For >1,000, Deduct	-16.70	
			For 304 Stainless Steel, Add	148.20	
			For 316 Stainless Steel, Add	166.40	
			For Aluminum, Add	9.36	
			For Galvanized Steel, Add	32.24	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0606	LF		MC12 x 37 - 12" Wide Channel	115.78	45.61
			For >100 To 250, Deduct	-5.94	
			For >250 To 500, Deduct	-8.83	
			For >500 To 1,000, Deduct	-13.24	
			For >1,000, Deduct	-17.66	
			For 304 Stainless Steel, Add	156.66	
			For 316 Stainless Steel, Add	175.90	
			For Aluminum, Add	9.89	
			For Galvanized Steel, Add	34.08	
05 12 23 00-0607	LF		MC12 x 40 - 12" Wide Channel	125.16	49.30
			For >100 To 250, Deduct	-6.42	
			For >250 To 500, Deduct	-9.54	
			For >500 To 1,000, Deduct	-14.32	
			For >1,000, Deduct	-19.09	
			For 304 Stainless Steel, Add	169.38	
			For 316 Stainless Steel, Add	190.18	
			For Aluminum, Add	10.70	
			For Galvanized Steel, Add	36.85	
05 12 23 00-0608	LF		MC12 x 45 - 12" Wide Channel	140.82	55.47
			For >100 To 250, Deduct	-7.22	
			For >250 To 500, Deduct	-10.74	
			For >500 To 1,000, Deduct	-16.11	
			For >1,000, Deduct	-21.48	
			For 304 Stainless Steel, Add	190.55	
			For 316 Stainless Steel, Add	213.95	
			For Aluminum, Add	12.03	
			For Galvanized Steel, Add	41.45	
05 12 23 00-0609	LF		MC12 x 50 - 12" Wide Channel	156.46	61.63
			For >100 To 250, Deduct	-8.02	
			For >250 To 500, Deduct	-11.93	
			For >500 To 1,000, Deduct	-17.90	
			For >1,000, Deduct	-23.86	
			For 304 Stainless Steel, Add	211.73	
			For 316 Stainless Steel, Add	237.73	
			For Aluminum, Add	13.37	
			For Galvanized Steel, Add	46.06	
05 12 23 00-0610	LF		MC13 x 31.8 - 13" Wide Channel	99.52	39.20
			For >100 To 250, Deduct	-5.10	
			For >250 To 500, Deduct	-7.59	
			For >500 To 1,000, Deduct	-11.38	
			For >1,000, Deduct	-15.18	
			For 304 Stainless Steel, Add	134.66	
			For 316 Stainless Steel, Add	151.20	
			For Aluminum, Add	8.51	
			For Galvanized Steel, Add	29.30	
05 12 23 00-0611	LF		MC13 x 35 - 13" Wide Channel	109.52	43.13
			For >100 To 250, Deduct	-5.61	
			For >250 To 500, Deduct	-8.35	
			For >500 To 1,000, Deduct	-12.53	
			For >1,000, Deduct	-16.70	
			For 304 Stainless Steel, Add	148.20	
			For 316 Stainless Steel, Add	166.40	
			For Aluminum, Add	9.36	
			For Galvanized Steel, Add	32.24	
05 12 23 00-0612	LF		MC13 x 40 - 13" Wide Channel	125.16	49.30
			For >100 To 250, Deduct	-6.42	
			For >250 To 500, Deduct	-9.54	
			For >500 To 1,000, Deduct	-14.32	
			For >1,000, Deduct	-19.09	
			For 304 Stainless Steel, Add	169.38	
			For 316 Stainless Steel, Add	190.18	
			For Aluminum, Add	10.70	
			For Galvanized Steel, Add	36.85	
05 12 23 00-0613	LF		MC13 x 50 - 13" Wide Channel	156.46	61.63
			For >100 To 250, Deduct	-8.02	
			For >250 To 500, Deduct	-11.93	
			For >500 To 1,000, Deduct	-17.90	
			For >1,000, Deduct	-23.86	
			For 304 Stainless Steel, Add	211.73	
			For 316 Stainless Steel, Add	237.73	
			For Aluminum, Add	13.37	
			For Galvanized Steel, Add	46.06	
05 12 23 00-0614	LF		MC18 x 42.7 - 18" Wide Channel	133.61	52.63
			For >100 To 250, Deduct	-6.85	
			For >250 To 500, Deduct	-10.19	
			For >500 To 1,000, Deduct	-15.28	
			For >1,000, Deduct	-20.38	
			For 304 Stainless Steel, Add	180.80	
			For 316 Stainless Steel, Add	203.01	
			For Aluminum, Add	11.42	
			For Galvanized Steel, Add	39.33	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel.....	143.31	56.46
			For >100 To 250, Deduct	-7.35	
			For >250 To 500, Deduct	-10.93	
			For >500 To 1,000, Deduct	-16.39	
			For >1,000, Deduct	-21.86	
			For 304 Stainless Steel, Add	193.94	
			For 316 Stainless Steel, Add	217.76	
			For Aluminum, Add	12.25	
			For Galvanized Steel, Add	42.19	
05 12 23 00-0616	LF		MC18 x 51.9 - 18" Wide Channel.....	162.41	63.97
			For >100 To 250, Deduct	-8.33	
			For >250 To 500, Deduct	-12.39	
			For >500 To 1,000, Deduct	-18.58	
			For >1,000, Deduct	-24.77	
			For 304 Stainless Steel, Add	219.76	
			For 316 Stainless Steel, Add	246.75	
			For Aluminum, Add	13.88	
			For Galvanized Steel, Add	47.81	
05 12 23 00-0617	LF		MC18 x 58 - 18" Wide Channel.....	181.50	71.48
			For >100 To 250, Deduct	-9.30	
			For >250 To 500, Deduct	-13.84	
			For >500 To 1,000, Deduct	-20.76	
			For >1,000, Deduct	-27.68	
			For 304 Stainless Steel, Add	245.61	
			For 316 Stainless Steel, Add	275.78	
			For Aluminum, Add	15.51	
			For Galvanized Steel, Add	53.43	
05 12 23 00-0618 Structural Bar Tees (05 12 23 00-0422)					
05 12 23 00-0619	LF		3/4" x 3/4" x 1/8" Structural Bar Tee	5.57	3.28
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.50	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-0.99	
			For 304 Stainless Steel, Add	3.42	
			For 316 Stainless Steel, Add	3.84	
			For Aluminum, Add	0.22	
			For Galvanized Steel, Add	0.74	
05 12 23 00-0620	LF		1" x 1" x 1/8" Structural Bar Tee	6.81	3.87
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.60	
			For >500 To 1,000, Deduct	-0.90	
			For >1,000, Deduct	-1.20	
			For 304 Stainless Steel, Add	4.70	
			For 316 Stainless Steel, Add	5.28	
			For Aluminum, Add	0.30	
			For Galvanized Steel, Add	1.02	
05 12 23 00-0621	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.66	4.46
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.83	
			For >500 To 1,000, Deduct	-1.25	
			For >1,000, Deduct	-1.66	
			For 304 Stainless Steel, Add	13.42	
			For 316 Stainless Steel, Add	15.07	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.92	
05 12 23 00-0622	LF		2" x 2" x 1/4" Structural Bar Tee	14.80	5.84
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.69	
			For >1,000, Deduct	-2.26	
			For 304 Stainless Steel, Add	20.01	
			For 316 Stainless Steel, Add	22.46	
			For Aluminum, Add	1.26	
			For Galvanized Steel, Add	4.35	
05 12 23 00-0623	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	22.00	7.04
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.57	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000, Deduct	-3.14	
			For 304 Stainless Steel, Add	35.91	
			For 316 Stainless Steel, Add	40.32	
			For Aluminum, Add	2.27	
			For Galvanized Steel, Add	7.81	
05 12 23 00-0624	LF		3" x 3" x 3/8" Structural Bar Tee	27.14	9.02
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.94	
			For >1,000, Deduct	-3.92	
			For 304 Stainless Steel, Add	43.09	
			For 316 Stainless Steel, Add	48.38	
			For Aluminum, Add	2.72	
			For Galvanized Steel, Add	9.37	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0625 Structural Zees (05 12 23 00-0422)				
05 12 23 00-0626	LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.97		4.46
	For >100 To 250, Deduct	-0.62		
	For >250 To 500, Deduct	-0.95		
	For >500 To 1,000, Deduct	-1.42		
	For >1,000, Deduct	-1.89		
	For 304 Stainless Steel, Add	20.01		
	For 316 Stainless Steel, Add	22.46		
	For Aluminum, Add	1.26		
	For Galvanized Steel, Add	4.35		
05 12 23 00-0627	LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	23.91		5.33
	For >100 To 250, Deduct	-0.95		
	For >250 To 500, Deduct	-1.55		
	For >500 To 1,000, Deduct	-2.33		
	For >1,000, Deduct	-3.10		
	For 304 Stainless Steel, Add	47.91		
	For 316 Stainless Steel, Add	53.79		
	For Aluminum, Add	3.03		
	For Galvanized Steel, Add	10.42		
05 12 23 00-0628	LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	28.59		6.01
	For >100 To 250, Deduct	-1.12		
	For >250 To 500, Deduct	-1.83		
	For >500 To 1,000, Deduct	-2.75		
	For >1,000, Deduct	-3.66		
	For 304 Stainless Steel, Add	58.62		
	For 316 Stainless Steel, Add	65.82		
	For Aluminum, Add	3.70		
	For Galvanized Steel, Add	12.75		
05 12 23 00-0629	LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	38.26		6.87
	For >100 To 250, Deduct	-1.41		
	For >250 To 500, Deduct	-2.37		
	For >500 To 1,000, Deduct	-3.56		
	For >1,000, Deduct	-4.74		
	For 304 Stainless Steel, Add	82.94		
	For 316 Stainless Steel, Add	93.12		
	For Aluminum, Add	5.24		
	For Galvanized Steel, Add	18.04		
05 12 23 00-0630	LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	49.35		7.47
	For >100 To 250, Deduct	-1.73		
	For >250 To 500, Deduct	-2.97		
	For >500 To 1,000, Deduct	-4.45		
	For >1,000, Deduct	-5.93		
	For 304 Stainless Steel, Add	112.23		
	For 316 Stainless Steel, Add	126.02		
	For Aluminum, Add	7.09		
	For Galvanized Steel, Add	24.42		
05 12 23 00-0631 Junior I-Beams (05 12 23 00-0422)				
05 12 23 00-0632	LF 3" Junior I-Beam, 2.9 Lb./LF	17.85		6.45
	For >100 To 250, Deduct	-0.88		
	For >250 To 500, Deduct	-1.32		
	For >500 To 1,000, Deduct	-1.98		
	For >1,000, Deduct	-2.64		
	For 304 Stainless Steel, Add	26.39		
	For 316 Stainless Steel, Add	29.63		
	For Aluminum, Add	1.67		
	For Galvanized Steel, Add	5.74		
05 12 23 00-0633	LF 4" Junior I-Beam, 3.2 Lb./LF	19.62		7.04
	For >100 To 250, Deduct	-0.96		
	For >250 To 500, Deduct	-1.45		
	For >500 To 1,000, Deduct	-2.18		
	For >1,000, Deduct	-2.90		
	For 304 Stainless Steel, Add	29.13		
	For 316 Stainless Steel, Add	32.70		
	For Aluminum, Add	1.84		
	For Galvanized Steel, Add	6.34		
05 12 23 00-0634	LF 5" Junior I-Beam, 3.8 Lb./LF	22.43		7.73
	For >100 To 250, Deduct	-1.08		
	For >250 To 500, Deduct	-1.64		
	For >500 To 1,000, Deduct	-2.45		
	For >1,000, Deduct	-3.27		
	For 304 Stainless Steel, Add	34.57		
	For 316 Stainless Steel, Add	38.82		
	For Aluminum, Add	2.18		
	For Galvanized Steel, Add	7.52		
05 12 23 00-0635	LF 6" Junior I-Beam, 4.4 Lb./LF	25.28		8.42
	For >100 To 250, Deduct	-1.19		
	For >250 To 500, Deduct	-1.83		
	For >500 To 1,000, Deduct	-2.74		
	For >1,000, Deduct	-3.65		
	For 304 Stainless Steel, Add	40.04		
	For 316 Stainless Steel, Add	44.96		
	For Aluminum, Add	2.53		
	For Galvanized Steel, Add	8.71		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF		7" Junior I-Beam, 5.5 Lb./LF	29.58	9.01
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.08	
			For >500 To 1,000, Deduct	-3.12	
			For >1,000, Deduct	-4.16	
			For 304 Stainless Steel, Add	50.05	
			For 316 Stainless Steel, Add	56.19	
			For Aluminum, Add	3.16	
			For Galvanized Steel, Add	10.89	
05 12 23 00-0637	LF		8" Junior I-Beam, 6.5 Lb./LF	33.58	9.62
			For >100 To 250, Deduct	-1.48	
			For >250 To 500, Deduct	-2.32	
			For >500 To 1,000, Deduct	-3.48	
			For >1,000, Deduct	-4.64	
			For 304 Stainless Steel, Add	59.14	
			For 316 Stainless Steel, Add	66.40	
			For Aluminum, Add	3.74	
			For Galvanized Steel, Add	12.87	
05 12 23 00-0638	LF		10" Junior I-Beam, 9 Lb./LF	43.39	11.00
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.90	
			For >500 To 1,000, Deduct	-4.35	
			For >1,000, Deduct	-5.81	
			For 304 Stainless Steel, Add	81.88	
			For 316 Stainless Steel, Add	91.94	
			For Aluminum, Add	5.17	
			For Galvanized Steel, Add	17.81	
05 12 23 00-0639	LF		12" Junior I-Beam, 11.8 Lb./LF	55.08	13.06
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-3.62	
			For >500 To 1,000, Deduct	-5.44	
			For >1,000, Deduct	-7.25	
			For 304 Stainless Steel, Add	107.36	
			For 316 Stainless Steel, Add	120.54	
			For Aluminum, Add	6.78	
			For Galvanized Steel, Add	23.36	
05 12 23 00-0640 Round Stock (05 12 23 00-0422)					
05 12 23 00-0641	LF		1/4" Carbon Steel Rounds, ASTM A108	2.36	
			For 304 Stainless Steel, Add	3.45	
			For 316 Stainless Steel, Add	3.87	
			For Aluminum, Add	0.22	
			For Galvanized Steel, Add	0.75	
05 12 23 00-0642	LF		3/8" Carbon Steel Rounds, ASTM A108	3.68	
			For 304 Stainless Steel, Add	6.78	
			For 316 Stainless Steel, Add	7.62	
			For Aluminum, Add	0.43	
			For Galvanized Steel, Add	1.48	
05 12 23 00-0643	LF		1/2" Carbon Steel Rounds, ASTM A108	5.06	
			For 304 Stainless Steel, Add	10.35	
			For 316 Stainless Steel, Add	11.62	
			For Aluminum, Add	0.65	
			For Galvanized Steel, Add	2.25	
05 12 23 00-0644	LF		5/8" Carbon Steel Rounds, ASTM A108	7.64	
			For 304 Stainless Steel, Add	17.24	
			For 316 Stainless Steel, Add	19.36	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.75	
05 12 23 00-0645	LF		3/4" Carbon Steel Rounds, ASTM A108	9.10	
			For 304 Stainless Steel, Add	20.49	
			For 316 Stainless Steel, Add	23.01	
			For Aluminum, Add	1.29	
			For Galvanized Steel, Add	4.46	
05 12 23 00-0646	LF		7/8" Carbon Steel Rounds, ASTM A108	10.61	
			For 304 Stainless Steel, Add	23.94	
			For 316 Stainless Steel, Add	26.88	
			For Aluminum, Add	1.51	
			For Galvanized Steel, Add	5.21	
05 12 23 00-0647	LF		1" Carbon Steel Rounds, ASTM A108	15.41	
			For 304 Stainless Steel, Add	36.51	
			For 316 Stainless Steel, Add	40.99	
			For Aluminum, Add	2.31	
			For Galvanized Steel, Add	7.94	
05 12 23 00-0648	LF		1-1/8" Carbon Steel Rounds, ASTM A108	18.74	
			For 304 Stainless Steel, Add	44.35	
			For 316 Stainless Steel, Add	49.79	
			For Aluminum, Add	2.80	
			For Galvanized Steel, Add	9.65	
05 12 23 00-0649	LF		1-1/4" Carbon Steel Rounds, ASTM A108	22.40	
			For 304 Stainless Steel, Add	52.18	
			For 316 Stainless Steel, Add	58.59	
			For Aluminum, Add	3.30	
			For Galvanized Steel, Add	11.35	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108.....	27.12	
		For 304 Stainless Steel, Add	63.70	
		For 316 Stainless Steel, Add	71.52	
		For Aluminum, Add	4.02	
		For Galvanized Steel, Add	13.86	
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108.....	30.24	
		For 304 Stainless Steel, Add	69.85	
		For 316 Stainless Steel, Add	78.43	
		For Aluminum, Add	4.41	
		For Galvanized Steel, Add	15.20	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108.....	34.94	
		For 304 Stainless Steel, Add	79.17	
		For 316 Stainless Steel, Add	88.90	
		For Aluminum, Add	5.00	
		For Galvanized Steel, Add	17.22	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108.....	41.88	
		For 304 Stainless Steel, Add	92.14	
		For 316 Stainless Steel, Add	103.46	
		For Aluminum, Add	5.82	
		For Galvanized Steel, Add	20.04	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108.....	50.47	
		For 304 Stainless Steel, Add	107.93	
		For 316 Stainless Steel, Add	121.18	
		For Aluminum, Add	6.82	
		For Galvanized Steel, Add	23.48	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108.....	57.64	
		For 304 Stainless Steel, Add	120.04	
		For 316 Stainless Steel, Add	134.78	
		For Aluminum, Add	7.58	
		For Galvanized Steel, Add	26.11	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108.....	67.38	
		For 304 Stainless Steel, Add	137.09	
		For 316 Stainless Steel, Add	153.92	
		For Aluminum, Add	8.66	
		For Galvanized Steel, Add	29.82	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108.....	76.26	
		For 304 Stainless Steel, Add	154.13	
		For 316 Stainless Steel, Add	173.06	
		For Aluminum, Add	9.73	
		For Galvanized Steel, Add	33.53	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108.....	87.36	
		For 304 Stainless Steel, Add	176.30	
		For 316 Stainless Steel, Add	197.95	
		For Aluminum, Add	11.13	
		For Galvanized Steel, Add	38.35	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108.....	96.61	
		For 304 Stainless Steel, Add	190.01	
		For 316 Stainless Steel, Add	213.34	
		For Aluminum, Add	12.00	
		For Galvanized Steel, Add	41.34	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108.....	117.96	
		For 304 Stainless Steel, Add	241.37	
		For 316 Stainless Steel, Add	271.01	
		For Aluminum, Add	15.24	
		For Galvanized Steel, Add	52.51	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108.....	134.28	
		For 304 Stainless Steel, Add	275.22	
		For 316 Stainless Steel, Add	309.02	
		For Aluminum, Add	17.38	
		For Galvanized Steel, Add	59.87	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108.....	149.76	
		For 304 Stainless Steel, Add	306.72	
		For 316 Stainless Steel, Add	344.38	
		For Aluminum, Add	19.37	
		For Galvanized Steel, Add	66.72	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108.....	157.43	
		For 304 Stainless Steel, Add	315.92	
		For 316 Stainless Steel, Add	354.72	
		For Aluminum, Add	19.95	
		For Galvanized Steel, Add	68.73	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108.....	164.32	
		For 304 Stainless Steel, Add	322.91	
		For 316 Stainless Steel, Add	362.56	
		For Aluminum, Add	20.39	
		For Galvanized Steel, Add	70.25	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108.....	173.37	
		For 304 Stainless Steel, Add	336.10	
		For 316 Stainless Steel, Add	377.38	
		For Aluminum, Add	21.23	
		For Galvanized Steel, Add	73.12	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108.....	210.62	
		For 304 Stainless Steel, Add	426.45	
		For 316 Stainless Steel, Add	478.82	
		For Aluminum, Add	26.93	
		For Galvanized Steel, Add	92.77	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667	LF		3-5/8" Carbon Steel Rounds, ASTM A108	233.93	
			For 304 Stainless Steel, Add	477.06	
			For 316 Stainless Steel, Add	535.65	
			For Aluminum, Add	30.13	
			For Galvanized Steel, Add	103.78	
05 12 23 00-0668	LF		3-3/4" Carbon Steel Rounds, ASTM A108	251.14	
			For 304 Stainless Steel, Add	510.32	
			For 316 Stainless Steel, Add	572.99	
			For Aluminum, Add	32.23	
			For Galvanized Steel, Add	111.02	
05 12 23 00-0669	LF		4" Carbon Steel Rounds, ASTM A108	281.49	
			For 304 Stainless Steel, Add	581.00	
			For 316 Stainless Steel, Add	652.35	
			For Aluminum, Add	36.69	
			For Galvanized Steel, Add	126.39	
05 12 23 00-0670			Square Stock (05 12 23 00-0422)		
05 12 23 00-0671	LF		3/8" Square Bar Stock	2.01	
			For 304 Stainless Steel, Add	2.02	
			For 316 Stainless Steel, Add	2.27	
			For Aluminum, Add	0.13	
			For Galvanized Steel, Add	0.44	
05 12 23 00-0672	LF		1/2" Square Bar Stock	2.68	
			For 304 Stainless Steel, Add	3.56	
			For 316 Stainless Steel, Add	4.00	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
05 12 23 00-0673	LF		5/8" Square Bar Stock	3.55	
			For 304 Stainless Steel, Add	5.59	
			For 316 Stainless Steel, Add	6.27	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.22	
05 12 23 00-0674	LF		3/4" Square Bar Stock	4.74	
			For 304 Stainless Steel, Add	8.07	
			For 316 Stainless Steel, Add	9.06	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
05 12 23 00-0675	LF		7/8" Square Bar Stock	6.16	
			For 304 Stainless Steel, Add	11.26	
			For 316 Stainless Steel, Add	12.64	
			For Aluminum, Add	0.71	
			For Galvanized Steel, Add	2.45	
05 12 23 00-0676	LF		1" Square Bar Stock	7.64	
			For 304 Stainless Steel, Add	14.36	
			For 316 Stainless Steel, Add	16.13	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.12	
05 12 23 00-0677	LF		1-1/4" Square Bar Stock	11.96	
			For 304 Stainless Steel, Add	22.43	
			For 316 Stainless Steel, Add	25.18	
			For Aluminum, Add	1.42	
			For Galvanized Steel, Add	4.88	
05 12 23 00-0678	LF		1-1/2" Square Bar Stock	17.06	
			For 304 Stainless Steel, Add	32.29	
			For 316 Stainless Steel, Add	36.26	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.02	
05 12 23 00-0679	LF		1-3/4" Square Bar Stock	25.31	
			For 304 Stainless Steel, Add	44.92	
			For 316 Stainless Steel, Add	50.43	
			For Aluminum, Add	2.84	
			For Galvanized Steel, Add	9.77	
05 12 23 00-0680	LF		2" Square Bar Stock	36.19	
			For 304 Stainless Steel, Add	57.46	
			For 316 Stainless Steel, Add	64.51	
			For Aluminum, Add	3.63	
			For Galvanized Steel, Add	12.50	
05 12 23 00-0681			Steel Tubing (05 12 23 00-0422)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0682			Square Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0683			0.06" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0684	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	2.68	0.61
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.35	
			For 304 Stainless Steel, Add	5.27	
			For 316 Stainless Steel, Add	5.92	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.15	



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
05 12 23 00-0685	LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.11		0.97
	For >100 To 250, Deduct	-0.17		
	For >250 To 500, Deduct	-0.27		
	For >500 To 1,000, Deduct	-0.41		
	For >1,000, Deduct	-0.54		
	For 304 Stainless Steel, Add	8.04		
	For 316 Stainless Steel, Add	9.02		
	For Aluminum, Add	0.51		
	For Galvanized Steel, Add	1.75		
05 12 23 00-0686	LF 1" x 1" x 0.06" Square Steel Tubing.....	5.53		1.76
	For >100 To 250, Deduct	-0.23		
	For >250 To 500, Deduct	-0.36		
	For >500 To 1,000, Deduct	-0.55		
	For >1,000, Deduct	-0.73		
	For 304 Stainless Steel, Add	10.74		
	For 316 Stainless Steel, Add	12.06		
	For Aluminum, Add	0.68		
	For Galvanized Steel, Add	2.34		
05 12 23 00-0687	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	7.31		1.67
	For >100 To 250, Deduct	-0.29		
	For >250 To 500, Deduct	-0.48		
	For >500 To 1,000, Deduct	-0.72		
	For >1,000, Deduct	-0.95		
	For 304 Stainless Steel, Add	14.48		
	For 316 Stainless Steel, Add	16.26		
	For Aluminum, Add	0.91		
	For Galvanized Steel, Add	3.15		
05 12 23 00-0688	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.67		2.02
	For >100 To 250, Deduct	-0.35		
	For >250 To 500, Deduct	-0.57		
	For >500 To 1,000, Deduct	-0.85		
	For >1,000, Deduct	-1.14		
	For 304 Stainless Steel, Add	17.01		
	For 316 Stainless Steel, Add	19.10		
	For Aluminum, Add	1.07		
	For Galvanized Steel, Add	3.70		
05 12 23 00-0689	0.083" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0690	LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.78		1.14
	For >100 To 250, Deduct	-0.20		
	For >250 To 500, Deduct	-0.31		
	For >500 To 1,000, Deduct	-0.47		
	For >1,000, Deduct	-0.63		
	For 304 Stainless Steel, Add	9.32		
	For 316 Stainless Steel, Add	10.46		
	For Aluminum, Add	0.59		
	For Galvanized Steel, Add	2.03		
05 12 23 00-0691	LF 1" x 1" x 0.083" Square Steel Tubing.....	6.97		1.56
	For >100 To 250, Deduct	-0.28		
	For >250 To 500, Deduct	-0.45		
	For >500 To 1,000, Deduct	-0.68		
	For >1,000, Deduct	-0.90		
	For 304 Stainless Steel, Add	13.97		
	For 316 Stainless Steel, Add	15.68		
	For Aluminum, Add	0.88		
	For Galvanized Steel, Add	3.04		
05 12 23 00-0692	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.42		1.98
	For >100 To 250, Deduct	-0.34		
	For >250 To 500, Deduct	-0.55		
	For >500 To 1,000, Deduct	-0.83		
	For >1,000, Deduct	-1.11		
	For 304 Stainless Steel, Add	16.47		
	For 316 Stainless Steel, Add	18.50		
	For Aluminum, Add	1.04		
	For Galvanized Steel, Add	3.58		
05 12 23 00-0693	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	10.18		2.41
	For >100 To 250, Deduct	-0.42		
	For >250 To 500, Deduct	-0.67		
	For >500 To 1,000, Deduct	-1.00		
	For >1,000, Deduct	-1.34		
	For 304 Stainless Steel, Add	19.86		
	For 316 Stainless Steel, Add	22.30		
	For Aluminum, Add	1.25		
	For Galvanized Steel, Add	4.32		
05 12 23 00-0694	LF 2" x 2" x 0.083" Square Steel Tubing.....	13.06		3.21
	For >100 To 250, Deduct	-0.54		
	For >250 To 500, Deduct	-0.87		
	For >500 To 1,000, Deduct	-1.30		
	For >1,000, Deduct	-1.73		
	For 304 Stainless Steel, Add	25.02		
	For 316 Stainless Steel, Add	28.10		
	For Aluminum, Add	1.58		
	For Galvanized Steel, Add	5.44		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
05 12 23 00-0695		0.12" Wall Thickness	(05 12 23 00-0682)		
05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing.....		7.69	1.85
		For >100 To 250, Deduct		-0.32	
		For >250 To 500, Deduct		-0.51	
		For >500 To 1,000, Deduct		-0.76	
		For >1,000, Deduct		-1.02	
		For 304 Stainless Steel, Add		14.88	
		For 316 Stainless Steel, Add		16.70	
		For Aluminum, Add		0.94	
		For Galvanized Steel, Add		3.24	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....		9.90	2.38
		For >100 To 250, Deduct		-0.41	
		For >250 To 500, Deduct		-0.65	
		For >500 To 1,000, Deduct		-0.98	
		For >1,000, Deduct		-1.31	
		For 304 Stainless Steel, Add		19.18	
		For 316 Stainless Steel, Add		21.54	
		For Aluminum, Add		1.21	
		For Galvanized Steel, Add		4.17	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....		12.16	2.90
		For >100 To 250, Deduct		-0.50	
		For >250 To 500, Deduct		-0.80	
		For >500 To 1,000, Deduct		-1.20	
		For >1,000, Deduct		-1.60	
		For 304 Stainless Steel, Add		23.60	
		For 316 Stainless Steel, Add		26.50	
		For Aluminum, Add		1.49	
		For Galvanized Steel, Add		5.13	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing.....		16.46	3.96
		For >100 To 250, Deduct		-0.68	
		For >250 To 500, Deduct		-1.09	
		For >500 To 1,000, Deduct		-1.63	
		For >1,000, Deduct		-2.17	
		For 304 Stainless Steel, Add		31.86	
		For 316 Stainless Steel, Add		35.78	
		For Aluminum, Add		2.01	
		For Galvanized Steel, Add		6.93	
05 12 23 00-0700		1/8" Wall Thickness	(05 12 23 00-0682)		
05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing.....		14.80	4.11
		For >100 To 250, Deduct		-0.64	
		For >250 To 500, Deduct		-1.01	
		For >500 To 1,000, Deduct		-1.52	
		For >1,000, Deduct		-2.03	
		For 304 Stainless Steel, Add		26.56	
		For 316 Stainless Steel, Add		29.82	
		For Aluminum, Add		1.68	
		For Galvanized Steel, Add		5.78	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....		19.53	5.21
		For >100 To 250, Deduct		-0.84	
		For >250 To 500, Deduct		-1.32	
		For >500 To 1,000, Deduct		-1.99	
		For >1,000, Deduct		-2.65	
		For 304 Stainless Steel, Add		35.88	
		For 316 Stainless Steel, Add		40.29	
		For Aluminum, Add		2.27	
		For Galvanized Steel, Add		7.81	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing.....		22.88	6.30
		For >100 To 250, Deduct		-0.99	
		For >250 To 500, Deduct		-1.56	
		For >500 To 1,000, Deduct		-2.35	
		For >1,000, Deduct		-3.13	
		For 304 Stainless Steel, Add		41.24	
		For 316 Stainless Steel, Add		46.30	
		For Aluminum, Add		2.60	
		For Galvanized Steel, Add		8.97	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....		26.51	7.40
		For >100 To 250, Deduct		-1.16	
		For >250 To 500, Deduct		-1.82	
		For >500 To 1,000, Deduct		-2.73	
		For >1,000, Deduct		-3.64	
		For 304 Stainless Steel, Add		47.42	
		For 316 Stainless Steel, Add		53.25	
		For Aluminum, Add		3.00	
		For Galvanized Steel, Add		10.32	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing.....		29.20	8.50
		For >100 To 250, Deduct		-1.30	
		For >250 To 500, Deduct		-2.03	
		For >500 To 1,000, Deduct		-3.04	
		For >1,000, Deduct		-4.05	
		For 304 Stainless Steel, Add		50.93	
		For 316 Stainless Steel, Add		57.18	
		For Aluminum, Add		3.22	
		For Galvanized Steel, Add		11.08	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706			3/16" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0707	LF		2" x 2" x 3/16" Square Steel Tubing.....	16.78	4.64
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.15	
			For >500 To 1,000, Deduct	-1.72	
			For >1,000, Deduct	-2.30	
			For 304 Stainless Steel, Add	30.21	
			For 316 Stainless Steel, Add	33.92	
			For Aluminum, Add	1.91	
			For Galvanized Steel, Add	6.57	
05 12 23 00-0708	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	21.73	6.00
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.49	
			For >500 To 1,000, Deduct	-2.23	
			For >1,000, Deduct	-2.97	
			For 304 Stainless Steel, Add	39.10	
			For 316 Stainless Steel, Add	43.90	
			For Aluminum, Add	2.47	
			For Galvanized Steel, Add	8.51	
05 12 23 00-0709	LF		3" x 3" x 3/16" Square Steel Tubing.....	26.70	7.38
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.83	
			For >500 To 1,000, Deduct	-2.74	
			For >1,000, Deduct	-3.65	
			For 304 Stainless Steel, Add	48.05	
			For 316 Stainless Steel, Add	53.95	
			For Aluminum, Add	3.03	
			For Galvanized Steel, Add	10.45	
05 12 23 00-0710	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	31.68	8.75
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.17	
			For >500 To 1,000, Deduct	-3.25	
			For >1,000, Deduct	-4.34	
			For 304 Stainless Steel, Add	57.03	
			For 316 Stainless Steel, Add	64.03	
			For Aluminum, Add	3.60	
			For Galvanized Steel, Add	12.41	
05 12 23 00-0711	LF		4" x 4" x 3/16" Square Steel Tubing.....	36.60	10.11
			For >100 To 250, Deduct	-1.59	
			For >250 To 500, Deduct	-2.50	
			For >500 To 1,000, Deduct	-3.76	
			For >1,000, Deduct	-5.01	
			For 304 Stainless Steel, Add	65.89	
			For 316 Stainless Steel, Add	73.98	
			For Aluminum, Add	4.16	
			For Galvanized Steel, Add	14.33	
05 12 23 00-0712	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	41.59	11.49
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.85	
			For >500 To 1,000, Deduct	-4.27	
			For >1,000, Deduct	-5.69	
			For 304 Stainless Steel, Add	74.87	
			For 316 Stainless Steel, Add	84.06	
			For Aluminum, Add	4.73	
			For Galvanized Steel, Add	16.29	
05 12 23 00-0713	LF		5" x 5" x 3/16" Square Steel Tubing.....	46.52	12.85
			For >100 To 250, Deduct	-2.02	
			For >250 To 500, Deduct	-3.18	
			For >500 To 1,000, Deduct	-4.77	
			For >1,000, Deduct	-6.37	
			For 304 Stainless Steel, Add	83.73	
			For 316 Stainless Steel, Add	94.02	
			For Aluminum, Add	5.29	
			For Galvanized Steel, Add	18.22	
05 12 23 00-0714	LF		6" x 6" x 3/16" Square Steel Tubing.....	56.48	15.60
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.86	
			For >500 To 1,000, Deduct	-5.80	
			For >1,000, Deduct	-7.73	
			For 304 Stainless Steel, Add	101.66	
			For 316 Stainless Steel, Add	114.14	
			For Aluminum, Add	6.42	
			For Galvanized Steel, Add	22.12	

05 12 23 00-0715 1/4" Wall Thickness (05 12 23 00-0682)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF		2" x 2" x 1/4" Square Steel Tubing.....	17.91	4.64
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.41	
			For 304 Stainless Steel, Add	33.40	
			For 316 Stainless Steel, Add	37.50	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
05 12 23 00-0717	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	23.55	6.10
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.38	
			For >1,000, Deduct	-3.17	
			For 304 Stainless Steel, Add	43.89	
			For 316 Stainless Steel, Add	49.28	
			For Aluminum, Add	2.77	
			For Galvanized Steel, Add	9.55	
05 12 23 00-0718	LF		3" x 3" x 1/4" Square Steel Tubing.....	29.18	7.56
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
			For 304 Stainless Steel, Add	54.41	
			For 316 Stainless Steel, Add	61.09	
			For Aluminum, Add	3.44	
			For Galvanized Steel, Add	11.84	
05 12 23 00-0719	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	34.80	9.02
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.34	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000, Deduct	-4.68	
			For 304 Stainless Steel, Add	64.89	
			For 316 Stainless Steel, Add	72.86	
			For Aluminum, Add	4.10	
			For Galvanized Steel, Add	14.12	
05 12 23 00-0720	LF		4" x 4" x 1/4" Square Steel Tubing.....	40.44	10.49
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.72	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.44	
			For 304 Stainless Steel, Add	75.38	
			For 316 Stainless Steel, Add	84.64	
			For Aluminum, Add	4.76	
			For Galvanized Steel, Add	16.40	
05 12 23 00-0721	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	46.07	11.95
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-4.65	
			For >1,000, Deduct	-6.20	
			For 304 Stainless Steel, Add	85.90	
			For 316 Stainless Steel, Add	96.45	
			For Aluminum, Add	5.43	
			For Galvanized Steel, Add	18.69	
05 12 23 00-0722	LF		5" x 5" x 1/4" Square Steel Tubing.....	51.73	13.41
			For >100 To 250, Deduct	-2.19	
			For >250 To 500, Deduct	-3.48	
			For >500 To 1,000, Deduct	-5.22	
			For >1,000, Deduct	-6.96	
			For 304 Stainless Steel, Add	96.44	
			For 316 Stainless Steel, Add	108.29	
			For Aluminum, Add	6.09	
			For Galvanized Steel, Add	20.98	
05 12 23 00-0723	LF		6" x 6" x 1/4" Square Steel Tubing.....	62.99	16.33
			For >100 To 250, Deduct	-2.66	
			For >250 To 500, Deduct	-4.24	
			For >500 To 1,000, Deduct	-6.36	
			For >1,000, Deduct	-8.48	
			For 304 Stainless Steel, Add	117.45	
			For 316 Stainless Steel, Add	131.87	
			For Aluminum, Add	7.42	
			For Galvanized Steel, Add	25.55	
05 12 23 00-0724			Rectangular Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0725			3/16" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0726	LF		3" x 2" x 3/16" Square Steel Tubing.....	21.73	6.00
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.49	
			For >500 To 1,000, Deduct	-2.23	
			For >1,000, Deduct	-2.97	
			For 304 Stainless Steel, Add	39.10	
			For 316 Stainless Steel, Add	43.90	
			For Aluminum, Add	2.47	
			For Galvanized Steel, Add	8.51	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF		4" x 2" x 3/16" Square Steel Tubing.....	26.70	7.38
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.83	
			For >500 To 1,000, Deduct	-2.74	
			For >1,000, Deduct	-3.65	
			For 304 Stainless Steel, Add	48.05	
			For 316 Stainless Steel, Add	53.95	
			For Aluminum, Add	3.03	
			For Galvanized Steel, Add	10.45	
05 12 23 00-0728	LF		4" x 3" x 3/16" Square Steel Tubing.....	31.68	8.75
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.17	
			For >500 To 1,000, Deduct	-3.25	
			For >1,000, Deduct	-4.34	
			For 304 Stainless Steel, Add	57.03	
			For 316 Stainless Steel, Add	64.03	
			For Aluminum, Add	3.60	
			For Galvanized Steel, Add	12.41	
05 12 23 00-0729	LF		5" x 2" x 3/16" Square Steel Tubing.....	31.68	8.75
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.17	
			For >500 To 1,000, Deduct	-3.25	
			For >1,000, Deduct	-4.34	
			For 304 Stainless Steel, Add	57.03	
			For 316 Stainless Steel, Add	64.03	
			For Aluminum, Add	3.60	
			For Galvanized Steel, Add	12.41	
05 12 23 00-0730	LF		5" x 3" x 3/16" Square Steel Tubing.....	36.60	10.11
			For >100 To 250, Deduct	-1.59	
			For >250 To 500, Deduct	-2.50	
			For >500 To 1,000, Deduct	-3.76	
			For >1,000, Deduct	-5.01	
			For 304 Stainless Steel, Add	65.89	
			For 316 Stainless Steel, Add	73.98	
			For Aluminum, Add	4.16	
			For Galvanized Steel, Add	14.33	
05 12 23 00-0731	LF		5" x 4" x 3/16" Square Steel Tubing.....	41.59	11.49
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.85	
			For >500 To 1,000, Deduct	-4.27	
			For >1,000, Deduct	-5.69	
			For 304 Stainless Steel, Add	74.87	
			For 316 Stainless Steel, Add	84.06	
			For Aluminum, Add	4.73	
			For Galvanized Steel, Add	16.29	
05 12 23 00-0732	LF		6" x 2" x 3/16" Square Steel Tubing.....	36.60	10.11
			For >100 To 250, Deduct	-1.59	
			For >250 To 500, Deduct	-2.50	
			For >500 To 1,000, Deduct	-3.76	
			For >1,000, Deduct	-5.01	
			For 304 Stainless Steel, Add	65.89	
			For 316 Stainless Steel, Add	73.98	
			For Aluminum, Add	4.16	
			For Galvanized Steel, Add	14.33	
05 12 23 00-0733	LF		6" x 3" x 3/16" Square Steel Tubing.....	41.59	11.49
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.85	
			For >500 To 1,000, Deduct	-4.27	
			For >1,000, Deduct	-5.69	
			For 304 Stainless Steel, Add	74.87	
			For 316 Stainless Steel, Add	84.06	
			For Aluminum, Add	4.73	
			For Galvanized Steel, Add	16.29	
05 12 23 00-0734	LF		6" x 4" x 3/16" Square Steel Tubing.....	46.52	12.85
			For >100 To 250, Deduct	-2.02	
			For >250 To 500, Deduct	-3.18	
			For >500 To 1,000, Deduct	-4.77	
			For >1,000, Deduct	-6.37	
			For 304 Stainless Steel, Add	83.73	
			For 316 Stainless Steel, Add	94.02	
			For Aluminum, Add	5.29	
			For Galvanized Steel, Add	18.22	
05 12 23 00-0735			1/4" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0736	LF		3" x 2" x 1/4" Square Steel Tubing.....	23.55	6.10
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.38	
			For >1,000, Deduct	-3.17	
			For 304 Stainless Steel, Add	43.89	
			For 316 Stainless Steel, Add	49.28	
			For Aluminum, Add	2.77	
			For Galvanized Steel, Add	9.55	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF		4" x 2" x 1/4" Square Steel Tubing.....	29.18	7.56
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
			For 304 Stainless Steel, Add	54.41	
			For 316 Stainless Steel, Add	61.09	
			For Aluminum, Add	3.44	
			For Galvanized Steel, Add	11.84	
05 12 23 00-0738	LF		4" x 3" x 1/4" Square Steel Tubing.....	34.80	9.02
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.34	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000, Deduct	-4.68	
			For 304 Stainless Steel, Add	64.89	
			For 316 Stainless Steel, Add	72.86	
			For Aluminum, Add	4.10	
			For Galvanized Steel, Add	14.12	
05 12 23 00-0739	LF		5" x 2" x 1/4" Square Steel Tubing.....	34.80	9.02
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.34	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000, Deduct	-4.68	
			For 304 Stainless Steel, Add	64.89	
			For 316 Stainless Steel, Add	72.86	
			For Aluminum, Add	4.10	
			For Galvanized Steel, Add	14.12	
05 12 23 00-0740	LF		5" x 3" x 1/4" Square Steel Tubing.....	40.44	10.49
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.72	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.44	
			For 304 Stainless Steel, Add	75.38	
			For 316 Stainless Steel, Add	84.64	
			For Aluminum, Add	4.76	
			For Galvanized Steel, Add	16.40	
05 12 23 00-0741	LF		5" x 4" x 1/4" Square Steel Tubing.....	46.07	11.95
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-4.65	
			For >1,000, Deduct	-6.20	
			For 304 Stainless Steel, Add	85.90	
			For 316 Stainless Steel, Add	96.45	
			For Aluminum, Add	5.43	
			For Galvanized Steel, Add	18.69	
05 12 23 00-0742	LF		6" x 2" x 1/4" Square Steel Tubing.....	40.44	10.49
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.72	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.44	
			For 304 Stainless Steel, Add	75.38	
			For 316 Stainless Steel, Add	84.64	
			For Aluminum, Add	4.76	
			For Galvanized Steel, Add	16.40	
05 12 23 00-0743	LF		6" x 3" x 1/4" Square Steel Tubing.....	46.07	11.95
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-4.65	
			For >1,000, Deduct	-6.20	
			For 304 Stainless Steel, Add	85.90	
			For 316 Stainless Steel, Add	96.45	
			For Aluminum, Add	5.43	
			For Galvanized Steel, Add	18.69	
05 12 23 00-0744	LF		6" x 4" x 1/4" Square Steel Tubing.....	51.73	13.41
			For >100 To 250, Deduct	-2.19	
			For >250 To 500, Deduct	-3.48	
			For >500 To 1,000, Deduct	-5.22	
			For >1,000, Deduct	-6.96	
			For 304 Stainless Steel, Add	96.44	
			For 316 Stainless Steel, Add	108.29	
			For Aluminum, Add	6.09	
			For Galvanized Steel, Add	20.98	
05 12 23 00-0745			Round Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0746			0.065" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0747	LF		1" Diameter x 0.065" Round Steel Tubing	4.78	1.12
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000, Deduct	-0.63	
			For 304 Stainless Steel, Add	9.38	
			For 316 Stainless Steel, Add	10.53	
			For Aluminum, Add	0.59	
			For Galvanized Steel, Add	2.04	



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	6.06	1.41
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.60	
			For >1,000, Deduct	-0.79	
			For 304 Stainless Steel, Add	11.91	
			For 316 Stainless Steel, Add	13.38	
			For Aluminum, Add	0.75	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0749	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	7.35	1.71
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.72	
			For >1,000, Deduct	-0.96	
			For 304 Stainless Steel, Add	14.42	
			For 316 Stainless Steel, Add	16.19	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.14	
05 12 23 00-0750	LF		2" Diameter x 0.065" Round Steel Tubing	9.89	2.31
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.30	
			For 304 Stainless Steel, Add	19.44	
			For 316 Stainless Steel, Add	21.82	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
05 12 23 00-0751	LF		2-1/2" Diameter x 0.065" Round Steel Tubing	12.45	2.90
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.82	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000, Deduct	-1.63	
			For 304 Stainless Steel, Add	24.45	
			For 316 Stainless Steel, Add	27.46	
			For Aluminum, Add	1.54	
			For Galvanized Steel, Add	5.32	
05 12 23 00-0752	LF		3" Diameter x 0.065" Round Steel Tubing	15.00	3.50
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.47	
			For >1,000, Deduct	-1.97	
			For 304 Stainless Steel, Add	29.47	
			For 316 Stainless Steel, Add	33.09	
			For Aluminum, Add	1.86	
			For Galvanized Steel, Add	6.41	
05 12 23 00-0753	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	17.56	4.10
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.15	
			For >500 To 1,000, Deduct	-1.73	
			For >1,000, Deduct	-2.30	
			For 304 Stainless Steel, Add	34.49	
			For 316 Stainless Steel, Add	38.72	
			For Aluminum, Add	2.18	
			For Galvanized Steel, Add	7.50	
05 12 23 00-0754	LF		4" Diameter x 0.065" Round Steel Tubing	20.12	4.69
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.32	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000, Deduct	-2.64	
			For 304 Stainless Steel, Add	39.53	
			For 316 Stainless Steel, Add	44.38	
			For Aluminum, Add	2.50	
			For Galvanized Steel, Add	8.60	
05 12 23 00-0755			0.083" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0756	LF		1" Diameter x 0.083" Round Steel Tubing	5.19	1.22
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.51	
			For >1,000, Deduct	-0.68	
			For 304 Stainless Steel, Add	10.15	
			For 316 Stainless Steel, Add	11.39	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
05 12 23 00-0757	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	6.61	1.55
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.43	
			For >500 To 1,000, Deduct	-0.65	
			For >1,000, Deduct	-0.87	
			For 304 Stainless Steel, Add	12.94	
			For 316 Stainless Steel, Add	14.53	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.81	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	8.03		1.88
		For >100 To 250, Deduct	-0.33		
		For >250 To 500, Deduct	-0.53		
		For >500 To 1,000, Deduct	-0.79		
		For >1,000, Deduct	-1.06		
		For 304 Stainless Steel, Add	15.70		
		For 316 Stainless Steel, Add	17.63		
		For Aluminum, Add	0.99		
		For Galvanized Steel, Add	3.42		
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	10.85		2.56
		For >100 To 250, Deduct	-0.44		
		For >250 To 500, Deduct	-0.71		
		For >500 To 1,000, Deduct	-1.07		
		For >1,000, Deduct	-1.43		
		For 304 Stainless Steel, Add	21.23		
		For 316 Stainless Steel, Add	23.84		
		For Aluminum, Add	1.34		
		For Galvanized Steel, Add	4.62		
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.70		3.22
		For >100 To 250, Deduct	-0.56		
		For >250 To 500, Deduct	-0.90		
		For >500 To 1,000, Deduct	-1.35		
		For >1,000, Deduct	-1.80		
		For 304 Stainless Steel, Add	26.79		
		For 316 Stainless Steel, Add	30.08		
		For Aluminum, Add	1.69		
		For Galvanized Steel, Add	5.83		
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	16.53		3.89
		For >100 To 250, Deduct	-0.67		
		For >250 To 500, Deduct	-1.09		
		For >500 To 1,000, Deduct	-1.63		
		For >1,000, Deduct	-2.17		
		For 304 Stainless Steel, Add	32.32		
		For 316 Stainless Steel, Add	36.29		
		For Aluminum, Add	2.04		
		For Galvanized Steel, Add	7.03		
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	19.35		4.55
		For >100 To 250, Deduct	-0.79		
		For >250 To 500, Deduct	-1.27		
		For >500 To 1,000, Deduct	-1.91		
		For >1,000, Deduct	-2.54		
		For 304 Stainless Steel, Add	37.85		
		For 316 Stainless Steel, Add	42.50		
		For Aluminum, Add	2.39		
		For Galvanized Steel, Add	8.23		
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	22.18		5.22
		For >100 To 250, Deduct	-0.90		
		For >250 To 500, Deduct	-1.46		
		For >500 To 1,000, Deduct	-2.19		
		For >1,000, Deduct	-2.91		
		For 304 Stainless Steel, Add	43.38		
		For 316 Stainless Steel, Add	48.70		
		For Aluminum, Add	2.74		
		For Galvanized Steel, Add	9.44		
05 12 23 00-0764		0.125" Wall Thickness (05 12 23 00-0745)			
05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.61		3.22
		For >100 To 250, Deduct	-0.51		
		For >250 To 500, Deduct	-0.80		
		For >500 To 1,000, Deduct	-1.19		
		For >1,000, Deduct	-1.59		
		For 304 Stainless Steel, Add	20.83		
		For 316 Stainless Steel, Add	23.39		
		For Aluminum, Add	1.32		
		For Galvanized Steel, Add	4.53		
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.71		4.09
		For >100 To 250, Deduct	-0.64		
		For >250 To 500, Deduct	-1.01		
		For >500 To 1,000, Deduct	-1.51		
		For >1,000, Deduct	-2.02		
		For 304 Stainless Steel, Add	26.39		
		For 316 Stainless Steel, Add	29.63		
		For Aluminum, Add	1.67		
		For Galvanized Steel, Add	5.74		
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	17.81		4.94
		For >100 To 250, Deduct	-0.78		
		For >250 To 500, Deduct	-1.22		
		For >500 To 1,000, Deduct	-1.83		
		For >1,000, Deduct	-2.44		
		For 304 Stainless Steel, Add	31.95		
		For 316 Stainless Steel, Add	35.87		
		For Aluminum, Add	2.02		
		For Galvanized Steel, Add	6.95		



		Metals	05	05
		Structural Metal Framing	05 10	
		Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	20.90	5.81
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.86	
			For 304 Stainless Steel, Add	37.51	
			For 316 Stainless Steel, Add	42.11	
			For Aluminum, Add	2.37	
			For Galvanized Steel, Add	8.16	
05 12 23 00-0769	LF		4" Diameter x 0.125" Round Steel Tubing	24.00	6.67
			For >100 To 250, Deduct	-1.04	
			For >250 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-2.47	
			For >1,000, Deduct	-3.29	
			For 304 Stainless Steel, Add	43.06	
			For 316 Stainless Steel, Add	48.35	
			For Aluminum, Add	2.72	
			For Galvanized Steel, Add	9.37	
05 12 23 00-0770			Flat Steel Bar (05 12 23 00-0422)		
05 12 23 00-0771			1/8" Thick (05 12 23 00-0770)		
05 12 23 00-0772	LF		1/8" Thick x 1" Wide Flat Steel Bar	3.43	1.60
			For 304 Stainless Steel, Add	2.91	
			For 316 Stainless Steel, Add	3.26	
			For Aluminum, Add	0.18	
			For Galvanized Steel, Add	0.63	
05 12 23 00-0773	LF		1/8" Thick x 2" Wide Flat Steel Bar	5.31	2.41
			For 304 Stainless Steel, Add	4.85	
			For 316 Stainless Steel, Add	5.44	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.05	
05 12 23 00-0774	LF		1/8" Thick x 4" Wide Flat Steel Bar	8.18	3.39
			For 304 Stainless Steel, Add	8.81	
			For 316 Stainless Steel, Add	9.89	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0775	LF		1/8" Thick x 6" Wide Flat Steel Bar	11.08	4.60
			For 304 Stainless Steel, Add	11.88	
			For 316 Stainless Steel, Add	13.34	
			For Aluminum, Add	0.75	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0776			3/16" Thick (05 12 23 00-0770)		
05 12 23 00-0777	LF		3/16" Thick x 1" Wide Flat Steel Bar	4.54	1.99
			For 304 Stainless Steel, Add	4.42	
			For 316 Stainless Steel, Add	4.96	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.96	
05 12 23 00-0778	LF		3/16" Thick x 2" Wide Flat Steel Bar	7.17	2.99
			For 304 Stainless Steel, Add	7.64	
			For 316 Stainless Steel, Add	8.58	
			For Aluminum, Add	0.48	
			For Galvanized Steel, Add	1.66	
05 12 23 00-0779	LF		3/16" Thick x 4" Wide Flat Steel Bar	9.68	3.43
			For 304 Stainless Steel, Add	12.88	
			For 316 Stainless Steel, Add	14.46	
			For Aluminum, Add	0.81	
			For Galvanized Steel, Add	2.80	
05 12 23 00-0780	LF		3/16" Thick x 6" Wide Flat Steel Bar	13.40	4.76
			For 304 Stainless Steel, Add	17.81	
			For 316 Stainless Steel, Add	20.00	
			For Aluminum, Add	1.13	
			For Galvanized Steel, Add	3.88	
05 12 23 00-0781			1/4" Thick (05 12 23 00-0770)		
05 12 23 00-0782	LF		1/4" Thick x 1" Wide Flat Steel Bar	4.69	2.10
			For 304 Stainless Steel, Add	4.36	
			For 316 Stainless Steel, Add	4.90	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.95	
05 12 23 00-0783	LF		1/4" Thick x 2" Wide Flat Steel Bar	7.84	3.16
			For 304 Stainless Steel, Add	8.84	
			For 316 Stainless Steel, Add	9.92	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0784	LF		1/4" Thick x 4" Wide Flat Steel Bar	11.43	3.61
			For 304 Stainless Steel, Add	17.13	
			For 316 Stainless Steel, Add	19.23	
			For Aluminum, Add	1.08	
			For Galvanized Steel, Add	3.73	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF		1/4" Thick x 6" Wide Flat Steel Bar	16.53	5.34
			For 304 Stainless Steel, Add	24.25	
			For 316 Stainless Steel, Add	27.23	
			For Aluminum, Add	1.53	
			For Galvanized Steel, Add	5.28	
05 12 23 00-0786			3/8" Thick (05 12 23 00-0770)		
05 12 23 00-0787	LF		3/8" Thick x 1" Wide Flat Steel Bar	5.97	2.37
			For 304 Stainless Steel, Add	6.87	
			For 316 Stainless Steel, Add	7.71	
			For Aluminum, Add	0.43	
			For Galvanized Steel, Add	1.49	
05 12 23 00-0788	LF		3/8" Thick x 2" Wide Flat Steel Bar	9.78	3.55
			For 304 Stainless Steel, Add	12.65	
			For 316 Stainless Steel, Add	14.21	
			For Aluminum, Add	0.80	
			For Galvanized Steel, Add	2.75	
05 12 23 00-0789	LF		3/8" Thick x 4" Wide Flat Steel Bar	14.98	4.06
			For 304 Stainless Steel, Add	25.34	
			For 316 Stainless Steel, Add	28.45	
			For Aluminum, Add	1.60	
			For Galvanized Steel, Add	5.51	
05 12 23 00-0790	LF		3/8" Thick x 6" Wide Flat Steel Bar	21.52	6.00
			For 304 Stainless Steel, Add	35.63	
			For 316 Stainless Steel, Add	40.00	
			For Aluminum, Add	2.25	
			For Galvanized Steel, Add	7.75	
05 12 23 00-0791			1/2" Thick (05 12 23 00-0770)		
05 12 23 00-0792	LF		1/2" Thick x 1" Wide Flat Steel Bar	7.01	2.60
			For 304 Stainless Steel, Add	8.81	
			For 316 Stainless Steel, Add	9.89	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0793	LF		1/2" Thick x 2" Wide Flat Steel Bar	11.54	3.92
			For 304 Stainless Steel, Add	16.16	
			For 316 Stainless Steel, Add	18.14	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.52	
05 12 23 00-0794	LF		1/2" Thick x 4" Wide Flat Steel Bar	16.36	4.45
			For 304 Stainless Steel, Add	27.53	
			For 316 Stainless Steel, Add	30.91	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	5.99	
05 12 23 00-0795	LF		1/2" Thick x 6" Wide Flat Steel Bar	29.19	6.61
			For 304 Stainless Steel, Add	54.92	
			For 316 Stainless Steel, Add	61.66	
			For Aluminum, Add	3.47	
			For Galvanized Steel, Add	11.95	
05 12 23 00-0796			Flat Steel Plate (05 12 23 00-0422)		
05 12 23 00-0797	SF		1/8" Thick Flat Steel Plate.....	17.63	6.91
			For 304 Stainless Steel, Add	20.72	
			For 316 Stainless Steel, Add	23.26	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.51	
05 12 23 00-0798	SF		3/16" Thick Flat Steel Plate.....	19.84	7.15
			For 304 Stainless Steel, Add	25.94	
			For 316 Stainless Steel, Add	29.12	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.64	
05 12 23 00-0799	SF		1/4" Thick Flat Steel Plate.....	23.62	8.01
			For 304 Stainless Steel, Add	33.06	
			For 316 Stainless Steel, Add	37.12	
			For Aluminum, Add	2.09	
			For Galvanized Steel, Add	7.19	
05 12 23 00-0800	SF		3/8" Thick Flat Steel Plate.....	31.73	9.01
			For 304 Stainless Steel, Add	51.90	
			For 316 Stainless Steel, Add	58.27	
			For Aluminum, Add	3.28	
			For Galvanized Steel, Add	11.29	
05 12 23 00-0801	SF		1/2" Thick Flat Steel Plate.....	37.55	9.91
			For 304 Stainless Steel, Add	64.64	
			For 316 Stainless Steel, Add	72.58	
			For Aluminum, Add	4.08	
			For Galvanized Steel, Add	14.06	
05 12 23 00-0802	SF		3/4" Thick Flat Steel Plate.....	61.14	12.28
			For 304 Stainless Steel, Add	121.24	
			For 316 Stainless Steel, Add	136.13	
			For Aluminum, Add	7.66	
			For Galvanized Steel, Add	26.37	



			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
05 12 23 00-0803	SF	1" Thick Flat Steel Plate..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	81.48 165.98 186.37 10.48 36.11	15.35
05 12 23 00-0804 Metal Runner/Track (05 12 23 00-0422)				
05 12 23 00-0805	LF	4" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	9.73 -0.50 -0.74 -1.12 -1.49	3.84
05 12 23 00-0806	LF	6" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	11.88 -0.58 -0.88 -1.32 -1.76	4.29
05 12 23 00-0807	LF	8" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	14.32 -0.69 -1.05 -1.57 -2.09	4.93
05 12 23 00-0808	LF	10" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	16.83 -0.78 -1.20 -1.80 -2.40	5.37
05 12 23 00-0809	LF	4" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	10.71 -0.53 -0.79 -1.19 -1.59	3.84
05 12 23 00-0810	LF	6" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	13.29 -0.62 -0.95 -1.43 -1.90	4.29
05 12 23 00-0811	LF	8" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	15.73 -0.72 -1.12 -1.67 -2.23	4.93
05 12 23 00-0812	LF	10" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	18.59 -0.82 -1.29 -1.93 -2.58	5.37
05 12 23 00-0813	LF	4" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	12.03 -0.58 -0.89 -1.33 -1.77	4.25
05 12 23 00-0814	LF	6" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	14.93 -0.69 -1.06 -1.59 -2.12	4.72
05 12 23 00-0815	LF	8" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	17.06 -0.79 -1.22 -1.82 -2.43	5.43
05 12 23 00-0816	LF	10" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	20.16 -0.90 -1.40 -2.10 -2.80	5.90

05 12 33 Structural Steel for Bridges (05 12)

See CSI section 05 12 23 00-0000 for structural steel, 34 05 43 00-0337 for bridge girder repair.

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001 Stainless Steel Tube (05 13)

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube.....	38.56
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	50.05
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube.....	68.44

05 14 Structural Aluminum Framing (05 10)

05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0001		Rolled Or Plate Shapes (05 14 13) Note: 1" through 10" member.		
05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members.....	10.19	0.93
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.97	0.86
05 14 13 00-0004		Aluminum Extrusions (05 14 13)		
05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	16.41	3.86
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	17.40	3.86
05 14 13 00-0007		Aluminum Tubing (05 14 13)		
05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	14.71	2.35
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.92	3.82
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	15.70	4.17
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	18.01	4.85
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	21.52	5.22
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	64.24	6.61
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	52.53	5.91
05 14 13 00-0015		Columns (05 14 13) Note: Baked on paint finish, load bearing.		
05 14 13 00-0016		Round Columns (05 14 13 00-0015)		
05 14 13 00-0017	LF	6" Diameter Aluminum Column.....	58.73	7.43
05 14 13 00-0018	LF	8" Diameter Aluminum Column.....	78.11	10.64
05 14 13 00-0019	LF	10" Diameter Aluminum Column.....	95.63	11.97
05 14 13 00-0020	LF	12" Diameter Aluminum Column.....	145.30	12.53
05 14 13 00-0021	LF	15" Diameter Aluminum Column.....	185.91	14.53
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap.....	114.57	13.86
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap.....	131.44	14.97
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap.....	166.68	16.63
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap.....	291.85	17.75
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap.....	449.53	19.41
05 14 13 00-0027		Octagonal Columns (05 14 13 00-0015)		
05 14 13 00-0028	LF	6" Diameter Aluminum Column.....	65.90	7.43
05 14 13 00-0029	LF	8" Diameter Aluminum Column.....	89.46	10.64
05 14 13 00-0030	LF	10" Diameter Aluminum Column.....	109.96	11.97
05 14 13 00-0031	LF	12" Diameter Aluminum Column.....	169.36	12.53
05 14 13 00-0032	LF	15" Diameter Aluminum Column.....	217.30	14.53
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap.....	131.94	13.86
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap.....	151.74	14.97
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap.....	193.37	16.63
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap.....	343.12	17.75
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap.....	531.67	19.41
05 14 13 00-0038		Fluted Columns (05 14 13 00-0015)		
05 14 13 00-0039	LF	6" Diameter Aluminum Column.....	73.57	7.43
05 14 13 00-0040	LF	8" Diameter Aluminum Column.....	99.68	10.64
05 14 13 00-0041	LF	10" Diameter Aluminum Column.....	122.87	11.97
05 14 13 00-0042	LF	12" Diameter Aluminum Column.....	191.02	12.53
05 14 13 00-0043	LF	15" Diameter Aluminum Column.....	245.55	14.53
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap.....	147.57	13.86
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap.....	170.01	14.97
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap.....	217.38	16.63
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap.....	389.26	17.75
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap.....	605.60	19.41
05 14 13 00-0049		Square Columns (05 14 13 00-0015)		
05 14 13 00-0050	LF	6" Aluminum Column	78.82	7.43
05 14 13 00-0051	LF	8" Aluminum Column	106.67	10.64
05 14 13 00-0052	LF	10" Aluminum Column	131.69	11.97
05 14 13 00-0053	LF	12" Aluminum Column	205.83	12.53
05 14 13 00-0054	LF	15" Aluminum Column	264.87	14.53
05 14 13 00-0055	EA	6" Aluminum Base And Cap.....	158.26	13.86
05 14 13 00-0056	EA	8" Aluminum Base And Cap.....	182.50	14.97
05 14 13 00-0057	EA	10" Aluminum Base And Cap.....	233.80	16.63
05 14 13 00-0058	EA	12" Aluminum Base And Cap.....	420.82	17.75
05 14 13 00-0059	EA	15" Aluminum Base And Cap.....	656.15	19.41
05 14 13 00-0060		Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)		
05 14 13 00-0061	EA	8" Corinthian Capital And Base.....	917.47	16.63
05 14 13 00-0062	EA	10" Corinthian Capital And Base.....	1,351.89	19.41
05 14 13 00-0063	EA	12" Corinthian Capital And Base.....	2,141.50	22.18



	Metals	05	05
	Structural Metal Framing	05 10	
	Structural Aluminum Framing	05 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0064	EA		8" Scamozzi Capital And Base	452.70	16.63
05 14 13 00-0065	EA		10" Scamozzi Capital And Base	607.50	19.41
05 14 13 00-0066	EA		12" Scamozzi Capital And Base	1,227.83	22.18

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.63	0.11
		For >500, Deduct	-0.29	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.20	0.11
		For >500, Deduct	-0.38	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.61	0.23
		For >500, Deduct	-0.43	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.16	0.23
		For >500, Deduct	-0.51	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.66	0.34
		For >500, Deduct	-0.57	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.48	0.45
		For >500, Deduct	-0.69	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.34	0.45
		For >500, Deduct	-0.82	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.41	0.81
		For >500, Deduct	-1.12	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.97	0.92
		For >500, Deduct	-1.50	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.41	1.26
		For >500, Deduct	-1.83	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.35	1.60
		For >500, Deduct	-2.26	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	18.71	1.94
		For >500, Deduct	-2.76	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.92	0.11
		For >500, Deduct	-0.35	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.49	0.11
		For >500, Deduct	-0.44	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.09	0.23
		For >500, Deduct	-0.53	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.52	0.23
		For >500, Deduct	-0.58	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.19	0.34
		For >500, Deduct	-0.68	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.82	0.45
		For >500, Deduct	-0.76	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.63	0.45
		For >500, Deduct	-0.88	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.27	0.81
		For >500, Deduct	-1.29	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.60	0.92
		For >500, Deduct	-1.63	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.04	1.26
		For >500, Deduct	-1.97	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	16.70	1.60
		For >500, Deduct	-2.52	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	20.31 -3.08	1.94
05 15 16 00-0027		6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	1.52 -0.27	0.11
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	2.07 -0.35	0.11
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	2.46 -0.40	0.23
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	2.89 -0.46	0.23
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	3.48 -0.54	0.34
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	4.40 -0.68	0.45
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	5.13 -0.78	0.45
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	7.22 -1.08	0.81
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	8.84 -1.28	0.92
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... For >500, Deduct	11.23 -1.60	1.26
05 15 16 00-0038		6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	1.50 -0.26	0.11
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	1.99 -0.34	0.11
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	2.46 -0.40	0.23
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	2.89 -0.46	0.23
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	3.64 -0.57	0.34
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	4.33 -0.66	0.45
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	5.42 -0.84	0.45
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	7.56 -1.15	0.81
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	9.89 -1.49	0.92
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	12.20 -1.80	1.26
05 15 16 00-0049		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	2.79 -0.47	0.23
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	3.27 -0.53	0.23
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	3.83 -0.61	0.34
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	5.15 -0.83	0.45
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	5.67 -0.89	0.45
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	7.74 -1.19	0.81
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	9.93 -1.50	0.92
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	13.08 -1.97	1.26
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... For >500, Deduct	15.85 -2.36	1.60



	Metals	05	05
	Structural Metal Framing	05 10	
	Wire Rope Assemblies	05 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	19.13 -2.84	1.94
05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.86 -0.48	0.23
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.46 -0.57	0.23
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	4.10 -0.66	0.34
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.72 -0.94	0.45
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.76 -0.90	0.45
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	7.93 -1.22	0.81
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	10.50 -1.61	0.92
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	13.27 -2.01	1.26
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ^(05 15 16)		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.95 -0.55	0.11
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.19 -0.58	0.11
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.76 -0.67	0.23
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	5.05 -0.89	0.23
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	5.75 -1.03	0.23
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	6.64 -1.13	0.45
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	7.89 -1.33	0.45
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	10.87 -1.82	0.68
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable ^(05 15 16)		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.33 -0.04	0.08
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.38 -0.05	0.09
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.43 -0.05	0.10
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.50 -0.06	0.11
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.60 -0.08	0.11
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable ^(05 15 16)		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.60 -0.09	0.10
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.65 -0.09	0.11
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.74 -0.11	0.11
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.87 -0.14	0.11

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0089 LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.33 -0.20	0.11
05 15 16 00-0090 LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.77 -0.27	0.11
05 15 16 00-0091 Heavy-Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)		
05 15 16 00-0092 EA 1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	14.86	3.43
05 15 16 00-0093 EA 5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	16.97	3.43
05 15 16 00-0094 EA 3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	19.31	3.43
05 15 16 00-0095 EA 7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	25.74	3.43
05 15 16 00-0096 EA 1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	25.77	3.43
05 15 16 00-0097 EA 9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	25.77	3.43
05 15 16 00-0098 EA 5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	27.95	3.43
05 15 16 00-0099 EA 3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	51.31	5.27
05 15 16 00-0100 EA 7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	60.49	6.41
05 15 16 00-0101 EA 1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	107.91	10.53
05 15 16 00-0102 EA 1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	155.12	14.32
05 15 16 00-0103 EA 1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	155.12	14.32
05 15 16 00-0104 Galvanized Steel, Wire Rope Clips (05 15 16)		
05 15 16 00-0105 EA 1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	18.26	3.43
05 15 16 00-0106 EA 3/16" Diameter, Galvanized Steel, Wire Rope Clip.....	18.68	3.43
05 15 16 00-0107 EA 1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	21.56	3.43
05 15 16 00-0108 EA 5/16" Diameter, Galvanized Steel, Wire Rope Clip.....	22.01	3.43
05 15 16 00-0109 EA 3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	22.66	3.43
05 15 16 00-0110 EA 7/16" Diameter, Galvanized Steel, Wire Rope Clip.....	28.85	3.43
05 15 16 00-0111 EA 1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	29.32	3.43
05 15 16 00-0112 EA 9/16" Diameter, Galvanized Steel, Wire Rope Clip.....	33.76	3.43
05 15 16 00-0113 EA 5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	34.41	3.43
05 15 16 00-0114 EA 3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	46.95	4.58
05 15 16 00-0115 EA 7/8" Diameter, Galvanized Steel, Wire Rope Clip.....	70.02	6.87
05 15 16 00-0116 EA 1" Diameter, Galvanized Steel, Wire Rope Clip.....	77.27	6.87
05 15 16 00-0117 EA 1-1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	90.44	9.16
05 15 16 00-0118 EA 1-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	131.30	13.75
05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)		
05 15 16 00-0120 EA 1/4" Diameter, Steel, Open Swage Socket.....	104.40	3.43
05 15 16 00-0121 EA 5/16" Diameter, Steel, Open Swage Socket.....	167.10	3.43
05 15 16 00-0122 EA 3/8" Diameter, Steel, Open Swage Socket.....	171.63	4.58
05 15 16 00-0123 EA 7/16" Diameter, Steel, Open Swage Socket.....	203.72	5.73
05 15 16 00-0124 EA 1/2" Diameter, Steel, Open Swage Socket.....	203.72	5.73
05 15 16 00-0125 EA 9/16" Diameter, Steel, Open Swage Socket.....	296.15	12.60
05 15 16 00-0126 EA 5/8" Diameter, Steel, Open Swage Socket.....	296.15	12.60
05 15 16 00-0127 EA 3/4" Diameter, Steel, Open Swage Socket.....	375.13	24.05
05 15 16 00-0128 EA 7/8" Diameter, Steel, Open Swage Socket.....	504.23	34.36
05 15 16 00-0129 EA 1" Diameter, Steel, Open Swage Socket.....	707.72	52.69
05 15 16 00-0130 EA 1-1/8" Diameter, Steel, Open Swage Socket.....	923.28	82.47
05 15 16 00-0131 EA 1-1/4" Diameter, Steel, Open Swage Socket.....	1,074.89	95.07
05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)		
05 15 16 00-0133 EA 1/4" Diameter, Steel, Closed Swage Socket.....	83.72	3.43
05 15 16 00-0134 EA 5/16" Diameter, Steel, Closed Swage Socket.....	113.80	3.43
05 15 16 00-0135 EA 3/8" Diameter, Steel, Closed Swage Socket.....	113.80	3.43
05 15 16 00-0136 EA 7/16" Diameter, Steel, Closed Swage Socket.....	141.63	4.58
05 15 16 00-0137 EA 1/2" Diameter, Steel, Closed Swage Socket.....	142.89	4.58
05 15 16 00-0138 EA 9/16" Diameter, Steel, Closed Swage Socket.....	195.07	8.02
05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket.....	200.52	9.16
05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket.....	246.85	14.89
05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket.....	317.86	21.76
05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket.....	454.72	29.78
05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket.....	561.96	41.23
05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket.....	758.05	64.14
05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)		
05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket.....	175.70	3.43
05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket.....	179.85	3.43
05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket.....	179.85	3.43
05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket.....	199.79	6.87
05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket.....	199.79	6.87
05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket.....	260.75	11.45
05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket.....	260.75	11.45
05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket.....	328.86	17.18
05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket.....	490.74	28.63
05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket.....	896.27	44.67
05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket.....	1,044.18	72.16



		Metals	05	05
		Structural Metal Framing	05 10	
		Wire Rope Assemblies	05 15	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,412.02	95.07	
05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)					
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	147.09	3.43	
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	147.65	3.43	
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	147.65	3.43	
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	164.57	5.73	
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	164.57	5.73	
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	229.08	10.31	
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	229.08	10.31	
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	279.53	14.89	
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	407.71	22.91	
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	615.14	35.51	
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	804.86	48.11	
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	1,012.37	64.14	
05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)					
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	100.72	3.43	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.39		
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	108.15	3.43	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.51		
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	121.90	3.43	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.57		
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	134.15	4.58	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.24		
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	176.77	5.73	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.94		
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	200.75	6.87	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.97		
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	203.27	9.16	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.20		
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	252.32	9.16	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.12		
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	286.86	10.31	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.89		
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	273.92	12.60	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-33.78		
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	311.09	14.89	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-37.62		
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	385.58	16.03	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-48.02		
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	463.83	19.47	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-57.73		
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	524.95	27.49	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-62.38		
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	637.51	32.08	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-76.54		
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	545.99	27.49	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-65.54		
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	621.86	35.51	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-71.80		
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	855.82	44.67	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-101.94		
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	955.28	52.69	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-112.05		
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,060.92	64.14	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-120.96		
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,284.21	72.16	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-149.68		
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,670.32	82.47	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-201.46		
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,646.94	88.19	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-194.18		
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,801.22	114.53	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-201.46		
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,283.10	148.89	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-406.56		
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,352.57	286.34	
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-631.08		
05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)					
05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.97		
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.07		
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.87		
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	27.41		
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	27.28		
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	37.84		
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	45.96		
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	62.71		
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	85.07		

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	124.77		
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	148.73		
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	272.85		
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	313.17		
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	387.97		
05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)					
05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.82		
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.95		
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.29		
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.62		
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	29.98		
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.22		
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.68		
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	42.36		
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.75		
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.00		
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.11		
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.69		
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.46		
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	49.20		
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.79		
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	60.59		
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	52.99		
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.08		
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.00		
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.77		
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.15		
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	64.98		
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	74.83		
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	86.67		
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	71.11		
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	71.24		
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	72.66		
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	80.54		
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	87.03		
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	102.19		
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	136.01		
05 15 19 Stainless Steel Wire Rope Assemblies (05 15 19)					
05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)					
05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.29		0.08
		For >500, Deduct	-0.03		
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.37		0.09
		For >500, Deduct	-0.05		
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.48		0.10
		For >500, Deduct	-0.06		
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.63		0.11
		For >500, Deduct	-0.09		
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.77		0.11
		For >500, Deduct	-0.11		
05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)					
05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.54		0.10
		For >500, Deduct	-0.08		
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.63		0.11
		For >500, Deduct	-0.09		
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.73		0.11
		For >500, Deduct	-0.10		
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.92		0.11
		For >500, Deduct	-0.15		
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.41		0.11
		For >500, Deduct	-0.22		
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.11		0.23
		For >500, Deduct	-0.33		
05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)					
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.29		0.08
		For >500, Deduct	-0.03		
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.37		0.09
		For >500, Deduct	-0.05		
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.48		0.10
		For >500, Deduct	-0.06		
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.63		0.11
		For >500, Deduct	-0.09		
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.77		0.11
		For >500, Deduct	-0.11		



	Metals	05	05
	Structural Metal Framing	05 10	
	Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 15 19 00-0020	7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0021	LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.54	0.10
	For >500, Deduct	-0.08	
05 15 19 00-0022	LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.63	0.11
	For >500, Deduct	-0.09	
05 15 19 00-0023	LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.73	0.11
	For >500, Deduct	-0.10	
05 15 19 00-0024	LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.92	0.11
	For >500, Deduct	-0.15	
05 15 19 00-0025	LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.41	0.11
	For >500, Deduct	-0.22	
05 15 19 00-0026	LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	2.11	0.11
	For >500, Deduct	-0.33	

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05 21 19 00-0001	Open Web Joists (05 21 19)		
05 21 19 00-0002	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,845.49	205.54
	For Welded Cross Bridging, Add	256.92	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	238.69	
05 21 19 00-0003	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,608.26	192.69
	For Welded Cross Bridging, Add	228.38	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	221.64	
05 21 19 00-0004	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	3,131.33	192.69
	For Welded Cross Bridging, Add	237.16	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	280.90	
05 21 19 00-0005	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,547.47	192.69
	For Welded Cross Bridging, Add	237.16	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	330.83	
05 21 19 00-0006	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,145.19	192.69
	For Welded Cross Bridging, Add	256.92	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	274.65	
05 21 19 00-0007	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	3,911.60	192.69
	For Welded Cross Bridging, Add	237.16	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	374.53	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001	Open Ribbed Galvanized Steel Deck (05 31 13)		
05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.24	0.52
	For Site Installed Insulation Between Ribs, Add	0.86	
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Up To 100, Add	0.91	
	For >100 To 500, Add	0.52	
	For >500 To 1,500, Add	0.16	
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.68	0.60
	For Site Installed Insulation Between Ribs, Add	0.98	
	For Painted, Deduct	-0.15	
	For Perforated Or Slotted, Add	0.15	
	For Up To 100, Add	1.04	
	For >100 To 500, Add	0.59	
	For >500 To 1,500, Add	0.19	
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.62	0.73
	For Site Installed Insulation Between Ribs, Add	1.22	
	For Painted, Deduct	-0.19	
	For Perforated Or Slotted, Add	0.19	
	For Up To 100, Add	1.28	
	For >100 To 500, Add	0.74	
	For >500 To 1,500, Add	0.23	
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.55	0.58
	For Site Installed Insulation Between Ribs, Add	0.94	
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Up To 100, Add	1.01	
	For >100 To 500, Add	0.57	
	For >500 To 1,500, Add	0.18	

05 Metals**05 30 Metal Decking****05 31 Steel Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	.....	4.08	0.67
		For Site Installed Insulation Between Ribs, Add	.....	1.08	
		For Painted, Deduct	.....	-0.16	
		For Perforated Or Slotted, Add	.....	0.16	
		For Up To 100, Add	.....	1.16	
		For >100 To 500, Add	.....	0.66	
		For >500 To 1,500, Add	.....	0.21	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	.....	5.13	0.82
		For Site Installed Insulation Between Ribs, Add	.....	1.36	
		For Painted, Deduct	.....	-0.21	
		For Perforated Or Slotted, Add	.....	0.21	
		For Up To 100, Add	.....	1.43	
		For >100 To 500, Add	.....	0.82	
		For >500 To 1,500, Add	.....	0.26	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	.....	4.02	0.61
		For Site Installed Insulation Between Ribs, Add	.....	1.06	
		For Painted, Deduct	.....	-0.16	
		For Perforated Or Slotted, Add	.....	0.16	
		For Up To 100, Add	.....	1.10	
		For >100 To 500, Add	.....	0.63	
		For >500 To 1,500, Add	.....	0.19	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	.....	4.66	0.71
		For Site Installed Insulation Between Ribs, Add	.....	1.23	
		For Painted, Deduct	.....	-0.19	
		For Perforated Or Slotted, Add	.....	0.19	
		For Up To 100, Add	.....	1.25	
		For >100 To 500, Add	.....	0.73	
		For >500 To 1,500, Add	.....	0.22	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	.....	5.74	0.79
		For Site Installed Insulation Between Ribs, Add	.....	1.51	
		For Painted, Deduct	.....	-0.24	
		For Perforated Or Slotted, Add	.....	0.24	
		For Up To 100, Add	.....	1.47	
		For >100 To 500, Add	.....	0.87	
		For >500 To 1,500, Add	.....	0.25	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	.....	7.20	0.86
		For Site Installed Insulation Between Ribs, Add	.....	1.88	
		For Painted, Deduct	.....	-0.31	
		For Perforated Or Slotted, Add	.....	0.31	
		For Up To 100, Add	.....	1.68	
		For >100 To 500, Add	.....	1.04	
		For >500 To 1,500, Add	.....	0.27	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	.....	4.49	0.65
		For Site Installed Insulation Between Ribs, Add	.....	1.18	
		For Painted, Deduct	.....	-0.18	
		For Perforated Or Slotted, Add	.....	0.18	
		For Up To 100, Add	.....	1.18	
		For >100 To 500, Add	.....	0.69	
		For >500 To 1,500, Add	.....	0.20	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	.....	5.23	0.73
		For Site Installed Insulation Between Ribs, Add	.....	1.38	
		For Painted, Deduct	.....	-0.22	
		For Perforated Or Slotted, Add	.....	0.22	
		For Up To 100, Add	.....	1.34	
		For >100 To 500, Add	.....	0.80	
		For >500 To 1,500, Add	.....	0.23	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	.....	6.52	0.90
		For Site Installed Insulation Between Ribs, Add	.....	1.71	
		For Painted, Deduct	.....	-0.27	
		For Perforated Or Slotted, Add	.....	0.27	
		For Up To 100, Add	.....	1.67	
		For >100 To 500, Add	.....	0.99	
		For >500 To 1,500, Add	.....	0.28	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	.....	8.22	1.10
		For Site Installed Insulation Between Ribs, Add	.....	2.16	
		For Painted, Deduct	.....	-0.34	
		For Perforated Or Slotted, Add	.....	0.34	
		For Up To 100, Add	.....	2.06	
		For >100 To 500, Add	.....	1.23	
		For >500 To 1,500, Add	.....	0.34	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	.....	11.86	
		For Site Installed Insulation Between Ribs, Add	.....	3.04	
		For Painted, Deduct	.....	-0.54	
		For Perforated Or Slotted, Add	.....	0.54	
		For Up To 100, Add	.....	2.08	
		For >100 To 500, Add	.....	1.48	
		For >500 To 1,500, Add	.....	0.25	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	.....	14.95	0.90
		For Site Installed Insulation Between Ribs, Add	.....	3.82	
		For Painted, Deduct	.....	-0.69	
		For Perforated Or Slotted, Add	.....	0.69	
		For Up To 100, Add	.....	2.51	
		For >100 To 500, Add	.....	1.83	
		For >500 To 1,500, Add	.....	0.28	



		Metals	05	05
		Metal Decking	05 30	
		Steel Decking	05 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	13.89 3.56 -0.64 0.64 2.41 1.73 0.28	0.90
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	14.56 3.74 -0.66 0.66 2.69 1.87 0.34	1.10
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	18.18 4.67 -0.83 0.83 3.31 2.32 0.42	1.33
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	16.09 4.14 -0.73 0.73 2.96 2.06 0.38	1.21
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	20.06 5.15 -0.91 0.91 3.65 2.56 0.46	1.46
05 31 13 00-0023		Cellular Galvanized Steel Deck (05 31 13) Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Insulated Cells, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	10.64 2.75 -0.47 0.47 2.13 2.11 1.41 0.29	0.92
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Insulated Cells, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	11.57 3.01 -0.50 0.50 2.26 2.53 1.62 0.38	1.23
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Insulated Cells, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	13.05 3.35 -0.59 0.59 2.66 2.39 1.67 0.30	0.96
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Insulated Cells, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	14.13 3.65 -0.63 0.63 2.82 2.86 1.90 0.40	1.29
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck..... <i>For Site Installed Insulation Between Ribs, Add</i> <i>For Painted, Deduct</i> <i>For Perforated Or Slotted, Add</i> <i>For Insulated Cells, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >500 To 1,500, Add</i>	14.95 3.85 -0.68 0.68 3.04 2.80 1.93 0.36	1.19

05 Metals**05 30 Metal Decking****05 31 Steel Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	.....	17.86	1.36
		For Site Installed Insulation Between Ribs, Add		4.59	
		For Painted, Deduct		-0.81	
		For Perforated Or Slotted, Add		0.81	
		For Insulated Cells, Add		3.64	
		For Up To 100, Add		3.31	
		For >100 To 500, Add		2.29	
		For >500 To 1,500, Add		0.42	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	.....	20.04	1.46
		For Site Installed Insulation Between Ribs, Add		5.15	
		For Painted, Deduct		-0.91	
		For Perforated Or Slotted, Add		0.91	
		For Insulated Cells, Add		4.10	
		For Up To 100, Add		3.65	
		For >100 To 500, Add		2.55	
		For >500 To 1,500, Add		0.46	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	.....	21.66	1.57
		For Site Installed Insulation Between Ribs, Add		5.56	
		For Painted, Deduct		-0.99	
		For Perforated Or Slotted, Add		0.99	
		For Insulated Cells, Add		4.43	
		For Up To 100, Add		3.93	
		For >100 To 500, Add		2.75	
		For >500 To 1,500, Add		0.49	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	.....	23.18	1.19
		For Site Installed Insulation Between Ribs, Add		5.91	
		For Painted, Deduct		-1.09	
		For Perforated Or Slotted, Add		1.09	
		For Insulated Cells, Add		4.88	
		For Up To 100, Add		3.65	
		For >100 To 500, Add		2.76	
		For >500 To 1,500, Add		0.37	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	.....	24.65	1.38
		For Site Installed Insulation Between Ribs, Add		6.29	
		For Painted, Deduct		-1.15	
		For Perforated Or Slotted, Add		1.15	
		For Insulated Cells, Add		5.16	
		For Up To 100, Add		4.01	
		For >100 To 500, Add		2.98	
		For >500 To 1,500, Add		0.43	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	.....	26.06	1.48
		For Site Installed Insulation Between Ribs, Add		6.65	
		For Painted, Deduct		-1.21	
		For Perforated Or Slotted, Add		1.21	
		For Insulated Cells, Add		5.45	
		For Up To 100, Add		4.28	
		For >100 To 500, Add		3.16	
		For >500 To 1,500, Add		0.47	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	.....	27.79	1.59
		For Site Installed Insulation Between Ribs, Add		7.10	
		For Painted, Deduct		-1.29	
		For Perforated Or Slotted, Add		1.29	
		For Insulated Cells, Add		5.81	
		For Up To 100, Add		4.57	
		For >100 To 500, Add		3.38	
		For >500 To 1,500, Add		0.50	

05 31 23 Steel Roof Decking (05 31)

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)**05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck** (05 31 33)

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck		2.92	
		For Painted, Deduct		-0.10	
		For Perforated Or Slotted, Add		0.10	
		For Up To 100, Add		1.16	
		For >100 To 500, Add		0.58	
		For >500 To 1,500, Add		0.24	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	.....	3.11	
		For Painted, Deduct		-0.10	
		For Perforated Or Slotted, Add		0.10	
		For Up To 100, Add		1.23	
		For >100 To 500, Add		0.62	
		For >500 To 1,500, Add		0.26	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	.....	3.45	
		For Painted, Deduct		-0.11	
		For Perforated Or Slotted, Add		0.11	
		For Up To 100, Add		1.42	
		For >100 To 500, Add		0.70	
		For >500 To 1,500, Add		0.30	



			Metals	05	05
			Metal Decking	05 30	
			Steel Decking	05 31	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.72	
		For Painted, Deduct	-0.12	
		For Perforated Or Slotted, Add	0.12	
		For Up To 100, Add	1.58	
		For >100 To 500, Add	0.77	
		For >500 To 1,500, Add	0.34	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.52	
		For Painted, Deduct	-0.13	
		For Perforated Or Slotted, Add	0.13	
		For Up To 100, Add	1.27	
		For >100 To 500, Add	0.66	
		For >500 To 1,500, Add	0.26	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.69	
		For Painted, Deduct	-0.13	
		For Perforated Or Slotted, Add	0.13	
		For Up To 100, Add	1.33	
		For >100 To 500, Add	0.69	
		For >500 To 1,500, Add	0.27	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.90	
		For Painted, Deduct	-0.14	
		For Perforated Or Slotted, Add	0.14	
		For Up To 100, Add	1.46	
		For >100 To 500, Add	0.75	
		For >500 To 1,500, Add	0.30	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.15	
		For Painted, Deduct	-0.14	
		For Perforated Or Slotted, Add	0.14	
		For Up To 100, Add	1.62	
		For >100 To 500, Add	0.82	
		For >500 To 1,500, Add	0.34	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.39	
		For Painted, Deduct	-0.15	
		For Perforated Or Slotted, Add	0.15	
		For Up To 100, Add	1.70	
		For >100 To 500, Add	0.86	
		For >500 To 1,500, Add	0.35	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.78	
		For Painted, Deduct	-0.17	
		For Perforated Or Slotted, Add	0.17	
		For Up To 100, Add	1.78	
		For >100 To 500, Add	0.91	
		For >500 To 1,500, Add	0.36	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.48	
		For Painted, Deduct	-0.20	
		For Perforated Or Slotted, Add	0.20	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	1.02	
		For >500 To 1,500, Add	0.39	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	6.07	
		For Painted, Deduct	-0.22	
		For Perforated Or Slotted, Add	0.22	
		For Up To 100, Add	2.20	
		For >100 To 500, Add	1.14	
		For >500 To 1,500, Add	0.44	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.43	
		For Painted, Deduct	-0.15	
		For Perforated Or Slotted, Add	0.15	
		For Up To 100, Add	1.70	
		For >100 To 500, Add	0.86	
		For >500 To 1,500, Add	0.35	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
		For Painted, Deduct	-0.16	
		For Perforated Or Slotted, Add	0.16	
		For Up To 100, Add	1.88	
		For >100 To 500, Add	0.94	
		For >500 To 1,500, Add	0.39	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.30	
		For Painted, Deduct	-0.17	
		For Perforated Or Slotted, Add	0.17	
		For Up To 100, Add	2.28	
		For >100 To 500, Add	1.11	
		For >500 To 1,500, Add	0.49	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.77	
		For Painted, Deduct	-0.17	
		For Perforated Or Slotted, Add	0.17	
		For Up To 100, Add	2.66	
		For >100 To 500, Add	1.27	
		For >500 To 1,500, Add	0.58	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
			For Painted, Deduct	-0.16	
			For Perforated Or Slotted, Add	0.16	
			For Up To 100, Add	1.88	
			For >100 To 500, Add	0.94	
			For >500 To 1,500, Add	0.39	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.11	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	2.06	
			For >100 To 500, Add	1.03	
			For >500 To 1,500, Add	0.43	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.67	
			For Painted, Deduct	-0.18	
			For Perforated Or Slotted, Add	0.18	
			For Up To 100, Add	2.46	
			For >100 To 500, Add	1.20	
			For >500 To 1,500, Add	0.53	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.19	
			For Painted, Deduct	-0.19	
			For Perforated Or Slotted, Add	0.19	
			For Up To 100, Add	2.84	
			For >100 To 500, Add	1.36	
			For >500 To 1,500, Add	0.62	
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.97	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >500 To 1,500, Add	0.40	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.33	
			For Painted, Deduct	-0.18	
			For Perforated Or Slotted, Add	0.18	
			For Up To 100, Add	2.18	
			For >100 To 500, Add	1.08	
			For >500 To 1,500, Add	0.46	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.98	
			For Painted, Deduct	-0.19	
			For Perforated Or Slotted, Add	0.19	
			For Up To 100, Add	2.63	
			For >100 To 500, Add	1.28	
			For >500 To 1,500, Add	0.57	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.67	
			For Painted, Deduct	-0.20	
			For Perforated Or Slotted, Add	0.20	
			For Up To 100, Add	3.09	
			For >100 To 500, Add	1.47	
			For >500 To 1,500, Add	0.67	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck (05 36)		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.11	
			For Site Installed Insulation Between Ribs, Add	2.22	
			For Painted, Deduct	-0.28	
			For Perforated Or Slotted, Add	0.28	
			For Insulated Cells, Add	1.26	
			For Up To 100, Add	3.09	
			For >100 To 500, Add	1.57	
			For >500 To 1,500, Add	0.63	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.67	
			For Site Installed Insulation Between Ribs, Add	2.38	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.32	
			For Up To 100, Add	3.39	
			For >100 To 500, Add	1.71	
			For >500 To 1,500, Add	0.70	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.77	
			For Site Installed Insulation Between Ribs, Add	2.41	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.32	
			For Up To 100, Add	3.49	
			For >100 To 500, Add	1.75	
			For >500 To 1,500, Add	0.73	
05 36 00 00-0018	SF		1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.31	
			For Site Installed Insulation Between Ribs, Add	2.57	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.37	
			For Up To 100, Add	3.83	
			For >100 To 500, Add	1.90	
			For >500 To 1,500, Add	0.81	



		Metals	05	05
		Metal Decking	05 30	
		Composite Metal Decking	05 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.98	
			For Site Installed Insulation Between Ribs, Add	2.76	
			For Painted, Deduct	-0.32	
			For Perforated Or Slotted, Add	0.32	
			For Insulated Cells, Add	1.46	
			For Up To 100, Add	4.14	
			For >100 To 500, Add	2.05	
			For >500 To 1,500, Add	0.87	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.09	
			For Site Installed Insulation Between Ribs, Add	2.79	
			For Painted, Deduct	-0.32	
			For Perforated Or Slotted, Add	0.32	
			For Insulated Cells, Add	1.46	
			For Up To 100, Add	4.25	
			For >100 To 500, Add	2.09	
			For >500 To 1,500, Add	0.90	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.63	
			For Site Installed Insulation Between Ribs, Add	2.95	
			For Painted, Deduct	-0.34	
			For Perforated Or Slotted, Add	0.34	
			For Insulated Cells, Add	1.51	
			For Up To 100, Add	4.59	
			For >100 To 500, Add	2.24	
			For >500 To 1,500, Add	0.98	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.38	
			For Site Installed Insulation Between Ribs, Add	2.30	
			For Painted, Deduct	-0.28	
			For Perforated Or Slotted, Add	0.28	
			For Insulated Cells, Add	1.28	
			For Up To 100, Add	3.26	
			For >100 To 500, Add	1.65	
			For >500 To 1,500, Add	0.67	
05 36 00 00-0023	SF		2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.84	
			For Site Installed Insulation Between Ribs, Add	2.43	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.34	
			For Up To 100, Add	3.49	
			For >100 To 500, Add	1.75	
			For >500 To 1,500, Add	0.73	
05 36 00 00-0024	SF		2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.95	
			For Site Installed Insulation Between Ribs, Add	2.47	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.34	
			For Up To 100, Add	3.60	
			For >100 To 500, Add	1.80	
			For >500 To 1,500, Add	0.75	
05 36 00 00-0025	SF		2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.61	
			For Site Installed Insulation Between Ribs, Add	2.65	
			For Painted, Deduct	-0.31	
			For Perforated Or Slotted, Add	0.31	
			For Insulated Cells, Add	1.41	
			For Up To 100, Add	3.97	
			For >100 To 500, Add	1.96	
			For >500 To 1,500, Add	0.84	
05 36 00 00-0026	SF		2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.17	
			For Site Installed Insulation Between Ribs, Add	2.81	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.48	
			For Up To 100, Add	4.26	
			For >100 To 500, Add	2.10	
			For >500 To 1,500, Add	0.90	
05 36 00 00-0027	SF		2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.33	
			For Site Installed Insulation Between Ribs, Add	2.87	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.48	
			For Up To 100, Add	4.42	
			For >100 To 500, Add	2.16	
			For >500 To 1,500, Add	0.94	
05 36 00 00-0028	SF		2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.90	
			For Site Installed Insulation Between Ribs, Add	3.03	
			For Painted, Deduct	-0.34	
			For Perforated Or Slotted, Add	0.34	
			For Insulated Cells, Add	1.54	
			For Up To 100, Add	4.73	
			For >100 To 500, Add	2.30	
			For >500 To 1,500, Add	1.01	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.42	
For Site Installed Insulation Between Ribs, Add	2.31	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.29	
For Up To 100, Add	3.26	
For >100 To 500, Add	1.65	
For >500 To 1,500, Add	0.67	
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.90	
For Site Installed Insulation Between Ribs, Add	2.45	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.34	
For Up To 100, Add	3.55	
For >100 To 500, Add	1.78	
For >500 To 1,500, Add	0.74	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	9.05	
For Site Installed Insulation Between Ribs, Add	2.50	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.34	
For Up To 100, Add	3.70	
For >100 To 500, Add	1.84	
For >500 To 1,500, Add	0.78	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.70	
For Site Installed Insulation Between Ribs, Add	2.68	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.42	
For Up To 100, Add	4.02	
For >100 To 500, Add	1.99	
For >500 To 1,500, Add	0.85	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.32	
For Site Installed Insulation Between Ribs, Add	2.86	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.50	
For Up To 100, Add	4.32	
For >100 To 500, Add	2.13	
For >500 To 1,500, Add	0.91	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.54	
For Site Installed Insulation Between Ribs, Add	2.93	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.50	
For Up To 100, Add	4.54	
For >100 To 500, Add	2.22	
For >500 To 1,500, Add	0.97	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	11.00	
For Site Installed Insulation Between Ribs, Add	3.06	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.54	
For Up To 100, Add	4.83	
For >100 To 500, Add	2.34	
For >500 To 1,500, Add	1.04	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.22
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.10
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.25
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.66
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.85
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.57
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.61
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.99
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	7.90
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.32
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.31
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.79

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)



			Metals	05	05
			Cold-Formed Metal Framing	05 40	
			Structural Metal Stud Framing	05 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0002	SF		2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 6.20		0.96
			For Walls >10' High, Add	1.24	
			For Curved Wall, Add	0.67	
			For Up To 200, Add	1.69	
			For >200 To 500, Add	0.84	
			For 12" On Center, Add	1.13	
			For 24" On Center, Deduct	-1.13	
05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 7.01		0.96
			For Walls >10' High, Add	1.40	
			For Curved Wall, Add	0.71	
			For Up To 200, Add	1.87	
			For >200 To 500, Add	0.94	
			For 12" On Center, Add	1.28	
			For 24" On Center, Deduct	-1.28	
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 7.32		0.96
			For Walls >10' High, Add	1.46	
			For Curved Wall, Add	0.74	
			For Up To 200, Add	1.95	
			For >200 To 500, Add	0.98	
			For 12" On Center, Add	1.34	
			For 24" On Center, Deduct	-1.34	
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 9.58		1.07
			For Walls >10' High, Add	1.92	
			For Curved Wall, Add	0.77	
			For Up To 200, Add	2.43	
			For >200 To 500, Add	1.21	
			For 12" On Center, Add	1.79	
			For 24" On Center, Deduct	-1.79	
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 10.80		1.17
			For Walls >10' High, Add	2.16	
			For Curved Wall, Add	0.80	
			For Up To 200, Add	2.69	
			For >200 To 500, Add	1.35	
			For 12" On Center, Add	2.03	
			For 24" On Center, Deduct	-2.03	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)					
05 41 00 00-0008	SF		2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 6.69		0.96
			For Walls >10' High, Add	1.34	
			For Curved Wall, Add	0.71	
			For Up To 200, Add	1.81	
			For >200 To 500, Add	0.90	
			For 12" On Center, Add	1.22	
			For 24" On Center, Deduct	-1.22	
05 41 00 00-0009	SF		3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 7.87		0.97
			For Walls >10' High, Add	1.57	
			For Curved Wall, Add	0.74	
			For Up To 200, Add	2.07	
			For >200 To 500, Add	1.03	
			For 12" On Center, Add	1.45	
			For 24" On Center, Deduct	-1.45	
05 41 00 00-0010	SF		4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 8.32		0.97
			For Walls >10' High, Add	1.66	
			For Curved Wall, Add	0.77	
			For Up To 200, Add	2.18	
			For >200 To 500, Add	1.09	
			For 12" On Center, Add	1.54	
			For 24" On Center, Deduct	-1.54	
05 41 00 00-0011	SF		6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 10.81		1.17
			For Walls >10' High, Add	2.16	
			For Curved Wall, Add	0.81	
			For Up To 200, Add	2.70	
			For >200 To 500, Add	1.35	
			For 12" On Center, Add	2.03	
			For 24" On Center, Deduct	-2.03	
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 11.99		1.28
			For Walls >10' High, Add	2.40	
			For Curved Wall, Add	0.85	
			For Up To 200, Add	2.96	
			For >200 To 500, Add	1.48	
			For 12" On Center, Add	2.26	
			For 24" On Center, Deduct	-2.26	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)					
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 9.35		1.33
			For Walls >10' High, Add	1.87	
			For Curved Wall, Add	0.89	
			For Up To 200, Add	2.46	
			For >200 To 500, Add	1.23	
			For 12" On Center, Add	1.72	
			For 24" On Center, Deduct	-1.72	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.63	1.35
		For Walls >10' High, Add	1.93	
		For Curved Wall, Add	0.91	
		For Up To 200, Add	2.53	
		For >200 To 500, Add	1.27	
		For 12" On Center, Add	1.78	
		For 24" On Center, Deduct	-1.78	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.38	1.43
		For Walls >10' High, Add	2.48	
		For Curved Wall, Add	0.95	
		For Up To 200, Add	3.11	
		For >200 To 500, Add	1.55	
		For 12" On Center, Add	2.32	
		For 24" On Center, Deduct	-2.32	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	13.68	1.49
		For Walls >10' High, Add	2.74	
		For Curved Wall, Add	0.99	
		For Up To 200, Add	3.40	
		For >200 To 500, Add	1.70	
		For 12" On Center, Add	2.57	
		For 24" On Center, Deduct	-2.57	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001		Steel Joists, 20 Gauge (05 42 13)		
05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	13.78	2.29
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	14.77	2.88
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	15.96	3.15
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	18.05	3.36
05 42 13 00-0006		Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	15.37	2.54
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	16.49	3.20
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	17.90	3.50
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	18.33	3.73
05 42 13 00-0011		Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	19.55	3.54
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	20.65	3.73
05 42 13 00-0014		Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	23.65	3.73
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	25.79	3.93
05 42 13 00-0017		Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	28.42	4.10
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	31.22	4.32
05 42 13 00-0020		Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	33.26	4.51
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	36.71	4.75
05 42 13 00-0023		Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	38.14	4.96
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	42.22	5.23

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)**05 43 00 00-0001 Metal Framing Channel** (05 43)

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002		Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.55	2.59
		For Powder Coating, Add	1.26	
		For Galvanizing, Add	1.42	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.96	2.59
		For Powder Coating, Add	1.32	
		For Galvanizing, Add	1.49	



		Metals	05	05
		Cold-Formed Metal Framing	05 40	
		Slotted Channel Framing	05 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel For Powder Coating, Add For Galvanizing, Add	14.58 1.41 1.60	2.59
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel For Powder Coating, Add For Galvanizing, Add	12.74 1.14 1.29	2.59
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel For Powder Coating, Add For Galvanizing, Add	10.96 0.87 0.98	2.59
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	22.67	2.59
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	26.94	2.59
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	25.88	2.59
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	32.48	2.59
05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	36.53	2.59
05 43 00 00-0016 Aluminum Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0017 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel.....	13.41	2.59
05 43 00 00-0018 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel.....	10.15	2.59
05 43 00 00-0019 Metal Framing Channel Fittings (05 43)		
05 43 00 00-0020 Unistrut Closure Strips (05 43 00 00-0019)		
05 43 00 00-0021 LF Steel Raceway Closure Strip For Unistrut Channel	9.03	0.57
05 43 00 00-0022 Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0019) Note: Includes hex bolt.		
05 43 00 00-0023 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022) Note: Includes hex bolt.		
05 43 00 00-0024 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.78	
05 43 00 00-0025 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	9.86	
05 43 00 00-0026 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	10.67	
05 43 00 00-0027 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	15.05	
05 43 00 00-0028 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022) Note: Includes hex bolt.		
05 43 00 00-0029 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.96	
05 43 00 00-0030 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.97	
05 43 00 00-0031 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.81	
05 43 00 00-0032 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	32.94	
05 43 00 00-0033 Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0019) Note: Includes hex bolt.		
05 43 00 00-0034 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033) Note: Includes hex bolt.		
05 43 00 00-0035 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	8.81	
05 43 00 00-0036 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	10.01	
05 43 00 00-0037 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	10.73	
05 43 00 00-0038 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	16.31	
05 43 00 00-0039 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033) Note: Includes hex bolt.		
05 43 00 00-0040 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.51	
05 43 00 00-0041 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.54	
05 43 00 00-0042 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.94	
05 43 00 00-0043 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.13	
05 43 00 00-0044 Beam Clamp For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0045 EA 1-5/8" Channel, P2675 Unistrut Beam Clamp.....	23.51	8.59
05 43 00 00-0046 EA 1-5/8" Channel, P2676 Unistrut Beam Clamp.....	29.41	8.59
05 43 00 00-0047 EA Add For Unistrut Swivel Nut, P2676	3.21	
05 43 00 00-0048 Beam Clamp Clevis Hangers For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0049 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	25.56	8.59
05 43 00 00-0050 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	30.25	8.59

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut.....	3.21	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....	189.67	11.45
05 43 00 00-0053		Bases For Unistrut Channel (05 43 00 00-0019)		
05 43 00 00-0054		Accessories For Unistrut Channel (05 43 00 00-0053)		
05 43 00 00-0055	EA	Trolley Truck Hanger, 1-5/8" Channel P1834.....	62.07	8.59
05 43 00 00-0056	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	15.19	5.73
05 43 00 00-0057	EA	60 Degree Angle, 1-5/8" Channel P2097.....	15.94	5.73
05 43 00 00-0058		Steel Bases For Unistrut Channel (05 43 00 00-0053)		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel.....	116.90	28.63
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel.....	118.48	28.63
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel.....	171.64	28.63
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel.....	140.55	28.63
05 43 00 00-0063		Stainless Steel Bases For Unistrut Channel (05 43 00 00-0053)		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	238.31	28.63
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	436.56	28.63
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel.....	330.18	28.63
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	490.77	28.63
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel.....	428.24	28.63
05 43 00 00-0069		Pipe And Rigid Conduit Clamps (05 43 00 00-0019)		
05 43 00 00-0070		Pipe And Rigid Conduit Clamps (05 43 00 00-0069)		
		Note: Includes stainless steel (316) hardware.		
05 43 00 00-0071	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.50	2.62
05 43 00 00-0072	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.64	2.62
05 43 00 00-0073	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.92	3.17
05 43 00 00-0074	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	9.47	3.44
05 43 00 00-0075	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.77	3.85
05 43 00 00-0076	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.77	3.85
05 43 00 00-0077	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.33	6.46
05 43 00 00-0078	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.61	6.46
05 43 00 00-0079	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	19.99	7.15
05 43 00 00-0080	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	22.07	7.71
05 43 00 00-0081		Pipe And Rigid Conduit Clamps (05 43 00 00-0069)		
		Note: Includes nylon hardware.		
05 43 00 00-0082	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.66	2.62
05 43 00 00-0083	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.99	2.62
05 43 00 00-0084	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.27	3.17
05 43 00 00-0085	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.94	3.44
05 43 00 00-0086	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	17.21	3.85
05 43 00 00-0087	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	17.21	3.85
05 43 00 00-0088	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	25.67	6.46
05 43 00 00-0089	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	26.33	6.46
05 43 00 00-0090	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	27.83	7.15
05 43 00 00-0091	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	30.99	7.71
05 45 Metal Support Assemblies (05 40)				
05 45 13 Mechanical Metal Supports (05 45)				
		See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16 Electrical Metal Supports (05 45)				
		See CSI section 26 05 29 00-0000 for metal supports.		
05 50 Metal Fabrications (05)				
05 51 Metal Stairs (05 50)				
05 51 13 Metal Pan Stairs (05 51)				
		Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.		
		See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001		Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
		Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	937.79	33.27
		For Closed Riser, Add.....	107.97	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,065.89	38.82
		For Closed Riser, Add.....	122.58	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,187.86	45.47
		For Closed Riser, Add.....	136.31	



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Stairs	05 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	80.30	5.55
05 51 19 Metal Grating Stairs (05 51)				
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.				
05 51 19 00-0001		Open Steel Grating Tread Metal Stair And Landing (05 51 19)		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.				
05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair For Closed Riser, Add For Galvanized Steel, Add	458.68 54.75 92.49	44.36
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair For Closed Riser, Add For Galvanized Steel, Add	489.61 58.04 96.90	51.02
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair For Closed Riser, Add For Galvanized Steel, Add	542.59 63.95 105.71	59.88
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape. For Galvanized Steel, Add	85.60 15.86	5.55
05 51 33 Metal Ladders (05 51)				
Note: Includes factory prime.				
05 51 33 13		Vertical Metal Ladders (05 51 33)		
05 51 33 13-0001		Vertical Ladders (05 51 33 13)		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"				
05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed For Galvanized Steel, Add For Aluminum, Add	96.74 13.75 27.50	13.31
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed For Galvanized Steel, Add For Aluminum, Add	110.68 17.23 34.47	13.31
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	230.44 39.94 79.88	22.18
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	258.31 46.91 93.81	22.18
05 51 33 13-0006		Vertical Ladders Options (05 51 33 13)		
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	387.74 76.14 152.29	41.58
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	424.63 83.98 167.96	44.36
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	463.17	13.86
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,248.00	83.17
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,492.96	97.04
05 51 33 13-0012	EA	Safety Chain Attachment	228.21	
05 51 33 13-0013		Welded Steel Ladder Cages (05 51 33 13)		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.				
05 51 33 13-0014		Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,121.78	166.34
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,304.55	171.89
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,450.02	177.44
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,605.43	182.97
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,696.14	188.52
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,844.08	194.07
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,974.62	199.61
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,144.95	205.16
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,310.32	210.71
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,445.83	216.24
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,611.19	221.79
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,771.57	227.34
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,929.48	232.88
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,216.76	238.43
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,302.50	243.98
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,450.45	249.51
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,585.96	255.06
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,711.51	260.61
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,991.33	266.15
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,141.77	271.70
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,282.25	277.23

05 Metals**05 50 Metal Fabrications****05 51 Metal Stairs**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 51 33 13-0036	Welded Stainless Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037	EA 7-1/2' Length, Welded Stainless Steel Ladder Cage.....	5,289.38	166.34
05 51 33 13-0038	EA 8-1/2' Length, Welded Stainless Steel Ladder Cage.....	5,651.31	171.89
05 51 33 13-0039	EA 9-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,254.63	177.44
05 51 33 13-0040	EA 10-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,551.87	182.97
05 51 33 13-0041	EA 11-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,801.83	188.52
05 51 33 13-0042	EA 12-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,133.91	194.07
05 51 33 13-0043	EA 13-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,732.25	199.61
05 51 33 13-0044	EA 14-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,034.46	205.16
05 51 33 13-0045	EA 15-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,346.64	210.71
05 51 33 13-0046	EA 16-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,688.68	216.24
05 51 33 13-0047	EA 17-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,299.44	221.79
05 51 33 13-0048	EA 18-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,604.15	227.34
05 51 33 13-0049	EA 19-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,893.94	232.88
05 51 33 13-0050	EA 20-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,375.31	238.43
05 51 33 13-0051	EA 21-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,916.41	243.98
05 51 33 13-0052	EA 22-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,216.14	249.51
05 51 33 13-0053	EA 23-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,523.34	255.06
05 51 33 13-0054	EA 24-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,810.63	260.61
05 51 33 13-0055	EA 25-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,550.79	266.15
05 51 33 13-0056	EA 26-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,838.08	271.70
05 51 33 13-0057	EA 27-1/2' Length, Welded Stainless Steel Ladder Cage.....	13,132.84	277.23

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001	Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
	Note: Includes factory prime.		
05 51 33 16-0002	RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	332.34	55.44
	For Aluminum, Add	110.72	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001	Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002	EA 4' Vertical Height Aluminum Alternating Tread Ladder	2,883.28	166.34
	For Stainless Steel, Add	279.46	
	For Primed Steel, Deduct	-232.88	
05 51 33 23-0003	EA 5' Vertical Height Aluminum Alternating Tread Ladder	3,315.55	176.32
	For Stainless Steel, Add	340.51	
	For Primed Steel, Deduct	-265.60	
05 51 33 23-0004	EA 6' Vertical Height Aluminum Alternating Tread Ladder	3,701.05	176.32
	For Stainless Steel, Add	404.25	
	For Primed Steel, Deduct	-295.41	
05 51 33 23-0005	EA 7' Vertical Height Aluminum Alternating Tread Ladder	4,205.46	221.57
	For Stainless Steel, Add	467.93	
	For Primed Steel, Deduct	-320.62	
05 51 33 23-0006	EA 8' Vertical Height Aluminum Alternating Tread Ladder	4,632.57	229.42
	For Stainless Steel, Add	541.49	
	For Primed Steel, Deduct	-348.10	
05 51 33 23-0007	EA 9' Vertical Height Aluminum Alternating Tread Ladder	4,973.20	229.42
	For Stainless Steel, Add	610.22	
	For Primed Steel, Deduct	-368.24	
05 51 33 23-0008	EA 10' Vertical Height Aluminum Alternating Tread Ladder	5,457.31	255.91
	For Stainless Steel, Add	690.64	
	For Primed Steel, Deduct	-391.36	
05 51 33 23-0009	EA 11' Vertical Height Aluminum Alternating Tread Ladder	5,838.95	255.91
	For Stainless Steel, Add	772.81	
	For Primed Steel, Deduct	-411.34	
05 51 33 23-0010	EA 12' Vertical Height Aluminum Alternating Tread Ladder	6,135.88	255.91
	For Stainless Steel, Add	845.25	
	For Primed Steel, Deduct	-422.63	

05 52 Metal Railings (05 50)**05 52 13 Pipe and Tube Railings** (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001	Welded Steel Pipe Railing (05 52 13)		
	Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002	One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
	Note: Includes factory primed posts and one rail.		



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Railings	05 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003	LF		1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.78	11.09
			For Schedule 80 Handrail, Add	4.89	
			For 11 Gauge A513 Steel Tubing, Deduct	-3.65	
			For 12 Gauge A513 Steel Tubing, Deduct	-4.15	
			For 14 Gauge A513 Steel Tubing, Deduct	-5.48	
			For 16 Gauge A513 Steel Tubing, Deduct	-6.47	
			For ADA Handrail P-Loop End Return, Add Per Each	80.50	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	14.40	
			For Aluminum, Satin Finish, Add	6.97	
			For Aluminum, Clear Anodized Finish, Add	10.79	
			For Aluminum, Dark Anodized Finish, Add	12.45	
			For Galvanizing, Add	6.64	
			For Wrought Iron, Add	3.88	
			For Solid Steel Rails, Add	7.76	
			For 304 Stainless Steel, Add	53.12	
			For 316 Stainless Steel, Add	59.76	
			For 2" Wheel Guard, Add	1.58	
			For 4" High Kick Plate, Add	2.08	
			For 6" High Kick Plate, Add	3.32	
			For Curved Rail, Add	16.61	
			For Mounting On Stairs, Add	11.63	
			For Mounting On Slopes, Add	3.88	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	13.85	
			For Nylon Coating, Add	2.49	
05 52 13 00-0004	LF		1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.64	11.09
			For Schedule 80 Handrail, Add	7.69	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.28	
			For 12 Gauge A513 Steel Tubing, Deduct	-4.87	
			For 14 Gauge A513 Steel Tubing, Deduct	-6.42	
			For 16 Gauge A513 Steel Tubing, Deduct	-7.59	
			For ADA Handrail P-Loop End Return, Add Per Each	96.10	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.12	
			For Aluminum, Satin Finish, Add	8.17	
			For Aluminum, Clear Anodized Finish, Add	12.65	
			For Aluminum, Dark Anodized Finish, Add	14.60	
			For Galvanizing, Add	7.78	
			For Wrought Iron, Add	4.16	
			For Solid Steel Rails, Add	8.33	
			For 304 Stainless Steel, Add	62.27	
			For 316 Stainless Steel, Add	70.06	
			For 2" Wheel Guard, Add	1.85	
			For 4" High Kick Plate, Add	2.43	
			For 6" High Kick Plate, Add	3.89	
			For Curved Rail, Add	18.33	
			For Mounting On Stairs, Add	12.49	
			For Mounting On Slopes, Add	4.16	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	15.28	
			For Nylon Coating, Add	2.92	
05 52 13 00-0005	LF		1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.50	11.09
			For Schedule 80 Handrail, Add	7.69	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.91	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.58	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.37	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.70	
			For ADA Handrail P-Loop End Return, Add Per Each	108.48	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.83	
			For Aluminum, Satin Finish, Add	9.37	
			For Aluminum, Clear Anodized Finish, Add	14.51	
			For Aluminum, Dark Anodized Finish, Add	16.74	
			For Galvanizing, Add	8.93	
			For Wrought Iron, Add	4.45	
			For Solid Steel Rails, Add	8.90	
			For 304 Stainless Steel, Add	71.42	
			For 316 Stainless Steel, Add	80.35	
			For 2" Wheel Guard, Add	2.12	
			For 4" High Kick Plate, Add	2.79	
			For 6" High Kick Plate, Add	4.46	
			For Curved Rail, Add	20.05	
			For Mounting On Stairs, Add	13.35	
			For Mounting On Slopes, Add	4.45	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	16.71	
			For Nylon Coating, Add	3.35	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF		2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	49.46	11.09
			For Schedule 80 Handrail, Add	8.82	
			For 11 Gauge A513 Steel Tubing, Deduct	-6.00	
			For 12 Gauge A513 Steel Tubing, Deduct	-6.82	
			For 14 Gauge A513 Steel Tubing, Deduct	-9.00	
			For 16 Gauge A513 Steel Tubing, Deduct	-10.64	
			For ADA Handrail P-Loop End Return, Add Per Each	131.39	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	20.81	
			For Aluminum, Satin Finish, Add	11.46	
			For Aluminum, Clear Anodized Finish, Add	17.73	
			For Aluminum, Dark Anodized Finish, Add	20.46	
			For Galvanizing, Add	10.91	
			For Wrought Iron, Add	4.95	
			For Solid Steel Rails, Add	9.89	
			For 304 Stainless Steel, Add	87.30	
			For 316 Stainless Steel, Add	98.21	
			For 2" Wheel Guard, Add	2.59	
			For 4" High Kick Plate, Add	3.41	
			For 6" High Kick Plate, Add	5.46	
			For Curved Rail, Add	23.02	
			For Mounting On Stairs, Add	14.84	
			For Mounting On Slopes, Add	4.95	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	19.19	
			For Nylon Coating, Add	4.09	
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	55.40	11.09
			For Schedule 80 Handrail, Add	9.97	
			For 11 Gauge A513 Steel Tubing, Deduct	-7.31	
			For 12 Gauge A513 Steel Tubing, Deduct	-8.31	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.96	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.96	
			For ADA Handrail P-Loop End Return, Add Per Each	180.41	
			For Additional Off Set Handrail And Brackets, ADA Attachment, Add	24.37	
			For Aluminum, Satin Finish, Add	13.95	
			For Aluminum, Clear Anodized Finish, Add	21.59	
			For Aluminum, Dark Anodized Finish, Add	24.92	
			For Galvanizing, Add	13.29	
			For Wrought Iron, Add	5.54	
			For Solid Steel Rails, Add	11.08	
			For 304 Stainless Steel, Add	106.30	
			For 316 Stainless Steel, Add	119.59	
			For 2" Wheel Guard, Add	3.16	
			For 4" High Kick Plate, Add	4.15	
			For 6" High Kick Plate, Add	6.64	
			For Curved Rail, Add	26.59	
			For Mounting On Stairs, Add	16.62	
			For Mounting On Slopes, Add	5.54	
			For Post Base Flange With Screws, Add Per Post	19.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83	
			For Custom Design Or Shapes (Square Tops, etc.), Add	22.16	
			For Nylon Coating, Add	4.98	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Railings	05 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 52 13 00-0009	LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.22		11.09
	For Schedule 80 Handrail, Add	4.89		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 11 Gauge A513 Steel Tubing, Deduct	-6.39		
	For 12 Gauge A513 Steel Tubing, Deduct	-7.26		
	For 14 Gauge A513 Steel Tubing, Deduct	-9.58		
	For 16 Gauge A513 Steel Tubing, Deduct	-11.33		
	For ADA Handrail P-Loop End Return, Add Per Each	80.50		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	14.40		
	For Aluminum, Satin Finish, Add	12.20		
	For Aluminum, Clear Anodized Finish, Add	18.88		
	For Aluminum, Dark Anodized Finish, Add	21.78		
	For Galvanizing, Add	11.62		
	For Wrought Iron, Add	5.12		
	For Solid Steel Rails, Add	10.24		
	For 304 Stainless Steel, Add	92.93		
	For 316 Stainless Steel, Add	104.54		
	For 2" Wheel Guard, Add	2.76		
	For 4" High Kick Plate, Add	3.63		
	For 6" High Kick Plate, Add	5.81		
	For Curved Rail, Add	24.08		
	For Mounting On Stairs, Add	15.37		
	For Mounting On Slopes, Add	5.12		
	For Post Base Flange With Screws, Add Per Post	19.72		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
	For Custom Design Or Shapes (Square Tops, etc.), Add	20.07		
	For Nylon Coating, Add	4.36		
05 52 13 00-0010	LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.23		11.09
	For Schedule 80 Handrail, Add	7.69		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
	For 11 Gauge A513 Steel Tubing, Deduct	-7.49		
	For 12 Gauge A513 Steel Tubing, Deduct	-8.51		
	For 14 Gauge A513 Steel Tubing, Deduct	-11.24		
	For 16 Gauge A513 Steel Tubing, Deduct	-13.28		
	For ADA Handrail P-Loop End Return, Add Per Each	96.10		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.12		
	For Aluminum, Satin Finish, Add	14.30		
	For Aluminum, Clear Anodized Finish, Add	22.13		
	For Aluminum, Dark Anodized Finish, Add	25.54		
	For Galvanizing, Add	13.62		
	For Wrought Iron, Add	5.62		
	For Solid Steel Rails, Add	11.25		
	For 304 Stainless Steel, Add	108.96		
	For 316 Stainless Steel, Add	122.58		
	For 2" Wheel Guard, Add	3.23		
	For 4" High Kick Plate, Add	4.26		
	For 6" High Kick Plate, Add	6.81		
	For Curved Rail, Add	27.08		
	For Mounting On Stairs, Add	16.87		
	For Mounting On Slopes, Add	5.62		
	For Post Base Flange With Screws, Add Per Post	19.72		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
	For Custom Design Or Shapes (Square Tops, etc.), Add	22.57		
	For Nylon Coating, Add	5.11		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.23	11.09	
		For Schedule 80 Handrail, Add	7.69		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
		For 11 Gauge A513 Steel Tubing, Deduct	-8.59		
		For 12 Gauge A513 Steel Tubing, Deduct	-9.76		
		For 14 Gauge A513 Steel Tubing, Deduct	-12.89		
		For 16 Gauge A513 Steel Tubing, Deduct	-15.23		
		For ADA Handrail P-Loop End Return, Add Per Each	108.48		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.83		
		For Aluminum, Satin Finish, Add	16.40		
		For Aluminum, Clear Anodized Finish, Add	25.38		
		For Aluminum, Dark Anodized Finish, Add	29.29		
		For Galvanizing, Add	15.62		
		For Wrought Iron, Add	6.12		
		For Solid Steel Rails, Add	12.25		
		For 304 Stainless Steel, Add	124.96		
		For 316 Stainless Steel, Add	140.58		
		For 2" Wheel Guard, Add	3.71		
		For 4" High Kick Plate, Add	4.88		
		For 6" High Kick Plate, Add	7.81		
		For Curved Rail, Add	30.08		
		For Mounting On Stairs, Add	18.37		
		For Mounting On Slopes, Add	6.12		
		For Post Base Flange With Screws, Add Per Post	19.72		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
		For Custom Design Or Shapes (Square Tops, etc.), Add	25.07		
		For Nylon Coating, Add	5.86		
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	69.91	11.09	
		For Schedule 80 Handrail, Add	8.82		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44		
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99		
		For 11 Gauge A513 Steel Tubing, Deduct	-10.50		
		For 12 Gauge A513 Steel Tubing, Deduct	-11.93		
		For 14 Gauge A513 Steel Tubing, Deduct	-15.75		
		For 16 Gauge A513 Steel Tubing, Deduct	-18.61		
		For ADA Handrail P-Loop End Return, Add Per Each	131.39		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	20.81		
		For Aluminum, Satin Finish, Add	20.05		
		For Aluminum, Clear Anodized Finish, Add	31.02		
		For Aluminum, Dark Anodized Finish, Add	35.80		
		For Galvanizing, Add	19.09		
		For Wrought Iron, Add	6.99		
		For Solid Steel Rails, Add	13.98		
		For 304 Stainless Steel, Add	152.74		
		For 316 Stainless Steel, Add	171.83		
		For 2" Wheel Guard, Add	4.53		
		For 4" High Kick Plate, Add	5.97		
		For 6" High Kick Plate, Add	9.55		
		For Curved Rail, Add	35.29		
		For Mounting On Stairs, Add	20.97		
		For Mounting On Slopes, Add	6.99		
		For Post Base Flange With Screws, Add Per Post	19.72		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
		For Custom Design Or Shapes (Square Tops, etc.), Add	29.41		
		For Nylon Coating, Add	7.16		



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Railings	05 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 52 13 00-0013	LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	80.31		11.09
	For Schedule 80 Handrail, Add	9.97		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44		
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99		
	For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	136.63		
	For 11 Gauge A513 Steel Tubing, Deduct	-12.79		
	For 12 Gauge A513 Steel Tubing, Deduct	-14.53		
	For 14 Gauge A513 Steel Tubing, Deduct	-19.18		
	For 16 Gauge A513 Steel Tubing, Deduct	-22.67		
	For ADA Handrail P-Loop End Return, Add Per Each	180.41		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	24.37		
	For Aluminum, Satin Finish, Add	24.41		
	For Aluminum, Clear Anodized Finish, Add	37.78		
	For Aluminum, Dark Anodized Finish, Add	43.60		
	For Galvanizing, Add	23.25		
	For Wrought Iron, Add	8.03		
	For Solid Steel Rails, Add	16.06		
	For 304 Stainless Steel, Add	186.02		
	For 316 Stainless Steel, Add	209.27		
	For 2" Wheel Guard, Add	5.52		
	For 4" High Kick Plate, Add	7.27		
	For 6" High Kick Plate, Add	11.63		
	For Curved Rail, Add	41.53		
	For Mounting On Stairs, Add	24.09		
	For Mounting On Slopes, Add	8.03		
	For Post Base Flange With Screws, Add Per Post	19.72		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.83		
	For Custom Design Or Shapes (Square Tops, etc.), Add	34.61		
	For Nylon Coating, Add	8.72		
05 52 13 00-0014	Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)			
	Note: Includes factory primed posts and three rails.			
05 52 13 00-0015	LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	79.98		13.31
	For Schedule 80 Handrail, Add	7.10		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 11 Gauge A513 Steel Tubing, Deduct	-11.74		
	For 12 Gauge A513 Steel Tubing, Deduct	-13.34		
	For 14 Gauge A513 Steel Tubing, Deduct	-17.61		
	For 16 Gauge A513 Steel Tubing, Deduct	-20.81		
	For ADA Handrail P-Loop End Return, Add Per Each	80.50		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	15.28		
	For Aluminum, Satin Finish, Add	22.41		
	For Aluminum, Clear Anodized Finish, Add	34.68		
	For Aluminum, Dark Anodized Finish, Add	40.02		
	For Galvanizing, Add	21.34		
	For Wrought Iron, Add	8.00		
	For Solid Steel Rails, Add	16.00		
	For 304 Stainless Steel, Add	170.75		
	For 316 Stainless Steel, Add	192.10		
	For 2" Wheel Guard, Add	5.07		
	For 4" High Kick Plate, Add	6.67		
	For 6" High Kick Plate, Add	10.67		
	For Curved Rail, Add	40.00		
	For Mounting On Stairs, Add	23.99		
	For Mounting On Slopes, Add	8.00		
	For Post Base Flange With Screws, Add Per Post	20.16		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.49		
	For Custom Design Or Shapes (Square Tops, etc.), Add	33.34		
	For Nylon Coating, Add	8.00		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	89.17		13.31
		For Schedule 80 Handrail, Add	10.83		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
		For 11 Gauge A513 Steel Tubing, Deduct	-13.76		
		For 12 Gauge A513 Steel Tubing, Deduct	-15.64		
		For 14 Gauge A513 Steel Tubing, Deduct	-20.64		
		For 16 Gauge A513 Steel Tubing, Deduct	-24.39		
		For ADA Handrail P-Loop End Return, Add Per Each	96.10		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.00		
		For Aluminum, Satin Finish, Add	26.27		
		For Aluminum, Clear Anodized Finish, Add	40.66		
		For Aluminum, Dark Anodized Finish, Add	46.91		
		For Galvanizing, Add	25.02		
		For Wrought Iron, Add	8.92		
		For Solid Steel Rails, Add	17.83		
		For 304 Stainless Steel, Add	200.16		
		For 316 Stainless Steel, Add	225.18		
		For 2" Wheel Guard, Add	5.94		
		For 4" High Kick Plate, Add	7.82		
		For 6" High Kick Plate, Add	12.51		
		For Curved Rail, Add	45.52		
		For Mounting On Stairs, Add	26.75		
		For Mounting On Slopes, Add	8.92		
		For Post Base Flange With Screws, Add Per Post	20.16		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.49		
		For Custom Design Or Shapes (Square Tops, etc.), Add	37.93		
		For Nylon Coating, Add	9.38		
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	98.36		13.31
		For Schedule 80 Handrail, Add	10.83		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
		For 11 Gauge A513 Steel Tubing, Deduct	-15.78		
		For 12 Gauge A513 Steel Tubing, Deduct	-17.94		
		For 14 Gauge A513 Steel Tubing, Deduct	-23.67		
		For 16 Gauge A513 Steel Tubing, Deduct	-27.98		
		For ADA Handrail P-Loop End Return, Add Per Each	108.48		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	18.71		
		For Aluminum, Satin Finish, Add	30.13		
		For Aluminum, Clear Anodized Finish, Add	46.63		
		For Aluminum, Dark Anodized Finish, Add	53.81		
		For Galvanizing, Add	28.70		
		For Wrought Iron, Add	9.84		
		For Solid Steel Rails, Add	19.67		
		For 304 Stainless Steel, Add	229.57		
		For 316 Stainless Steel, Add	258.26		
		For 2" Wheel Guard, Add	6.82		
		For 4" High Kick Plate, Add	8.97		
		For 6" High Kick Plate, Add	14.35		
		For Curved Rail, Add	51.03		
		For Mounting On Stairs, Add	29.51		
		For Mounting On Slopes, Add	9.84		
		For Post Base Flange With Screws, Add Per Post	20.16		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.49		
		For Custom Design Or Shapes (Square Tops, etc.), Add	42.53		
		For Nylon Coating, Add	10.76		



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Railings	05 52	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 52 13 00-0018	LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	114.33	13.31
	For Schedule 80 Handrail, Add	12.34	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99	
	For 11 Gauge A513 Steel Tubing, Deduct	-19.30	
	For 12 Gauge A513 Steel Tubing, Deduct	-21.93	
	For 14 Gauge A513 Steel Tubing, Deduct	-28.94	
	For 16 Gauge A513 Steel Tubing, Deduct	-34.21	
	For ADA Handrail P-Loop End Return, Add Per Each	131.39	
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	21.69	
	For Aluminum, Satin Finish, Add	36.84	
	For Aluminum, Clear Anodized Finish, Add	57.01	
	For Aluminum, Dark Anodized Finish, Add	65.78	
	For Galvanizing, Add	35.08	
	For Wrought Iron, Add	11.43	
	For Solid Steel Rails, Add	22.87	
	For 304 Stainless Steel, Add	280.67	
	For 316 Stainless Steel, Add	315.76	
	For 2" Wheel Guard, Add	8.33	
	For 4" High Kick Plate, Add	10.96	
	For 6" High Kick Plate, Add	17.54	
	For Curved Rail, Add	60.61	
	For Mounting On Stairs, Add	34.30	
	For Mounting On Slopes, Add	11.43	
	For Post Base Flange With Screws, Add Per Post	20.16	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.49	
	For Custom Design Or Shapes (Square Tops, etc.), Add	50.51	
	For Nylon Coating, Add	13.16	
05 52 13 00-0019	LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	133.35	13.31
	For Schedule 80 Handrail, Add	13.87	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99	
	For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	136.63	
	For 11 Gauge A513 Steel Tubing, Deduct	-23.48	
	For 12 Gauge A513 Steel Tubing, Deduct	-26.68	
	For 14 Gauge A513 Steel Tubing, Deduct	-35.22	
	For 16 Gauge A513 Steel Tubing, Deduct	-41.62	
	For ADA Handrail P-Loop End Return, Add Per Each	180.41	
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	25.25	
	For Aluminum, Satin Finish, Add	44.83	
	For Aluminum, Clear Anodized Finish, Add	69.37	
	For Aluminum, Dark Anodized Finish, Add	80.05	
	For Galvanizing, Add	42.69	
	For Wrought Iron, Add	13.34	
	For Solid Steel Rails, Add	26.67	
	For 304 Stainless Steel, Add	341.54	
	For 316 Stainless Steel, Add	384.23	
	For 2" Wheel Guard, Add	10.14	
	For 4" High Kick Plate, Add	13.34	
	For 6" High Kick Plate, Add	21.35	
	For Curved Rail, Add	72.02	
	For Mounting On Stairs, Add	40.01	
	For Mounting On Slopes, Add	13.34	
	For Post Base Flange With Screws, Add Per Post	20.16	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.49	
	For Custom Design Or Shapes (Square Tops, etc.), Add	60.02	
	For Nylon Coating, Add	16.01	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
Note: Includes factory primed posts and four rails.

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	96.54	15.52	
		For Schedule 80 Handrail, Add	9.58		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 11 Gauge A513 Steel Tubing, Deduct	-14.41		
		For 12 Gauge A513 Steel Tubing, Deduct	-16.37		
		For 14 Gauge A513 Steel Tubing, Deduct	-21.61		
		For 16 Gauge A513 Steel Tubing, Deduct	-25.54		
		For ADA Handrail P-Loop End Return, Add Per Each	80.50		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	16.17		
		For Aluminum, Satin Finish, Add	27.51		
		For Aluminum, Clear Anodized Finish, Add	42.57		
		For Aluminum, Dark Anodized Finish, Add	49.12		
		For Galvanizing, Add	26.20		
		For Wrought Iron, Add	9.65		
		For Solid Steel Rails, Add	19.31		
		For 304 Stainless Steel, Add	209.57		
		For 316 Stainless Steel, Add	235.76		
		For 2" Wheel Guard, Add	6.22		
		For 4" High Kick Plate, Add	8.19		
		For 6" High Kick Plate, Add	13.10		
		For Curved Rail, Add	48.61		
		For Mounting On Stairs, Add	28.96		
		For Mounting On Slopes, Add	9.65		
		For Post Base Flange With Screws, Add Per Post	20.61		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.16		
		For Custom Design Or Shapes (Square Tops, etc.), Add	40.51		
		For Nylon Coating, Add	9.82		
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	104.70	15.52	
		For Schedule 80 Handrail, Add	14.25		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
		For 11 Gauge A513 Steel Tubing, Deduct	-16.20		
		For 12 Gauge A513 Steel Tubing, Deduct	-18.41		
		For 14 Gauge A513 Steel Tubing, Deduct	-24.30		
		For 16 Gauge A513 Steel Tubing, Deduct	-28.72		
		For ADA Handrail P-Loop End Return, Add Per Each	96.10		
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	17.89		
		For Aluminum, Satin Finish, Add	30.93		
		For Aluminum, Clear Anodized Finish, Add	47.87		
		For Aluminum, Dark Anodized Finish, Add	55.24		
		For Galvanizing, Add	29.46		
		For Wrought Iron, Add	10.47		
		For Solid Steel Rails, Add	20.94		
		For 304 Stainless Steel, Add	235.68		
		For 316 Stainless Steel, Add	265.14		
		For 2" Wheel Guard, Add	7.00		
		For 4" High Kick Plate, Add	9.21		
		For 6" High Kick Plate, Add	14.73		
		For Curved Rail, Add	53.51		
		For Mounting On Stairs, Add	31.41		
		For Mounting On Slopes, Add	10.47		
		For Post Base Flange With Screws, Add Per Post	20.61		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.16		
		For Custom Design Or Shapes (Square Tops, etc.), Add	44.59		
		For Nylon Coating, Add	11.05		



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Railings	05 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 52 13 00-0023	LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	112.86		15.52
	For Schedule 80 Handrail, Add	14.25		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
	For 11 Gauge A513 Steel Tubing, Deduct	-18.00		
	For 12 Gauge A513 Steel Tubing, Deduct	-20.45		
	For 14 Gauge A513 Steel Tubing, Deduct	-27.00		
	For 16 Gauge A513 Steel Tubing, Deduct	-31.91		
	For ADA Handrail P-Loop End Return, Add Per Each	108.48		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	19.60		
	For Aluminum, Satin Finish, Add	34.36		
	For Aluminum, Clear Anodized Finish, Add	53.18		
	For Aluminum, Dark Anodized Finish, Add	61.36		
	For Galvanizing, Add	32.72		
	For Wrought Iron, Add	11.29		
	For Solid Steel Rails, Add	22.57		
	For 304 Stainless Steel, Add	261.79		
	For 316 Stainless Steel, Add	294.52		
	For 2" Wheel Guard, Add	7.77		
	For 4" High Kick Plate, Add	10.23		
	For 6" High Kick Plate, Add	16.36		
	For Curved Rail, Add	58.40		
	For Mounting On Stairs, Add	33.86		
	For Mounting On Slopes, Add	11.29		
	For Post Base Flange With Screws, Add Per Post	20.61		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.16		
	For Custom Design Or Shapes (Square Tops, etc.), Add	48.67		
	For Nylon Coating, Add	12.27		
05 52 13 00-0024	LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	131.03		15.52
	For Schedule 80 Handrail, Add	16.13		
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09		
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56		
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01		
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43		
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91		
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38		
	For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94		
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50		
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04		
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77		
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20		
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23		
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85		
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44		
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99		
	For 11 Gauge A513 Steel Tubing, Deduct	-22.00		
	For 12 Gauge A513 Steel Tubing, Deduct	-25.00		
	For 14 Gauge A513 Steel Tubing, Deduct	-32.99		
	For 16 Gauge A513 Steel Tubing, Deduct	-38.99		
	For ADA Handrail P-Loop End Return, Add Per Each	131.39		
	For Additional Off Set Handrail And Brackets, ADA Attachment, Add	22.58		
	For Aluminum, Satin Finish, Add	41.99		
	For Aluminum, Clear Anodized Finish, Add	64.99		
	For Aluminum, Dark Anodized Finish, Add	74.99		
	For Galvanizing, Add	39.99		
	For Wrought Iron, Add	13.10		
	For Solid Steel Rails, Add	26.21		
	For 304 Stainless Steel, Add	319.94		
	For 316 Stainless Steel, Add	359.93		
	For 2" Wheel Guard, Add	9.50		
	For 4" High Kick Plate, Add	12.50		
	For 6" High Kick Plate, Add	20.00		
	For Curved Rail, Add	69.30		
	For Mounting On Stairs, Add	39.31		
	For Mounting On Slopes, Add	13.10		
	For Post Base Flange With Screws, Add Per Post	20.61		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.16		
	For Custom Design Or Shapes (Square Tops, etc.), Add	57.75		
	For Nylon Coating, Add	15.00		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	152.33	15.52
		For Schedule 80 Handrail, Add	18.04	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	59.09	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.56	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	28.01	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	70.43	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.91	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.38	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.94	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	68.50	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	44.04	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.77	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	68.20	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	106.23	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.85	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	134.44	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.99	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	136.63	
		For 11 Gauge A513 Steel Tubing, Deduct	-26.68	
		For 12 Gauge A513 Steel Tubing, Deduct	-30.32	
		For 14 Gauge A513 Steel Tubing, Deduct	-40.02	
		For 16 Gauge A513 Steel Tubing, Deduct	-47.30	
		For ADA Handrail P-Loop End Return, Add Per Each	180.41	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	26.14	
		For Aluminum, Satin Finish, Add	50.94	
		For Aluminum, Clear Anodized Finish, Add	78.83	
		For Aluminum, Dark Anodized Finish, Add	90.96	
		For Galvanizing, Add	48.51	
		For Wrought Iron, Add	15.23	
		For Solid Steel Rails, Add	30.47	
		For 304 Stainless Steel, Add	388.10	
		For 316 Stainless Steel, Add	436.61	
		For 2" Wheel Guard, Add	11.52	
		For 4" High Kick Plate, Add	15.16	
		For 6" High Kick Plate, Add	24.26	
		For Curved Rail, Add	82.08	
		For Mounting On Stairs, Add	45.70	
		For Mounting On Slopes, Add	15.23	
		For Post Base Flange With Screws, Add Per Post	20.61	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.16	
		For Custom Design Or Shapes (Square Tops, etc.), Add	68.40	
		For Nylon Coating, Add	18.19	
05 52 13 00-0026		Railing Infill Panels (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027		Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026) Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.81	
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.79	
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.65	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	29.85	
05 52 13 00-0032		Perforated Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.51	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	16.03	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	17.16	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	34.45	
05 52 13 00-0037		Expanded Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	7.00	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	14.30	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	18.77	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	27.99	
05 52 13 00-0042		Railing Accessories (05 52 13)		
05 52 13 00-0043	EA	Anti-Skateboard Device Attached To Stair Railing.....	48.36	21.64
05 52 13 00-0044		Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13) Note: Includes factory primed, fasteners and field touch-up of welds.		



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Railings	05 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0045	LF		1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.86	6.65
			For Schedule 80 Handrail, Add	2.64	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.89	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.56	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.34	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.67	
			For Stainless Steel, Add	44.46	
			For Aluminum, Satin Finish, Add	9.34	
			For Curved Rail, Add	11.66	
			For Aluminum, Clear Anodized Finish, Add	14.45	
			For Aluminum, Dark Anodized Finish, Add	16.67	
			For Galvanized Finish, Add	6.67	
05 52 13 00-0046	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.58	6.65
			For Schedule 80 Handrail, Add	3.10	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.05	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.74	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.57	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.95	
			For Stainless Steel, Add	45.90	
			For Aluminum, Satin Finish, Add	9.64	
			For Curved Rail, Add	11.87	
			For Aluminum, Clear Anodized Finish, Add	14.92	
			For Aluminum, Dark Anodized Finish, Add	17.21	
			For Galvanized Finish, Add	6.89	
05 52 13 00-0047	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.30	6.65
			For Schedule 80 Handrail, Add	9.33	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.21	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.92	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.81	
			For 16 Gauge A513 Steel Tubing, Deduct	-9.23	
			For Stainless Steel, Add	47.34	
			For Aluminum, Satin Finish, Add	9.94	
			For Curved Rail, Add	12.09	
			For Aluminum, Clear Anodized Finish, Add	15.39	
			For Aluminum, Dark Anodized Finish, Add	17.75	
			For Galvanized Finish, Add	7.10	
05 52 13 00-0048	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.54	6.65
			For Schedule 80 Handrail, Add	3.95	
			For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
			For Stainless Steel, Add	63.82	
			For Aluminum, Satin Finish, Add	13.40	
			For Curved Rail, Add	14.56	
			For Aluminum, Clear Anodized Finish, Add	20.74	
			For Aluminum, Dark Anodized Finish, Add	23.93	
			For Galvanized Finish, Add	9.57	
05 52 13 00-0049	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	55.36	6.65
			For Schedule 80 Handrail, Add	4.34	
			For 11 Gauge A513 Steel Tubing, Deduct	-8.52	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.68	
			For 14 Gauge A513 Steel Tubing, Deduct	-12.78	
			For 16 Gauge A513 Steel Tubing, Deduct	-15.10	
			For Stainless Steel, Add	77.46	
			For Aluminum, Satin Finish, Add	16.27	
			For Curved Rail, Add	16.61	
			For Aluminum, Clear Anodized Finish, Add	25.17	
			For Aluminum, Dark Anodized Finish, Add	29.05	
			For Galvanized Finish, Add	11.62	
05 52 13 00-0050			Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0051	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.29	6.98
			For Schedule 80 Handrail, Add	2.64	
			For 11 Gauge A513 Steel Tubing, Deduct	-6.75	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.67	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.12	
			For 16 Gauge A513 Steel Tubing, Deduct	-11.96	
			For Stainless Steel, Add	61.32	
			For Aluminum, Satin Finish, Add	12.88	
			For Curved Rail, Add	14.19	
			For Aluminum, Clear Anodized Finish, Add	19.93	
			For Aluminum, Dark Anodized Finish, Add	23.00	
			For Galvanized Finish, Add	9.20	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0052	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.29	6.98
		For Schedule 80 Handrail, Add	3.10	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.97	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.92	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.45	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.35	
		For Stainless Steel, Add	63.32	
		For Aluminum, Satin Finish, Add	13.30	
		For Curved Rail, Add	14.49	
		For Aluminum, Clear Anodized Finish, Add	20.58	
		For Aluminum, Dark Anodized Finish, Add	23.75	
		For Galvanized Finish, Add	9.50	
05 52 13 00-0053	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.05	6.98
		For Schedule 80 Handrail, Add	9.33	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.13	
		For 12 Gauge A513 Steel Tubing, Deduct	-8.11	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.70	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.64	
		For Stainless Steel, Add	64.84	
		For Aluminum, Satin Finish, Add	13.62	
		For Curved Rail, Add	14.72	
		For Aluminum, Clear Anodized Finish, Add	21.07	
		For Aluminum, Dark Anodized Finish, Add	24.32	
		For Galvanized Finish, Add	9.73	
05 52 13 00-0054	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	60.56	6.98
		For Schedule 80 Handrail, Add	3.95	
		For 11 Gauge A513 Steel Tubing, Deduct	-9.66	
		For 12 Gauge A513 Steel Tubing, Deduct	-10.98	
		For 14 Gauge A513 Steel Tubing, Deduct	-14.50	
		For 16 Gauge A513 Steel Tubing, Deduct	-17.13	
		For Stainless Steel, Add	87.86	
		For Aluminum, Satin Finish, Add	18.45	
		For Curved Rail, Add	18.17	
		For Aluminum, Clear Anodized Finish, Add	28.55	
		For Aluminum, Dark Anodized Finish, Add	32.95	
		For Galvanized Finish, Add	13.18	
05 52 13 00-0055	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	68.09	6.98
		For Schedule 80 Handrail, Add	4.34	
		For 11 Gauge A513 Steel Tubing, Deduct	-11.32	
		For 12 Gauge A513 Steel Tubing, Deduct	-12.87	
		For 14 Gauge A513 Steel Tubing, Deduct	-16.98	
		For 16 Gauge A513 Steel Tubing, Deduct	-20.07	
		For Stainless Steel, Add	102.92	
		For Aluminum, Satin Finish, Add	21.61	
		For Curved Rail, Add	20.43	
		For Aluminum, Clear Anodized Finish, Add	33.45	
		For Aluminum, Dark Anodized Finish, Add	38.60	
		For Galvanized Finish, Add	15.44	
05 52 13 00-0056		Remove And Reinstall Pipe Railing (05 52 13)		
05 52 13 00-0057	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	24.95	
05 52 13 00-0058	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	33.05	
05 52 13 00-0059	EA	Install New Galvanized Steel Pipe Railing Bracket	68.03	
		For Stainless Steel, Add	69.52	
05 52 13 00-0060		Non-Welded Aluminum Railing (05 52 13)		
05 52 13 00-0061		One Rail, Up To 43" High, Non-Welded Aluminum Pipe Railings (05 52 13 00-0060)		
		Note: Includes one rail.		
05 52 13 00-0062	LF	1-1/2" Diameter, 43" High, Schedule 40, Non-Welded, Clear Anodized Finish, Aluminum Railing Assembly With One Horizontal Line	124.69	17.18
		Note: Includes railing, posts with reinforcement rod, #508 floor cover flanges, #540 side cover flange, #506 mitered elbows, #513 rail elbow and #530 rail end loops. Excludes concrete core drilling or patching.		
05 53		Metal Gratings (05 50)		
05 53 13		Bar Gratings (05 53)		
05 53 13 00-0001		Welded Grating (05 53 13)		
		Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002		Steel, Welded Grating (05 53 13 00-0001)		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		



			Metals	05	05
			Metal Fabrications	05 50	
			Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating	14.27	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.01	
			For 304 Stainless Steel, Add	37.97	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.45	
			For Crossbars At 2" On-Center, Add	1.28	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.93	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating	19.17	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.84	
			For 304 Stainless Steel, Add	53.70	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.89	
			For Crossbars At 2" On-Center, Add	1.81	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating	17.42	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	48.09	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.37	
			For Crossbars At 2" On-Center, Add	1.62	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating	24.07	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.68	
			For 304 Stainless Steel, Add	69.43	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.32	
			For Crossbars At 2" On-Center, Add	2.34	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating	30.71	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.81	
			For 304 Stainless Steel, Add	90.75	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.25	
			For Crossbars At 2" On-Center, Add	3.05	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.34	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating	20.60	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.09	
			For 304 Stainless Steel, Add	58.29	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.30	
			For Crossbars At 2" On-Center, Add	1.96	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.09	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating	28.68	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.46	
			For 304 Stainless Steel, Add	84.23	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.66	
			For Crossbars At 2" On-Center, Add	2.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.29	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating	23.79	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.63	
			For 304 Stainless Steel, Add	68.53	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.23	
			For Crossbars At 2" On-Center, Add	2.31	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.17	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating	34.10	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.29	
			For 304 Stainless Steel, Add	99.86	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.08	
			For Crossbars At 2" On-Center, Add	3.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.78	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating	44.21	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.01	
			For 304 Stainless Steel, Add	132.32	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	12.04	
			For Crossbars At 2" On-Center, Add	4.45	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.03	
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating	39.03	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.13	
			For 304 Stainless Steel, Add	115.69	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	10.52	
			For Crossbars At 2" On-Center, Add	3.89	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.90	
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating.....	43.65	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.91	
			For 304 Stainless Steel, Add	130.52	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	11.87	
			For Crossbars At 2" On-Center, Add	4.39	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.02	
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating	48.55	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.75	
			For 304 Stainless Steel, Add	146.25	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	13.30	
			For Crossbars At 2" On-Center, Add	4.92	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.14	
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating	53.17	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	8.53	
			For 304 Stainless Steel, Add	161.08	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	14.65	
			For Crossbars At 2" On-Center, Add	5.42	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.26	
05 53 13 00-0017			Pressure Locked Grating (05 53 13)		
			Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating (05 53 13 00-0017)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating.....	27.11	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.05	
			For 304 Stainless Steel, Add	46.16	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.20	
			For Crossbars At 2" On-Center, Add	2.66	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.25	
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating.....	33.41	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.08	
			For 304 Stainless Steel, Add	57.94	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.04	
			For Crossbars At 2" On-Center, Add	3.34	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.41	
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating.....	29.80	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.49	
			For 304 Stainless Steel, Add	51.19	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.99	
			For Crossbars At 2" On-Center, Add	2.95	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.32	



Metals			05	05
Metal Fabrications			05 50	
Metal Gratings			05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating.....	40.62	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.26	
			For 304 Stainless Steel, Add	71.43	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	55.36	
			For Bearing Bars At 15/16" On-Center, Add	11.15	
			For Crossbars At 2" On-Center, Add	4.12	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.59	
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	33.41	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.08	
			For 304 Stainless Steel, Add	57.94	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.04	
			For Crossbars At 2" On-Center, Add	3.34	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.41	
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	45.62	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.08	
			For 304 Stainless Steel, Add	80.79	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	12.61	
			For Crossbars At 2" On-Center, Add	4.66	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.71	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	37.19	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.70	
			For 304 Stainless Steel, Add	65.02	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	10.15	
			For Crossbars At 2" On-Center, Add	3.75	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	51.42	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.94	
			For 304 Stainless Steel, Add	90.61	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	70.22	
			For Bearing Bars At 15/16" On-Center, Add	14.14	
			For Crossbars At 2" On-Center, Add	5.23	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.21	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	56.70	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	8.81	
			For 304 Stainless Steel, Add	100.49	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	15.68	
			For Crossbars At 2" On-Center, Add	5.80	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	61.01	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	9.52	
			For 304 Stainless Steel, Add	108.56	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	16.94	
			For Crossbars At 2" On-Center, Add	6.27	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.45	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	65.14	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	10.19	
			For 304 Stainless Steel, Add	116.28	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	18.15	
			For Crossbars At 2" On-Center, Add	6.71	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.56	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	68.71	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	10.78	
			For 304 Stainless Steel, Add	122.96	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	19.19	
			For Crossbars At 2" On-Center, Add	7.10	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.65	
05 53 13 00-0031			Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating	17.22	1.22
			For Bearing Bars At 15/16" On-Center, Add	4.32	
			For Crossbars At 2" On-Center, Add	1.60	
			For Set In Place Without Bolting, Deduct	-2.00	
			For Powder Coating, Add	2.22	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating	23.28	1.22
			For Bearing Bars At 15/16" On-Center, Add	6.09	
			For Crossbars At 2" On-Center, Add	2.25	
			For Set In Place Without Bolting, Deduct	-2.16	
			For Powder Coating, Add	3.13	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating	21.98	1.22
			For Bearing Bars At 15/16" On-Center, Add	5.71	
			For Crossbars At 2" On-Center, Add	2.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.12	
			For Powder Coating, Add	2.93	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating	29.82	1.22
			For Bearing Bars At 7/16" On-Center, Add	39.70	
			For Bearing Bars At 15/16" On-Center, Add	7.99	
			For Crossbars At 2" On-Center, Add	2.96	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.32	
			For Powder Coating, Add	4.11	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.43	1.22
			For Bearing Bars At 15/16" On-Center, Add	6.71	
			For Crossbars At 2" On-Center, Add	2.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.21	
			For Powder Coating, Add	3.45	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.97	1.22
			For Bearing Bars At 15/16" On-Center, Add	9.21	
			For Crossbars At 2" On-Center, Add	3.41	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.42	
			For Powder Coating, Add	4.73	
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.67	1.22
			For Bearing Bars At 15/16" On-Center, Add	7.66	
			For Crossbars At 2" On-Center, Add	2.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.29	
			For Powder Coating, Add	3.93	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.25	1.22
			For Bearing Bars At 7/16" On-Center, Add	51.92	
			For Bearing Bars At 15/16" On-Center, Add	10.46	
			For Crossbars At 2" On-Center, Add	3.87	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.53	
			For Powder Coating, Add	5.37	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.35	1.22
			For Bearing Bars At 15/16" On-Center, Add	11.65	
			For Crossbars At 2" On-Center, Add	4.31	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.63	
			For Powder Coating, Add	5.99	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating	47.21	1.22
			For Bearing Bars At 15/16" On-Center, Add	13.07	
			For Crossbars At 2" On-Center, Add	4.84	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.75	
			For Powder Coating, Add	6.72	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating	51.03	1.22
			For Bearing Bars At 15/16" On-Center, Add	14.19	
			For Crossbars At 2" On-Center, Add	5.25	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.85	
			For Powder Coating, Add	7.29	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.57	1.22
			For Bearing Bars At 15/16" On-Center, Add	15.51	
			For Crossbars At 2" On-Center, Add	5.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.96	
			For Powder Coating, Add	7.97	

05 53 13 00-0044 Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.



Metals			05	05
Metal Fabrications			05 50	
Metal Gratings			05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	44.47	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.87	
			For 304 Stainless Steel, Add	69.69	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	26.90	
			For Crossbars At 2" On-Center, Add	3.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating	49.65	1.22
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.34	
			For 304 Stainless Steel, Add	78.27	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	30.21	
			For Crossbars At 2" On-Center, Add	3.78	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.82	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating	54.25	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.72	
			For 304 Stainless Steel, Add	84.99	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	32.81	
			For Crossbars At 2" On-Center, Add	4.10	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.28	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating	62.20	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.45	
			For 304 Stainless Steel, Add	98.17	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	37.89	
			For Crossbars At 2" On-Center, Add	4.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.48	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	70.18	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.18	
			For 304 Stainless Steel, Add	111.40	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	43.00	
			For Crossbars At 2" On-Center, Add	5.38	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.68	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating	78.12	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.91	
			For 304 Stainless Steel, Add	124.57	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	48.08	
			For Crossbars At 2" On-Center, Add	6.01	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.88	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating	86.10	1.50
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.65	
			For 304 Stainless Steel, Add	137.80	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	53.19	
			For Crossbars At 2" On-Center, Add	6.65	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-4.08	
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	20.31	1.22
			For Bearing Bars At 15/16" On-Center, Add	11.44	
			For Crossbars At 2" On-Center, Add	1.43	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.08	
			For Powder Coating, Add	2.68	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	26.29	1.22
			For Bearing Bars At 15/16" On-Center, Add	15.26	
			For Crossbars At 2" On-Center, Add	1.91	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.23	
			For Powder Coating, Add	3.58	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	23.00	1.22
			For Bearing Bars At 15/16" On-Center, Add	13.16	
			For Crossbars At 2" On-Center, Add	1.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.15	
			For Powder Coating, Add	3.08	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.31	1.22	
		For Bearing Bars At 15/16" On-Center, Add	17.84		
		For Crossbars At 2" On-Center, Add	2.23		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.33		
		For Powder Coating, Add	4.18		
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	26.18	1.22	
		For Bearing Bars At 15/16" On-Center, Add	15.19		
		For Crossbars At 2" On-Center, Add	1.90		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.23		
		For Powder Coating, Add	3.56		
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.62	1.22	
		For Bearing Bars At 15/16" On-Center, Add	20.60		
		For Crossbars At 2" On-Center, Add	2.57		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.44		
		For Powder Coating, Add	4.83		
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	39.58	1.22	
		For Bearing Bars At 15/16" On-Center, Add	23.77		
		For Crossbars At 2" On-Center, Add	2.97		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.56		
		For Powder Coating, Add	5.57		
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	44.52	1.22	
		For Bearing Bars At 15/16" On-Center, Add	26.93		
		For Crossbars At 2" On-Center, Add	3.37		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.69		
		For Powder Coating, Add	6.31		
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating.....	49.48	1.22	
		For Bearing Bars At 15/16" On-Center, Add	30.11		
		For Crossbars At 2" On-Center, Add	3.76		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.81		
		For Powder Coating, Add	7.06		
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating.....	54.42	1.22	
		For Bearing Bars At 15/16" On-Center, Add	33.27		
		For Crossbars At 2" On-Center, Add	4.16		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.93		
		For Powder Coating, Add	7.80		
05 53 13 00-0064		Riveted Grating (05 53 13)			
		Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.			
05 53 13 00-0065		Steel, Riveted Grating (05 53 13 00-0064)			
		Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.			
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating.....	84.64	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.95		
		For 304 Stainless Steel, Add	70.61		
		For 5/8" Clear Opening, Add	28.36		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.69		
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating.....	99.69	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.67		
		For 304 Stainless Steel, Add	83.54		
		For 5/8" Clear Opening, Add	33.55		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.07		
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating.....	91.57	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.28		
		For 304 Stainless Steel, Add	76.56		
		For 5/8" Clear Opening, Add	30.75		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.86		
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating.....	105.42	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.94		
		For 304 Stainless Steel, Add	88.46		
		For 5/8" Clear Opening, Add	35.53		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.21		
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating.....	97.31	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.55		
		For 304 Stainless Steel, Add	81.49		
		For 5/8" Clear Opening, Add	32.73		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.01		



Metals			05	05
Metal Fabrications			05 50	
Metal Gratings			05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating.....	116.10	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.46		
		For 304 Stainless Steel, Add	97.63		
		For 5/8" Clear Opening, Add	39.21		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.48		
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating.....	103.38	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.82		
		For 304 Stainless Steel, Add	86.24		
		For 5/8" Clear Opening, Add	34.63		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.51		
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating.....	123.47	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.78		
		For 304 Stainless Steel, Add	103.49		
		For 5/8" Clear Opening, Add	41.57		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.02		
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating.....	133.72	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.28		
		For 304 Stainless Steel, Add	112.30		
		For 5/8" Clear Opening, Add	45.10		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.27		
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating.....	156.61	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.37		
		For 304 Stainless Steel, Add	131.96		
		For 5/8" Clear Opening, Add	53.00		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.84		
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating.....	164.59	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.76		
		For 304 Stainless Steel, Add	138.81		
		For 5/8" Clear Opening, Add	55.75		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-6.04		
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating.....	171.69	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	8.10		
		For 304 Stainless Steel, Add	144.91		
		For 5/8" Clear Opening, Add	58.20		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-6.22		
05 53 13 00-0078		Aluminum, Riveted Grating (05 53 13 00-0064)			
		Note: 1" clear opening, bolted in place and in all sizes.			
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating.....	43.24	1.22	
		For 5/8" Clear Opening, Add	14.08		
		For Powder Coating, Add	6.12		
		For Set In Place Without Bolting, Deduct	-2.65		
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating.....	51.31	1.22	
		For 5/8" Clear Opening, Add	16.86		
		For Powder Coating, Add	7.33		
		For Set In Place Without Bolting, Deduct	-2.86		
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating.....	47.55	1.22	
		For 5/8" Clear Opening, Add	15.56		
		For Serrated Wear Surface, Add	0.16		
		For Powder Coating, Add	6.77		
		For Set In Place Without Bolting, Deduct	-2.76		
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating.....	55.44	1.22	
		For 5/8" Clear Opening, Add	18.29		
		For Serrated Wear Surface, Add	0.16		
		For Powder Coating, Add	7.95		
		For Set In Place Without Bolting, Deduct	-2.96		
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating.....	53.32	1.22	
		For 5/8" Clear Opening, Add	17.55		
		For Serrated Wear Surface, Add	0.16		
		For Powder Coating, Add	7.63		
		For Set In Place Without Bolting, Deduct	-2.91		
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating.....	64.27	1.22	
		For 5/8" Clear Opening, Add	21.33		
		For Serrated Wear Surface, Add	0.16		
		For Powder Coating, Add	9.27		
		For Set In Place Without Bolting, Deduct	-3.18		
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating.....	57.27	1.22	
		For 5/8" Clear Opening, Add	18.92		
		For Serrated Wear Surface, Add	0.16		
		For Powder Coating, Add	8.22		
		For Set In Place Without Bolting, Deduct	-3.01		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	71.16	1.22
For 5/8" Clear Opening, Add	23.71	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.31	
For Set In Place Without Bolting, Deduct	-3.35	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	78.45	1.22
For 5/8" Clear Opening, Add	26.22	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.40	
For Set In Place Without Bolting, Deduct	-3.54	
05 53 13 00-0088 SF 2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	93.42	1.22
For 5/8" Clear Opening, Add	31.39	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.65	
For Set In Place Without Bolting, Deduct	-3.91	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	101.91	1.22
For 5/8" Clear Opening, Add	34.32	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.92	
For Set In Place Without Bolting, Deduct	-4.12	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	113.30	1.22
For 5/8" Clear Opening, Add	38.25	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	16.63	
For Set In Place Without Bolting, Deduct	-4.41	

05 53 16 Plank Gratings (05 53)**05 53 16 00-0001 Grate-Lock Steel Plank Grating** (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.66	0.94
For Stair Tread Application, Add	2.15	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	19.91	1.17
For Stair Tread Application, Add	2.34	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating	20.99	1.27
For Stair Tread Application, Add	2.48	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating	22.92	1.38
For Stair Tread Application, Add	2.71	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.73	1.06
For Stair Tread Application, Add	2.59	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	24.17	1.27
For Stair Tread Application, Add	2.80	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	27.91	1.22
For Stair Tread Application, Add	3.16	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.69	1.50
For Stair Tread Application, Add	3.42	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating	31.76	1.89
For Stair Tread Application, Add	3.74	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating	35.05	2.11
For Stair Tread Application, Add	4.14	

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates	18.44	1.45
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates	21.08	1.45
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates	26.40	1.45
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates	35.32	1.55
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates	44.86	1.66

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.77	1.22
For Powder Coating, Add	4.40	
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	36.46	1.45
For Powder Coating, Add	5.05	
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	41.17	1.55
For Powder Coating, Add	5.71	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.23	1.66
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	46.90	1.89
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.78	2.21

05 55 Metal Stair Treads and Nosings (05 50)**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Stair Treads and Nosings	05 55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	74.94 16.20	6.33
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	82.74 18.15	6.33
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	90.51 20.10	6.33
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	98.34 22.05	6.33
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	106.09 23.99	6.33
05 55 13 00-0007			Abrasive Cast Iron Stair Treads (05 55 13) Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	105.18	6.33
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	116.73	6.33
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	128.31	6.33
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	139.86	6.33
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	151.44	6.33
05 55 13 00-0013			Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	38.46	6.33
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	45.53	6.33
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	48.64	6.33
05 55 13 00-0017			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	57.96 4.91 3.68	6.33
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	58.55 4.91 3.68	6.33
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	71.26 4.91 3.68	6.33
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	82.39 4.91 3.68	6.33
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	96.91 4.91 3.68	6.33
05 55 13 00-0023			Stair Landing Treads (05 55 13)		
05 55 13 00-0024			Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads..... <i>For 3/8" Thick, Add</i>	106.09 23.99	6.33
05 55 13 00-0026			Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	151.44	6.33
05 55 13 00-0028			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <i>For Epoxy Sealed For Corrosive Environment, Add</i>	98.19 4.91	6.33
05 55 13 00-0030			Open Cast Iron Stair Tread (05 55 13) Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	643.65 55.05	44.36
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	723.29 61.70	51.02
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread <i>For Closed Riser, Add</i>	797.52 67.95	59.88
05 55 16			Metal Stair Nosings (05 55)		

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001	Abrasive Cast Aluminum Nosings (05 55 16)			
	Note: Includes abrasive diamond pattern surface and anchors.			
05 55 16 00-0002	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	31.04	4.32	
	For 3/8" Thick, Add.....	6.04		
05 55 16 00-0003	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	38.57	4.32	
	For 3/8" Thick, Add.....	7.92		
05 55 16 00-0004	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	55.35	4.32	
	For 3/8" Thick, Add.....	12.11		
05 55 16 00-0005	Abrasive Cast Iron Nosings (05 55 16)			
	Note: Includes abrasive diamond pattern surface and anchors.			
05 55 16 00-0006	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	36.53	4.32	
	For 3/8" Thick, Add.....	7.41		
05 55 16 00-0007	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	45.80	4.32	
	For 3/8" Thick, Add.....	9.73		
05 55 16 00-0008	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	64.13	4.32	
	For 3/8" Thick, Add.....	14.31		
05 55 16 00-0009	Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16)			
	Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.			
05 55 16 00-0010	LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	25.94	4.32	
05 55 16 00-0011	LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.57	4.32	
05 55 16 00-0012	LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.34	4.32	
05 55 16 00-0013	LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	40.95	4.32	
05 55 16 00-0014	LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.92	4.32	
05 55 16 00-0015	LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.01	4.32	
05 55 16 00-0016	LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.07	4.32	
05 55 16 00-0017	LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	31.21	4.32	
05 56 Metal Castings (05 50)				
05 56 00 00-0001	Castings (05 56)			
05 56 00 00-0002	LB Up To 150 Lb., Miscellaneous Castings, Light Section.....	5.12	0.55	
05 56 00 00-0003	LB >150 Lb., Miscellaneous Castings, Heavy Section.....	8.66	0.44	
05 58 Formed Metal Fabrications (05 50)				
05 58 16 Formed Metal Enclosures (05 58)				
05 58 16 00-0001	Drip Pan (05 58 16)			
05 58 16 00-0002	SF Stainless Steel Drip Pan.....	119.30	6.63	
05 58 16 00-0003	SF Galvanized Steel Drip Pan.....	117.83	6.63	
05 58 16 00-0004	SF Aluminum Drip Pan.....	82.58	5.31	
05 58 16 00-0005	SF Plastic Drip Pan.....	20.80	4.65	
05 58 23 Formed Metal Guards (05 58)				
05 58 23 00-0001	Protective Guard Rails (05 58 23)			
	Note: Includes painted finish.			
05 58 23 00-0002	2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)			
	Note: Steel King Armor Guard.			
05 58 23 00-0003	Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)			
	Note: Excludes posts. Includes fasteners.			
05 58 23 00-0004	EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	216.34	20.72	
05 58 23 00-0005	EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	255.33	20.72	
05 58 23 00-0006	EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	292.12	20.72	
05 58 23 00-0007	EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	331.11	20.72	
05 58 23 00-0008	EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	368.11	20.72	
05 58 23 00-0009	EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	416.06	20.72	
05 58 23 00-0010	EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	448.74	20.72	
05 58 23 00-0011	EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	499.33	20.72	
05 58 23 00-0012	EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	532.52	20.72	
05 58 23 00-0013	EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	556.24	20.72	
05 58 23 00-0014	Posts For 2-Rib Guard Rails (05 58 23 00-0002)			
	Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0015	EA 12" Height, Single Rail Post For 2-Rib Guard Rails.....	432.02	43.16	
05 58 23 00-0016	EA 42" Height, Triple Rail Post For 2-Rib Guard Rails.....	567.45	43.16	
05 58 23 00-0017	3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)			
	Note: Steel King Steel Guard.			



		Metals	05	05
		Metal Fabrications	05 50	
		Formed Metal Fabrications	05 58	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0018	Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	239.84	20.72
05 58 23 00-0020	EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	265.77	20.72
05 58 23 00-0021	EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	298.12	20.72
05 58 23 00-0022	EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	328.37	20.72
05 58 23 00-0023	EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	363.36	20.72
05 58 23 00-0024	EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	380.23	20.72
05 58 23 00-0025	EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	420.81	20.72
05 58 23 00-0026	EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	455.06	20.72
05 58 23 00-0027	EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	491.42	20.72
05 58 23 00-0028	EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	528.31	20.72
05 58 23 00-0029	Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	356.51	20.72
05 58 23 00-0031	EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	384.97	20.72
05 58 23 00-0032	EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	414.48	20.72
05 58 23 00-0033	EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	448.74	20.72
05 58 23 00-0034	EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	482.99	20.72
05 58 23 00-0035	EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	510.92	20.72
05 58 23 00-0036	EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	543.06	20.72
05 58 23 00-0037	EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	579.43	20.72
05 58 23 00-0038	EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	618.42	20.72
05 58 23 00-0039	EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	652.68	20.72
05 58 23 00-0040	Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA 18" Height, Single Rail Post For 3-Rib Guard Rails	378.06	43.16
05 58 23 00-0042	EA 42" Height, Double Rail Post For 3-Rib Guard Rails	487.88	43.16
05 58 23 00-0043	All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044	All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045	EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	492.93	57.54
05 58 23 00-0046	EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	519.28	57.54
05 58 23 00-0047	EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	534.57	57.54
05 58 23 00-0048	EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	557.23	57.54
05 58 23 00-0049	EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	551.96	57.54
05 58 23 00-0050	EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	579.89	57.54
05 58 23 00-0051	EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	587.79	57.54
05 58 23 00-0052	EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	596.75	57.54
05 58 23 00-0053	EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	639.43	57.54
05 58 23 00-0054	Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055	EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	656.30	57.54
05 58 23 00-0056	EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	687.92	57.54
05 58 23 00-0057	EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	701.09	57.54
05 58 23 00-0058	EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	765.91	57.54
05 58 23 00-0059	Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	298.62	43.16
05 58 23 00-0061	EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	350.69	43.16
05 58 23 00-0062	EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	405.81	43.16
05 58 23 00-0063	EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	420.88	43.16
05 58 23 00-0064	EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	455.66	43.16
05 59	Metal Specialties (05 50)		
05 59 65	Metal Chain (05 59)		
05 59 65 00-0001	Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.07	1.08
	For Plastic Dipped, Add	0.59	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.39	1.43
	For Plastic Dipped, Add	0.83	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.18	2.86
	For Plastic Dipped, Add	1.12	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.11	4.83
	For Plastic Dipped, Add	1.72	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.63	8.16
	For Plastic Dipped, Add	2.90	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	50.01	11.45
For Plastic Dipped, Add	4.07	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	68.36	14.32
For Plastic Dipped, Add	5.96	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	99.10	19.08
For Plastic Dipped, Add	9.14	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	161.53	28.63
For Plastic Dipped, Add	15.64	
05 59 65 00-0011 316L Stainless Steel Chain, Cut Length (05 59 65)		
05 59 65 00-0012 CLF 1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,610.91	95.41
05 59 65 00-0013 CLF 3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,212.72	114.53
05 59 65 00-0014 CLF 9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,027.21	143.17
05 59 65 00-0015 CLF 5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,440.40	190.93
05 59 65 00-0016 CLF 3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,193.36	286.34
05 59 65 00-0017 CLF 1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	9,349.58	477.27
05 59 69 Metal Panels (05 59)		
05 59 69 00-0001 Woven And Welded Wire Cloth (05 59 69)		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)		
05 59 69 00-0003 2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels.....	8.75	3.06
For Up To 2, Add	2.57	
For >2 To 6, Add	1.49	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.70	
For Galvanized, Add	2.05	
For Aluminum, Add	2.80	
For 304 Stainless Steel, Add	11.21	
For 316 Stainless Steel, Add	12.84	
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels.....	9.38	3.18
For Up To 2, Add	2.73	
For >2 To 6, Add	1.58	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.77	
For Galvanized, Add	2.26	
For Aluminum, Add	3.08	
For 304 Stainless Steel, Add	12.31	
For 316 Stainless Steel, Add	14.11	
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.01	3.53
For Up To 2, Add	2.94	
For >2 To 6, Add	1.71	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.80	
For Galvanized, Add	2.34	
For Aluminum, Add	3.19	
For 304 Stainless Steel, Add	12.74	
For 316 Stainless Steel, Add	14.60	
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.54	3.68
For Up To 2, Add	3.09	
For >2 To 6, Add	1.79	
For >15 To 40, Deduct	-0.28	
For >40, Deduct	-0.85	
For Galvanized, Add	2.48	
For Aluminum, Add	3.38	
For 304 Stainless Steel, Add	13.54	
For 316 Stainless Steel, Add	15.51	
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.56	4.12
For Up To 2, Add	3.41	
For >2 To 6, Add	1.98	
For >15 To 40, Deduct	-0.30	
For >40, Deduct	-0.91	
For Galvanized, Add	2.67	
For Aluminum, Add	3.64	
For 304 Stainless Steel, Add	14.54	
For 316 Stainless Steel, Add	16.67	
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.23	4.59
For Up To 2, Add	3.87	
For >2 To 6, Add	2.24	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.07	
For Galvanized, Add	3.13	
For Aluminum, Add	4.27	
For 304 Stainless Steel, Add	17.06	
For 316 Stainless Steel, Add	19.55	



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.97	5.06
			For Up To 2, Add	4.34	
			For >2 To 6, Add	2.51	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.23	
			For Galvanized, Add	3.62	
			For Aluminum, Add	4.94	
			For 304 Stainless Steel, Add	19.75	
			For 316 Stainless Steel, Add	22.63	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.10	5.61
			For Up To 2, Add	4.92	
			For >2 To 6, Add	2.83	
			For >15 To 40, Deduct	-0.48	
			For >40, Deduct	-1.44	
			For Galvanized, Add	4.23	
			For Aluminum, Add	5.77	
			For 304 Stainless Steel, Add	23.09	
			For 316 Stainless Steel, Add	26.46	
05 59 69 00-0012 1-3/4" Square Wire Spacing (05 59 69 00-0002)					
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels.....	9.18	3.24
			For Up To 2, Add	2.70	
			For >2 To 6, Add	1.57	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.73	
			For Galvanized, Add	2.14	
			For Aluminum, Add	2.92	
			For 304 Stainless Steel, Add	11.66	
			For 316 Stainless Steel, Add	13.37	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.07	3.41
			For Up To 2, Add	2.93	
			For >2 To 6, Add	1.69	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.83	
			For Galvanized, Add	2.42	
			For Aluminum, Add	3.31	
			For 304 Stainless Steel, Add	13.22	
			For 316 Stainless Steel, Add	15.15	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.86	3.83
			For Up To 2, Add	3.19	
			For >2 To 6, Add	1.85	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.86	
			For Galvanized, Add	2.53	
			For Aluminum, Add	3.45	
			For 304 Stainless Steel, Add	13.80	
			For 316 Stainless Steel, Add	15.81	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.33	3.95
			For Up To 2, Add	3.32	
			For >2 To 6, Add	1.92	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.91	
			For Galvanized, Add	2.67	
			For Aluminum, Add	3.64	
			For 304 Stainless Steel, Add	14.54	
			For 316 Stainless Steel, Add	16.67	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.43	4.43
			For Up To 2, Add	3.67	
			For >2 To 6, Add	2.13	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-0.98	
			For Galvanized, Add	2.87	
			For Aluminum, Add	3.91	
			For 304 Stainless Steel, Add	15.65	
			For 316 Stainless Steel, Add	17.93	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.25	4.95
			For Up To 2, Add	4.17	
			For >2 To 6, Add	2.42	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.37	
			For Aluminum, Add	4.59	
			For 304 Stainless Steel, Add	18.36	
			For 316 Stainless Steel, Add	21.04	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.09	5.43
			For Up To 2, Add	4.67	
			For >2 To 6, Add	2.70	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.33	
			For Galvanized, Add	3.89	
			For Aluminum, Add	5.31	
			For 304 Stainless Steel, Add	21.24	
			For 316 Stainless Steel, Add	24.34	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	18.41	6.03
			For Up To 2, Add	5.29	
			For >2 To 6, Add	3.05	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.55	
			For Galvanized, Add	4.55	
			For Aluminum, Add	6.21	
			For 304 Stainless Steel, Add	24.84	
			For 316 Stainless Steel, Add	28.46	
05 59 69 00-0021			1-1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0022	SF		0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.17	3.60
			For Up To 2, Add	2.99	
			For >2 To 6, Add	1.73	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.81	
			For Galvanized, Add	2.37	
			For Aluminum, Add	3.23	
			For 304 Stainless Steel, Add	12.94	
			For 316 Stainless Steel, Add	14.82	
05 59 69 00-0023	SF		0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.13	3.78
			For Up To 2, Add	3.23	
			For >2 To 6, Add	1.87	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.91	
			For Galvanized, Add	2.68	
			For Aluminum, Add	3.65	
			For 304 Stainless Steel, Add	14.62	
			For 316 Stainless Steel, Add	16.75	
05 59 69 00-0024	SF		0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.88	4.19
			For Up To 2, Add	3.49	
			For >2 To 6, Add	2.03	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.94	
			For Galvanized, Add	2.77	
			For Aluminum, Add	3.77	
			For 304 Stainless Steel, Add	15.10	
			For 316 Stainless Steel, Add	17.30	
05 59 69 00-0025	SF		0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.51	4.36
			For Up To 2, Add	3.67	
			For >2 To 6, Add	2.12	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-1.00	
			For Galvanized, Add	2.94	
			For Aluminum, Add	4.01	
			For 304 Stainless Steel, Add	16.06	
			For 316 Stainless Steel, Add	18.40	
05 59 69 00-0026	SF		0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.68	4.87
			For Up To 2, Add	4.04	
			For >2 To 6, Add	2.34	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.08	
			For Galvanized, Add	3.15	
			For Aluminum, Add	4.30	
			For 304 Stainless Steel, Add	17.21	
			For 316 Stainless Steel, Add	19.72	
05 59 69 00-0027	SF		0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.56	5.41
			For Up To 2, Add	4.55	
			For >2 To 6, Add	2.64	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.25	
			For Galvanized, Add	3.68	
			For Aluminum, Add	5.02	
			For 304 Stainless Steel, Add	20.06	
			For 316 Stainless Steel, Add	22.99	
05 59 69 00-0028	SF		0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.60	5.94
			For Up To 2, Add	5.10	
			For >2 To 6, Add	2.95	
			For >15 To 40, Deduct	-0.48	
			For >40, Deduct	-1.45	
			For Galvanized, Add	4.26	
			For Aluminum, Add	5.81	
			For 304 Stainless Steel, Add	23.23	
			For 316 Stainless Steel, Add	26.62	
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.06	6.59
			For Up To 2, Add	5.77	
			For >2 To 6, Add	3.32	
			For >15 To 40, Deduct	-0.56	
			For >40, Deduct	-1.69	
			For Galvanized, Add	4.97	
			For Aluminum, Add	6.77	
			For 304 Stainless Steel, Add	27.10	
			For 316 Stainless Steel, Add	31.05	



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0030			1-1/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.47	3.89
			For Up To 2, Add	3.13	
			For >2 To 6, Add	1.83	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.79	
			For Galvanized, Add	2.32	
			For Aluminum, Add	3.17	
			For 304 Stainless Steel, Add	12.67	
			For 316 Stainless Steel, Add	14.52	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.29	4.08
			For Up To 2, Add	3.35	
			For >2 To 6, Add	1.95	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.88	
			For Galvanized, Add	2.57	
			For Aluminum, Add	3.51	
			For 304 Stainless Steel, Add	14.04	
			For 316 Stainless Steel, Add	16.09	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.21	4.25
			For Up To 2, Add	3.58	
			For >2 To 6, Add	2.07	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-0.98	
			For Galvanized, Add	2.88	
			For Aluminum, Add	3.92	
			For 304 Stainless Steel, Add	15.70	
			For 316 Stainless Steel, Add	17.99	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.57	4.33
			For Up To 2, Add	3.67	
			For >2 To 6, Add	2.12	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.02	
			For Galvanized, Add	2.99	
			For Aluminum, Add	4.08	
			For 304 Stainless Steel, Add	16.32	
			For 316 Stainless Steel, Add	18.70	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.68	4.89
			For Up To 2, Add	4.04	
			For >2 To 6, Add	2.35	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.07	
			For Galvanized, Add	3.15	
			For Aluminum, Add	4.30	
			For 304 Stainless Steel, Add	17.18	
			For 316 Stainless Steel, Add	19.69	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.41	5.50
			For Up To 2, Add	4.55	
			For >2 To 6, Add	2.64	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.21	
			For Galvanized, Add	3.56	
			For Aluminum, Add	4.85	
			For 304 Stainless Steel, Add	19.39	
			For 316 Stainless Steel, Add	22.22	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.48	6.07
			For Up To 2, Add	5.11	
			For >2 To 6, Add	2.96	
			For >15 To 40, Deduct	-0.47	
			For >40, Deduct	-1.41	
			For Galvanized, Add	4.13	
			For Aluminum, Add	5.63	
			For 304 Stainless Steel, Add	22.54	
			For 316 Stainless Steel, Add	25.82	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels.....	19.65	6.64
			For Up To 2, Add	5.70	
			For >2 To 6, Add	3.29	
			For >15 To 40, Deduct	-0.54	
			For >40, Deduct	-1.62	
			For Galvanized, Add	4.76	
			For Aluminum, Add	6.49	
			For 304 Stainless Steel, Add	25.94	
			For 316 Stainless Steel, Add	29.73	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.45	7.36
			For Up To 2, Add	6.45	
			For >2 To 6, Add	3.72	
			For >15 To 40, Deduct	-0.63	
			For >40, Deduct	-1.89	
			For Galvanized, Add	5.56	
			For Aluminum, Add	7.58	
			For 304 Stainless Steel, Add	30.31	
			For 316 Stainless Steel, Add	34.73	

05 59 69 00-0040 **1" Square Wire Spacing** (05 59 69 00-0002)

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.98	4.56
			For Up To 2, Add	3.61	
			For >2 To 6, Add	2.11	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.89	
			For Galvanized, Add	2.60	
			For Aluminum, Add	3.55	
			For 304 Stainless Steel, Add	14.18	
			For 316 Stainless Steel, Add	16.25	
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.81	4.74
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.23	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.97	
			For Galvanized, Add	2.86	
			For Aluminum, Add	3.89	
			For 304 Stainless Steel, Add	15.58	
			For 316 Stainless Steel, Add	17.85	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.34	4.95
			For Up To 2, Add	3.99	
			For >2 To 6, Add	2.33	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.04	
			For 304 Stainless Steel, Add	16.15	
			For 316 Stainless Steel, Add	18.51	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.23	5.02
			For Up To 2, Add	4.19	
			For >2 To 6, Add	2.43	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.31	
			For Aluminum, Add	4.52	
			For 304 Stainless Steel, Add	18.07	
			For 316 Stainless Steel, Add	20.71	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.85	5.66
			For Up To 2, Add	4.68	
			For >2 To 6, Add	2.72	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.25	
			For Galvanized, Add	3.65	
			For Aluminum, Add	4.98	
			For 304 Stainless Steel, Add	19.92	
			For 316 Stainless Steel, Add	22.83	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.77	6.34
			For Up To 2, Add	5.24	
			For >2 To 6, Add	3.04	
			For >15 To 40, Deduct	-0.47	
			For >40, Deduct	-1.40	
			For Galvanized, Add	4.10	
			For Aluminum, Add	5.59	
			For 304 Stainless Steel, Add	22.37	
			For 316 Stainless Steel, Add	25.63	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.27	7.03
			For Up To 2, Add	5.93	
			For >2 To 6, Add	3.43	
			For >15 To 40, Deduct	-0.54	
			For >40, Deduct	-1.63	
			For Galvanized, Add	4.79	
			For Aluminum, Add	6.53	
			For 304 Stainless Steel, Add	26.14	
			For 316 Stainless Steel, Add	29.95	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.76	7.68
			For Up To 2, Add	6.60	
			For >2 To 6, Add	3.81	
			For >15 To 40, Deduct	-0.63	
			For >40, Deduct	-1.88	
			For Galvanized, Add	5.51	
			For Aluminum, Add	7.51	
			For 304 Stainless Steel, Add	30.05	
			For 316 Stainless Steel, Add	34.43	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels.....	25.91	8.50
			For Up To 2, Add	7.45	
			For >2 To 6, Add	4.29	
			For >15 To 40, Deduct	-0.73	
			For >40, Deduct	-2.19	
			For Galvanized, Add	6.42	
			For Aluminum, Add	8.75	
			For 304 Stainless Steel, Add	34.99	
			For 316 Stainless Steel, Add	40.10	

05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.11	4.55
			For Up To 2, Add	3.63	
			For >2 To 6, Add	2.12	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.91	
			For Galvanized, Add	2.66	
			For Aluminum, Add	3.63	
			For 304 Stainless Steel, Add	14.52	
			For 316 Stainless Steel, Add	16.64	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.52	5.10
			For Up To 2, Add	4.06	
			For >2 To 6, Add	2.37	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.04	
			For 304 Stainless Steel, Add	16.15	
			For 316 Stainless Steel, Add	18.51	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.99	5.76
			For Up To 2, Add	4.53	
			For >2 To 6, Add	2.65	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.10	
			For Galvanized, Add	3.22	
			For Aluminum, Add	4.39	
			For 304 Stainless Steel, Add	17.57	
			For 316 Stainless Steel, Add	20.13	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.20	6.14
			For Up To 2, Add	4.88	
			For >2 To 6, Add	2.85	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.20	
			For Galvanized, Add	3.52	
			For Aluminum, Add	4.81	
			For 304 Stainless Steel, Add	19.22	
			For 316 Stainless Steel, Add	22.03	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels.....	18.69	6.91
			For Up To 2, Add	5.58	
			For >2 To 6, Add	3.25	
			For >15 To 40, Deduct	-0.47	
			For >40, Deduct	-1.42	
			For Galvanized, Add	4.17	
			For Aluminum, Add	5.69	
			For 304 Stainless Steel, Add	22.75	
			For 316 Stainless Steel, Add	26.07	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	21.44	7.73
			For Up To 2, Add	6.35	
			For >2 To 6, Add	3.69	
			For >15 To 40, Deduct	-0.56	
			For >40, Deduct	-1.67	
			For Galvanized, Add	4.91	
			For Aluminum, Add	6.69	
			For 304 Stainless Steel, Add	26.76	
			For 316 Stainless Steel, Add	30.66	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels.....	24.36	8.53
			For Up To 2, Add	7.15	
			For >2 To 6, Add	4.14	
			For >15 To 40, Deduct	-0.65	
			For >40, Deduct	-1.95	
			For Galvanized, Add	5.71	
			For Aluminum, Add	7.79	
			For 304 Stainless Steel, Add	31.15	
			For 316 Stainless Steel, Add	35.70	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels.....	27.22	9.28
			For Up To 2, Add	7.92	
			For >2 To 6, Add	4.58	
			For >15 To 40, Deduct	-0.74	
			For >40, Deduct	-2.23	
			For Galvanized, Add	6.53	
			For Aluminum, Add	8.91	
			For 304 Stainless Steel, Add	35.64	
			For 316 Stainless Steel, Add	40.84	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	30.97	10.26
			For Up To 2, Add	8.93	
			For >2 To 6, Add	5.15	
			For >15 To 40, Deduct	-0.86	
			For >40, Deduct	-2.59	
			For Galvanized, Add	7.61	
			For Aluminum, Add	10.37	
			For 304 Stainless Steel, Add	41.50	
			For 316 Stainless Steel, Add	47.55	

05 59 69 00-0060 1/2" Square Wire Spacing (05 59 69 00-0002)

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.68	4.86
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.24	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.93	
			For Galvanized, Add	2.72	
			For Aluminum, Add	3.71	
			For 304 Stainless Steel, Add	14.86	
			For 316 Stainless Steel, Add	17.02	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.90	5.91
			For Up To 2, Add	4.56	
			For >2 To 6, Add	2.68	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.05	
			For Galvanized, Add	3.08	
			For Aluminum, Add	4.20	
			For 304 Stainless Steel, Add	16.80	
			For 316 Stainless Steel, Add	19.25	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.96	7.00
			For Up To 2, Add	5.46	
			For >2 To 6, Add	3.20	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.29	
			For Galvanized, Add	3.80	
			For Aluminum, Add	5.18	
			For 304 Stainless Steel, Add	20.71	
			For 316 Stainless Steel, Add	23.73	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.66	7.85
			For Up To 2, Add	6.23	
			For >2 To 6, Add	3.64	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.53	
			For Galvanized, Add	4.48	
			For Aluminum, Add	6.11	
			For 304 Stainless Steel, Add	24.46	
			For 316 Stainless Steel, Add	28.02	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels.....	23.66	8.76
			For Up To 2, Add	7.07	
			For >2 To 6, Add	4.12	
			For >15 To 40, Deduct	-0.60	
			For >40, Deduct	-1.80	
			For Galvanized, Add	5.27	
			For Aluminum, Add	7.19	
			For 304 Stainless Steel, Add	28.75	
			For 316 Stainless Steel, Add	32.95	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels.....	27.06	9.76
			For Up To 2, Add	8.02	
			For >2 To 6, Add	4.66	
			For >15 To 40, Deduct	-0.70	
			For >40, Deduct	-2.11	
			For Galvanized, Add	6.18	
			For Aluminum, Add	8.42	
			For 304 Stainless Steel, Add	33.70	
			For 316 Stainless Steel, Add	38.61	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels.....	30.56	10.74
			For Up To 2, Add	8.97	
			For >2 To 6, Add	5.20	
			For >15 To 40, Deduct	-0.81	
			For >40, Deduct	-2.44	
			For Galvanized, Add	7.15	
			For Aluminum, Add	9.75	
			For 304 Stainless Steel, Add	39.00	
			For 316 Stainless Steel, Add	44.69	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	34.05	11.64
			For Up To 2, Add	9.91	
			For >2 To 6, Add	5.73	
			For >15 To 40, Deduct	-0.93	
			For >40, Deduct	-2.78	
			For Galvanized, Add	8.16	
			For Aluminum, Add	11.12	
			For 304 Stainless Steel, Add	44.50	
			For 316 Stainless Steel, Add	50.99	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	35.61	12.81
			For Up To 2, Add	10.54	
			For >2 To 6, Add	6.12	
			For >15 To 40, Deduct	-0.93	
			For >40, Deduct	-2.78	
			For Galvanized, Add	8.16	
			For Aluminum, Add	11.12	
			For 304 Stainless Steel, Add	44.50	
			For 316 Stainless Steel, Add	50.99	

05 59 69 00-0070 Expanded Metal Panels (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.



		Metals	05	05
		Metal Fabrications	05 50	
		Metal Specialties	05 59	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 59 69 00-0071	Plain Flattened Expanded Metal Diamond Shape Panels ^(05 59 69 00-0070) Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.			
05 59 69 00-0072	SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	10.75 2.27 3.10 12.38 14.19		4.19
05 59 69 00-0073	SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	13.41 3.21 4.37 17.50 20.05		4.59
05 59 69 00-0074	SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	7.78 1.52 2.08 8.30 9.52		3.24
05 59 69 00-0075	SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	8.49 1.67 2.27 9.10 10.42		3.53
05 59 69 00-0076	SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	9.64 1.78 2.43 9.72 11.14		4.19
05 59 69 00-0077	SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	12.35 2.27 3.09 12.36 14.16		5.41
05 59 69 00-0078	SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	6.84 1.14 1.55 6.22 7.12		3.18
05 59 69 00-0079	SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	7.64 1.36 1.85 7.39 8.47		3.41
05 59 69 00-0080	SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	8.71 1.58 2.16 8.64 9.90		3.83
05 59 69 00-0081	SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	13.77 2.34 3.19 12.77 14.63		6.34
05 59 69 00-0082	SF 1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	7.69 1.10 1.50 6.00 6.88		3.89
05 59 69 00-0083	SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	6.60 1.11 1.51 6.05 6.93		3.06
05 59 69 00-0084	SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	7.61 1.25 1.70 6.79 7.78		3.60
05 59 69 00-0085	SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF..... For Galvanized, Add For Aluminum, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	11.72 2.30 3.14 12.55 14.38		4.86

05 70 Decorative Metal⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs^(05 70)

05 71 13 Fabricated Metal Spiral Stairs^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread^(05 71 13 00-0001)

05	Metals
05 70	Decorative Metal
05 71	Decorative Metal Stairs



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0003	VLF		3'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	426.45 220.89	55.44
05 71 13 00-0004	VLF		4' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	485.23 254.28	60.99
05 71 13 00-0005	VLF		4'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	536.69 282.53	66.54
05 71 13 00-0006	VLF		5' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	575.30 301.79	72.08

05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings (05 73)

05 73 23 00-0001 Railings; Vertical Square Bars At 6" (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	76.71	12.20
		<i>For Rake Or Angle Railings, Add</i>	10.67	
		<i>For Curved Railings, Add</i>	20.33	
		<i>For 4" On Center Standards, Add</i>	2.07	
		<i>For 4-1/2" On Center Standards, Add</i>	1.65	
		<i>For 5" On Center Standards, Add</i>	1.10	
		<i>For 5-1/2" On Center Standards, Add</i>	0.55	
		<i>For Each Field Bending Of Rails, Add</i>	14.79	
		<i>For Galvanized, Add</i>	3.86	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	193.37	16.63
		<i>For Rake Or Angle Railings, Add</i>	20.47	
		<i>For Curved Railings, Add</i>	69.26	
		<i>For 4" On Center Standards, Add</i>	9.43	
		<i>For 4-1/2" On Center Standards, Add</i>	7.55	
		<i>For 5" On Center Standards, Add</i>	5.03	
		<i>For 5-1/2" On Center Standards, Add</i>	2.52	
		<i>For Each Field Bending Of Rails, Add</i>	19.40	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	159.20	27.72
		<i>For Rake Or Angle Railings, Add</i>	21.63	
		<i>For Curved Railings, Add</i>	43.60	
		<i>For 4" On Center Standards, Add</i>	4.62	
		<i>For 4-1/2" On Center Standards, Add</i>	3.70	
		<i>For 5" On Center Standards, Add</i>	2.46	
		<i>For 5-1/2" On Center Standards, Add</i>	1.23	
		<i>For Each Field Bending Of Rails, Add</i>	26.90	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	296.14	22.18
		<i>For Rake Or Angle Railings, Add</i>	29.81	
		<i>For Curved Railings, Add</i>	110.36	
		<i>For 4" On Center Standards, Add</i>	15.46	
		<i>For 4-1/2" On Center Standards, Add</i>	12.36	
		<i>For 5" On Center Standards, Add</i>	8.24	
		<i>For 5-1/2" On Center Standards, Add</i>	4.12	
		<i>For Each Field Bending Of Rails, Add</i>	25.02	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	417.11	33.82
		<i>For Rake Or Angle Railings, Add</i>	35.24	
		<i>For Curved Railings, Add</i>	174.39	
		<i>For 4" On Center Standards, Add</i>	26.21	
		<i>For 4-1/2" On Center Standards, Add</i>	20.97	
		<i>For 5" On Center Standards, Add</i>	13.98	
		<i>For 5-1/2" On Center Standards, Add</i>	6.99	
		<i>For Each Field Bending Of Rails, Add</i>	19.41	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	182.00	5.55
		<i>For Rake Or Angle Railings, Add</i>	14.26	
		<i>For Curved Railings, Add</i>	79.23	
		<i>For 4" On Center Standards, Add</i>	12.17	
		<i>For 4-1/2" On Center Standards, Add</i>	9.74	
		<i>For 5" On Center Standards, Add</i>	6.49	
		<i>For 5-1/2" On Center Standards, Add</i>	3.25	
		<i>For Each Field Bending Of Rails, Add</i>	7.43	
		<i>For Exterior Post-Installed Anchors, Add</i>	10.89	

05 73 23 00-0009 Plain Handrails (05 73 23)

05 73 23 00-0010	LF	2" Brass Handrail	61.60	12.37
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	124.29	44.00
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	55.83	22.06
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	93.63	44.00
05 73 23 00-0014	LF	2" Stainless Steel Handrail	73.14	15.46

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0382 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	11.68	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	11.63	



		Metals	05	05
		Decorative Metal	05 70	
		Decorative Metal Railings	05 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 73 23 00-0018	Remove And Reinstall Ornamental Railing (05 73 23)	
05 73 23 00-0019	LF Removal And Reinstallation Of Ornamental Handrail And Pickets	102.02

05 75 Decorative Formed Metal (05 70)

05 75 00 00-0001	Metal Sheets, Installed On Walls (05 75)
Note: Includes field fabrication (bending) where noted.	

05 75 00 00-0002	Copper Sheets, Installed On Walls (05 75 00 00-0001)
Note: Includes field fabrication.	

05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	27.35	2.25
	For >16 To 200, Deduct	-1.54	
	For >200 To 500, Deduct	-3.07	
	For >500, Deduct	-4.44	
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	34.20	2.51
	For >16 To 200, Deduct	-1.90	
	For >200 To 500, Deduct	-3.80	
	For >500, Deduct	-5.51	
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	37.44	2.70
	For >16 To 200, Deduct	-2.08	
	For >200 To 500, Deduct	-4.15	
	For >500, Deduct	-6.02	
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	40.45	2.84
	For >16 To 200, Deduct	-2.24	
	For >200 To 500, Deduct	-4.47	
	For >500, Deduct	-6.49	
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	46.17	2.97
	For >16 To 200, Deduct	-2.53	
	For >200 To 500, Deduct	-5.06	
	For >500, Deduct	-7.37	
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	58.61	3.11
	For >16 To 200, Deduct	-3.16	
	For >200 To 500, Deduct	-6.33	
	For >500, Deduct	-9.26	
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	68.76	3.25
	For >16 To 200, Deduct	-3.68	
	For >200 To 500, Deduct	-7.36	
	For >500, Deduct	-10.80	
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	83.33	3.51
	For >16 To 200, Deduct	-4.43	
	For >200 To 500, Deduct	-8.86	
	For >500, Deduct	-13.03	
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls	102.45	3.79
	For >16 To 200, Deduct	-5.41	
	For >200 To 500, Deduct	-10.81	
	For >500, Deduct	-15.94	
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls	150.72	4.06
	For >16 To 200, Deduct	-7.84	
	For >200 To 500, Deduct	-15.68	
	For >500, Deduct	-23.22	

05 75 00 00-0013	Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)
Note: Includes field fabrication.	

05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.40	2.48
	For >16 To 200, Deduct	-0.96	
	For >200 To 500, Deduct	-1.91	
	For >500, Deduct	-2.68	
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.42	2.67
	For >16 To 200, Deduct	-1.07	
	For >200 To 500, Deduct	-2.14	
	For >500, Deduct	-3.01	
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.96	2.81
	For >16 To 200, Deduct	-1.16	
	For >200 To 500, Deduct	-2.32	
	For >500, Deduct	-3.27	
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	22.21	2.93
	For >16 To 200, Deduct	-1.33	
	For >200 To 500, Deduct	-2.66	
	For >500, Deduct	-3.77	
05 75 00 00-0018	SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.36	3.07
	For >16 To 200, Deduct	-1.50	
	For >200 To 500, Deduct	-3.00	
	For >500, Deduct	-4.27	
05 75 00 00-0019	SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	29.33	3.20
	For >16 To 200, Deduct	-1.71	
	For >200 To 500, Deduct	-3.41	
	For >500, Deduct	-4.88	
05 75 00 00-0020	SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	42.18	3.74
	For >16 To 200, Deduct	-2.39	
	For >200 To 500, Deduct	-4.78	
	For >500, Deduct	-6.89	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0021	SF	3/16" Thick (7 Gauge)	304 Brushed Stainless Steel Sheet, Installed On Walls.....	57.03	3.97
		For >16 To 200, Deduct		-3.15	
		For >200 To 500, Deduct		-6.30	
		For >500, Deduct		-9.15	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge)	304 Brushed Stainless Steel Sheet, Installed On Walls.....	78.07	4.81
		For >16 To 200, Deduct		-4.26	
		For >200 To 500, Deduct		-8.53	
		For >500, Deduct		-12.43	
05 75 00 00-0023	SF	3/8" Thick	304 Brushed Stainless Steel Sheet, Installed On Walls.....	130.45	5.16
		For >16 To 200, Deduct		-6.91	
		For >200 To 500, Deduct		-13.82	
		For >500, Deduct		-20.34	
05 75 00 00-0024	SF	1/2" Thick	304 Brushed Stainless Steel Sheet, Installed On Walls.....	166.91	6.00
		For >16 To 200, Deduct		-8.80	
		For >200 To 500, Deduct		-17.59	
		For >500, Deduct		-25.94	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)					
Note: Includes field fabrication.					
05 75 00 00-0026	SF	0.016" Thick (26 Gauge)	Aluminum Sheet, Installed On Walls.....	11.09	2.25
		For >16 To 200, Deduct		-0.72	
		For >200 To 500, Deduct		-1.45	
		For >500, Deduct		-2.00	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge)	Aluminum Sheet, Installed On Walls.....	12.60	2.51
		For >16 To 200, Deduct		-0.82	
		For >200 To 500, Deduct		-1.64	
		For >500, Deduct		-2.27	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge)	Aluminum Sheet, Installed On Walls.....	14.09	2.70
		For >16 To 200, Deduct		-0.91	
		For >200 To 500, Deduct		-1.82	
		For >500, Deduct		-2.52	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge)	Aluminum Sheet, Installed On Walls.....	15.67	2.84
		For >16 To 200, Deduct		-1.00	
		For >200 To 500, Deduct		-1.99	
		For >500, Deduct		-2.78	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge)	Aluminum Sheet, Installed On Walls.....	17.24	2.97
		For >16 To 200, Deduct		-1.09	
		For >200 To 500, Deduct		-2.17	
		For >500, Deduct		-3.03	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge)	Aluminum Sheet, Installed On Walls.....	18.97	3.11
		For >16 To 200, Deduct		-1.18	
		For >200 To 500, Deduct		-2.36	
		For >500, Deduct		-3.31	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge)	Aluminum Sheet, Installed On Walls.....	21.11	3.25
		For >16 To 200, Deduct		-1.30	
		For >200 To 500, Deduct		-2.60	
		For >500, Deduct		-3.65	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge)	Aluminum Sheet, Installed On Walls.....	25.13	3.79
		For >16 To 200, Deduct		-1.54	
		For >200 To 500, Deduct		-3.08	
		For >500, Deduct		-4.34	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)					
Note: Includes field fabrication.					
05 75 00 00-0035	SF	0.0217" (26 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	9.50	2.25
		For >16 To 200, Deduct		-0.64	
		For >200 To 500, Deduct		-1.29	
		For >500, Deduct		-1.76	
05 75 00 00-0036	SF	0.0276" (24 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	10.53	2.51
		For >16 To 200, Deduct		-0.71	
		For >200 To 500, Deduct		-1.43	
		For >500, Deduct		-1.96	
05 75 00 00-0037	SF	0.0336" (22 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	11.20	2.70
		For >16 To 200, Deduct		-0.76	
		For >200 To 500, Deduct		-1.53	
		For >500, Deduct		-2.09	
05 75 00 00-0038	SF	0.0396" (20 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	11.89	2.84
		For >16 To 200, Deduct		-0.81	
		For >200 To 500, Deduct		-1.62	
		For >500, Deduct		-2.21	
05 75 00 00-0039	SF	0.0516" (18 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	12.78	2.97
		For >16 To 200, Deduct		-0.86	
		For >200 To 500, Deduct		-1.72	
		For >500, Deduct		-2.36	
05 75 00 00-0040	SF	0.0635" (16 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	13.75	3.11
		For >16 To 200, Deduct		-0.92	
		For >200 To 500, Deduct		-1.84	
		For >500, Deduct		-2.53	
05 75 00 00-0041	SF	0.0785" (14 Gauge)	Thick Galvanized Steel Sheet, Installed On Walls.....	15.29	3.25
		For >16 To 200, Deduct		-1.01	
		For >200 To 500, Deduct		-2.02	
		For >500, Deduct		-2.78	



		Metals	05	05
		Decorative Metal	05 70	
		Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	17.50	3.51
For >16 To 200, Deduct	-1.14	
For >200 To 500, Deduct	-2.28	
For >500, Deduct	-3.15	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.17	4.06
For >16 To 200, Deduct	-1.31	
For >200 To 500, Deduct	-2.63	
For >500, Deduct	-3.63	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.99	2.13
For >16 To 200, Deduct	-0.81	
For >200 To 500, Deduct	-1.63	
For >500, Deduct	-2.23	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.82	2.42
For >16 To 200, Deduct	-0.93	
For >200 To 500, Deduct	-1.87	
For >500, Deduct	-2.56	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.63	2.68
For >16 To 200, Deduct	-1.05	
For >200 To 500, Deduct	-2.10	
For >500, Deduct	-2.88	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	17.21	2.90
For >16 To 200, Deduct	-1.15	
For >200 To 500, Deduct	-2.30	
For >500, Deduct	-3.16	

END OF SECTION 05

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



Wood, Plastics, and Composites			06
Maintenance of Wood, Plastics, and Composites			06 01
Maintenance of Rough Carpentry			06 01 10

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites (06)

06 01 10 Maintenance of Rough Carpentry (06 01)

06 01 10 91 Rough Carpentry Restoration (06 01 10)

06 01 10 91-0001	Roof Beam Restoration (06 01 10 91)	
06 01 10 91-0002	EA Up To 5, Roof Beam Restoration And Fill.....	81.59
	Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	
06 01 10 91-0003	EA >5 To 25, Roof Beam Restoration And Fill.....	70.21
	Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	
06 01 10 91-0004	EA >25, Roof Beam Restoration And Fill.....	58.83
	Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	
06 01 10 91-0005	Roof Beam Replacement (06 01 10 91)	
	Note: Includes cutting back the rafter beam back 18" and in a zig-zag Z splice cut for purpose of splicing on new end piece. Attached with glue and screwed on with lag screws counter sunk.	
06 01 10 91-0006	EA Up To 5, Roof Beam Replacement, 6" x 12" Beams.....	175.38
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0007	EA >5 To 25, Roof Beam Replacement, 6" x 12" Beams.....	164.00
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0008	EA >25, Roof Beam Replacement, 6" x 12" Beams.....	152.62
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0009	EA Up To 5, Roof Beam Replacement, 4" x 8" Beams.....	153.71
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0010	EA >5 To 25, Roof Beam Replacement, 4" x 8" Beams.....	142.32
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0011	EA >25, Roof Beam Replacement, 4" x 8" Beams.....	130.93
	Note: Includes cutting off damaged/rotten wood, new beams with screws.	
06 01 10 91-0012	Roof Beam Caps (06 01 10 91)	
06 01 10 91-0013	EA 4" x 4" Stainless Steel Beam End Cap.....	33.49
	For Galvanized Steel, Deduct.....	-2.74
06 01 10 91-0014	EA 4" x 6" Stainless Steel Beam End Cap.....	50.04
	For Galvanized Steel, Deduct.....	-4.81
06 01 10 91-0015	EA 4" x 8" Stainless Steel Beam End Cap.....	64.49
	For Galvanized Steel, Deduct.....	-6.25
06 01 10 91-0016	EA 6" x 6" Stainless Steel Beam End Cap.....	58.47
	For Galvanized Steel, Deduct.....	-5.50
06 01 10 91-0017	EA 6" x 12" Stainless Steel Beam End Cap.....	73.41
	For Galvanized Steel, Deduct.....	-7.00
06 01 10 91-0018	Field Formed Beam Top/End Caps (06 01 10 91)	
06 01 10 91-0019	SF 24 Gauge, Stainless Steel Field Formed Beam Top/End Cap.....	16.57
	Note: Includes forming and bending at edges and around end of exposed beam	
06 01 10 91-0020	SF 24 Gauge, Galvanized Steel Field Formed Beam Top/End Cap.....	11.71
	Note: Includes forming and bending at edges and around end of exposed beam	
06 01 10 91-0021	Historic Restoration For Retexturing Wood Beams (06 01 10 91)	
06 01 10 91-0022	SF Retexture Wood Beams To Match Original Historic Appearance.....	39.44
	Note: Includes: Retexturing wood surface of beams on (3) sides	
06 01 10 91-0023	LF Retexture 3" X 6" Wood Beams On (3) Sides To Match Original Historic Appearance.....	49.32

06 01 20 Maintenance of Finish Carpentry (06 01)

06 01 20 91 Finish Carpentry Restoration (06 01 20)

06 01 20 91-0001	Wood Trim Repair (06 01 20 91)	
06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork.....	8.70
	Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	

06 01 40 Maintenance of Architectural Woodwork (06 01)

06 01 40 51	Architectural Woodwork Cleaning (06 01 40)	
	See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.	
06 01 40 91	Architectural Woodwork Restoration (06 01 40)	
06 01 40 91-0001	Cabinet Hardware Replacement (06 01 40 91)	

06 Wood, Plastics, and Composites**06 01 Maintenance of Wood, Plastics, and Composites****06 01 40 Maintenance of Architectural Woodwork**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	38.55	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges.....	42.84	

06 05 Common Work Results for Wood, Plastics, and Composites ⁽⁰⁶⁾**06 05 23 Wood, Plastic, and Composite Fastenings** ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	12.99	
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.94	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-3.23	
		For >500, Deduct	-4.59	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	16.96	
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-1.09	
		For >100 To 250, Deduct	-2.18	
		For >250 To 500, Deduct	-3.71	
		For >500, Deduct	-5.24	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	18.73	
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-1.13	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-3.84	
		For >500, Deduct	-5.41	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	35.97	
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.81	
		For >100 To 250, Deduct	-3.62	
		For >250 To 500, Deduct	-6.03	
		For >500, Deduct	-8.44	

06 05 23 00-0006 Framing Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	7.43	3.45
		For >10 To 50, Deduct	-0.33	
		For >50 To 100, Deduct	-0.68	
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-2.36	
		For >500, Deduct	-3.37	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	8.29	3.79
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.76	
		For >100 To 250, Deduct	-1.52	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.79	

06 05 23 00-0009 Angle Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	7.54	3.45
		For >10 To 50, Deduct	-0.33	
		For >50 To 100, Deduct	-0.68	
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-3.38	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	8.30	3.68
		For >10 To 50, Deduct	-0.35	
		For >50 To 100, Deduct	-0.73	
		For >100 To 250, Deduct	-1.47	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.63	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	15.22	3.79
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.94	
		For >100 To 250, Deduct	-1.87	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-4.48	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.57	3.79
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.89	
		For >100 To 250, Deduct	-1.79	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-4.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0014	EA		4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44).....	14.81	4.26
			For >10 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-0.98	
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-3.35	
			For >500, Deduct	-4.74	
06 05 23 00-0015	EA		5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66).....	16.89	4.49
			For >10 To 50, Deduct	-0.44	
			For >50 To 100, Deduct	-1.08	
			For >100 To 250, Deduct	-2.16	
			For >250 To 500, Deduct	-3.68	
			For >500, Deduct	-5.19	
06 05 23 00-0016			Reinforcing Angle Wood Construction Connectors (06 05 23)		
			Note: Including nails.		
06 05 23 00-0017	EA		3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	8.41	3.22
			For >10 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-0.70	
			For >100 To 250, Deduct	-1.41	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-3.47	
06 05 23 00-0018	EA		5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	10.62	3.45
			For >10 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.79	
			For >100 To 250, Deduct	-1.58	
			For >250 To 500, Deduct	-2.71	
			For >500, Deduct	-3.85	
06 05 23 00-0019	EA		7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.23	3.56
			For >10 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-0.85	
			For >100 To 250, Deduct	-1.69	
			For >250 To 500, Deduct	-2.90	
			For >500, Deduct	-4.10	
06 05 23 00-0020	EA		9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.65	3.68
			For >10 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.91	
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-3.10	
			For >500, Deduct	-4.39	
06 05 23 00-0021	EA		3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30).....	9.30	3.22
			For >10 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-0.73	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.56	
06 05 23 00-0022	EA		4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50).....	10.31	3.45
			For >10 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.78	
			For >100 To 250, Deduct	-1.56	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.82	
06 05 23 00-0023	EA		6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70).....	12.15	3.56
			For >10 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-0.84	
			For >100 To 250, Deduct	-1.69	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-4.10	
06 05 23 00-0024	EA		7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90).....	14.60	3.68
			For >10 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.93	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-4.48	
06 05 23 00-0025			Hold Down Anchors (06 05 23)		
			Note: Including nails.		
06 05 23 00-0026	EA		8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	63.07	
			For >10 To 50, Deduct	-1.78	
			For >50 To 100, Deduct	-4.25	
			For >100 To 250, Deduct	-8.50	
			For >250 To 500, Deduct	-14.54	
			For >500, Deduct	-20.57	
06 05 23 00-0027	EA		9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	90.69	
			For >10 To 50, Deduct	-1.84	
			For >50 To 100, Deduct	-5.03	
			For >100 To 250, Deduct	-10.06	
			For >250 To 500, Deduct	-16.92	
			For >500, Deduct	-23.79	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	113.00	
		For >10 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-5.76	
		For >100 To 250, Deduct	-11.52	
		For >250 To 500, Deduct	-19.23	
		For >500, Deduct	-26.95	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	133.79	
		For >10 To 50, Deduct	-2.19	
		For >50 To 100, Deduct	-6.62	
		For >100 To 250, Deduct	-13.25	
		For >250 To 500, Deduct	-22.05	
		For >500, Deduct	-30.86	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	219.56	
		For >10 To 50, Deduct	-2.76	
		For >50 To 100, Deduct	-9.63	
		For >100 To 250, Deduct	-19.26	
		For >250 To 500, Deduct	-31.66	
		For >500, Deduct	-44.05	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	298.73	
		For >10 To 50, Deduct	-2.88	
		For >50 To 100, Deduct	-11.78	
		For >100 To 250, Deduct	-23.56	
		For >250 To 500, Deduct	-38.22	
		For >500, Deduct	-52.88	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	75.39	
		For >10 To 50, Deduct	-1.78	
		For >50 To 100, Deduct	-4.56	
		For >100 To 250, Deduct	-9.12	
		For >250 To 500, Deduct	-15.46	
		For >500, Deduct	-21.80	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	83.89	
		For >10 To 50, Deduct	-1.84	
		For >50 To 100, Deduct	-4.86	
		For >100 To 250, Deduct	-9.72	
		For >250 To 500, Deduct	-16.41	
		For >500, Deduct	-23.11	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	94.35	
		For >10 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-5.29	
		For >100 To 250, Deduct	-10.59	
		For >250 To 500, Deduct	-17.83	
		For >500, Deduct	-25.08	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	117.31	
		For >10 To 50, Deduct	-2.19	
		For >50 To 100, Deduct	-6.21	
		For >100 To 250, Deduct	-12.42	
		For >250 To 500, Deduct	-20.82	
		For >500, Deduct	-29.22	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	151.27	
		For >10 To 50, Deduct	-2.76	
		For >50 To 100, Deduct	-7.92	
		For >100 To 250, Deduct	-15.85	
		For >250 To 500, Deduct	-26.53	
		For >500, Deduct	-37.22	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	169.73	
		For >10 To 50, Deduct	-2.88	
		For >50 To 100, Deduct	-8.56	
		For >100 To 250, Deduct	-17.11	
		For >250 To 500, Deduct	-28.55	
		For >500, Deduct	-39.98	
06 05 23 00-0038		Joist And Beam Hangers (06 05 23) Note: Including nails.		
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	7.98	3.22
		For >10 To 50, Deduct	-0.33	
		For >50 To 100, Deduct	-0.69	
		For >100 To 250, Deduct	-1.38	
		For >250 To 500, Deduct	-2.41	
		For >500, Deduct	-3.43	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	8.96	3.45
		For >10 To 50, Deduct	-0.35	
		For >50 To 100, Deduct	-0.75	
		For >100 To 250, Deduct	-1.49	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0041	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.04	3.56
			For >10 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-0.87	
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.96	
			For >500, Deduct	-4.18	
06 05 23 00-0042	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.23	3.68
			For >10 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.92	
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-3.14	
			For >500, Deduct	-4.44	
06 05 23 00-0043	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	22.45	3.91
			For >10 To 50, Deduct	-0.39	
			For >50 To 100, Deduct	-1.14	
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-3.82	
			For >500, Deduct	-5.35	
06 05 23 00-0044	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	26.97	4.03
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-1.27	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-4.21	
			For >500, Deduct	-5.88	
06 05 23 00-0045			Anchor And Ties (06 05 23) Note: Including nails.		
06 05 23 00-0046	EA		12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	42.31	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA		16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	52.46	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA		16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.33	
06 05 23 00-0049	EA		16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	6.05	
06 05 23 00-0050			Hurricane Ties (06 05 23)		
06 05 23 00-0051	EA		6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	8.60	3.56
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-0.81	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-4.03	
06 05 23 00-0052	EA		6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.23	
06 05 23 00-0053	EA		6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	9.47	
06 05 23 00-0054	EA		10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	10.92	3.56
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-0.87	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-3.00	
			For >500, Deduct	-4.26	
06 05 23 00-0055	EA		19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	19.64	
06 05 23 00-0056			Post Column Bases (06 05 23) Note: Including nails.		
06 05 23 00-0057	EA		Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	36.69	
06 05 23 00-0058	EA		Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	57.68	
06 05 23 00-0059	EA		Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	59.44	
06 05 23 00-0060			Post Column Caps (06 05 23) Note: Including nails.		
06 05 23 00-0061	EA		4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.59	4.03
			For >10 To 50, Deduct	-0.44	
			For >50 To 100, Deduct	-1.15	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-3.90	
			For >500, Deduct	-5.50	
06 05 23 00-0062	EA		6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	44.91	4.03
			For >10 To 50, Deduct	-0.47	
			For >50 To 100, Deduct	-1.82	
			For >100 To 250, Deduct	-3.65	
			For >250 To 500, Deduct	-5.94	
			For >500, Deduct	-8.23	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	225.75	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-14.74	
			For >250 To 500, Deduct	-23.26	
			For >500, Deduct	-31.78	
			For Hot Dipped Galvanized, Add	91.24	
06 05 23 00-0064	EA		3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	234.76	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.81	
			For >100 To 250, Deduct	-15.62	
			For >250 To 500, Deduct	-24.72	
			For >500, Deduct	-33.83	
			For Hot Dipped Galvanized, Add	94.00	
06 05 23 00-0065	EA		4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	143.62	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-5.32	
			For >100 To 250, Deduct	-10.63	
			For >250 To 500, Deduct	-17.10	
			For >500, Deduct	-23.56	
			For Hot Dipped Galvanized, Add	54.28	
06 05 23 00-0066	EA		4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	229.77	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.69	
			For >100 To 250, Deduct	-15.37	
			For >250 To 500, Deduct	-24.35	
			For >500, Deduct	-33.33	
			For Hot Dipped Galvanized, Add	91.75	
06 05 23 00-0067	EA		4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	240.55	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.95	
			For >100 To 250, Deduct	-15.91	
			For >250 To 500, Deduct	-25.16	
			For >500, Deduct	-34.41	
			For Hot Dipped Galvanized, Add	96.60	
06 05 23 00-0068	EA		6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	246.15	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-8.01	
			For >100 To 250, Deduct	-16.02	
			For >250 To 500, Deduct	-25.26	
			For >500, Deduct	-34.51	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0069	EA		6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	248.45	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-8.24	
			For >100 To 250, Deduct	-16.48	
			For >250 To 500, Deduct	-26.07	
			For >500, Deduct	-35.66	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0070	EA		6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	248.45	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-8.24	
			For >100 To 250, Deduct	-16.48	
			For >250 To 500, Deduct	-26.07	
			For >500, Deduct	-35.66	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0071	EA		5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	288.47	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-9.07	
			For >100 To 250, Deduct	-18.13	
			For >250 To 500, Deduct	-28.44	
			For >500, Deduct	-38.74	
			For Hot Dipped Galvanized, Add	118.68	
06 05 23 00-0072	EA		5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	290.77	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-9.30	
			For >100 To 250, Deduct	-18.59	
			For >250 To 500, Deduct	-29.24	
			For >500, Deduct	-39.89	
			For Hot Dipped Galvanized, Add	118.68	
06 05 23 00-0073	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	290.77	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-9.30	
			For >100 To 250, Deduct	-18.59	
			For >250 To 500, Deduct	-29.24	
			For >500, Deduct	-39.89	
			For Hot Dipped Galvanized, Add	118.68	
06 05 23 00-0074	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	353.99	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-10.71	
			For >100 To 250, Deduct	-21.41	
			For >250 To 500, Deduct	-33.35	
			For >500, Deduct	-45.30	
			For Hot Dipped Galvanized, Add	148.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0075	EA		8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	356.29	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-10.94	
			For >100 To 250, Deduct	-21.87	
			For >250 To 500, Deduct	-34.16	
			For >500, Deduct	-46.45	
			For Hot Dipped Galvanized, Add	148.16	
06 05 23 00-0076	EA		8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	356.29	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-10.94	
			For >100 To 250, Deduct	-21.87	
			For >250 To 500, Deduct	-34.16	
			For >500, Deduct	-46.45	
			For Hot Dipped Galvanized, Add	148.16	
06 05 23 00-0077	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	225.75	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-14.74	
			For >250 To 500, Deduct	-23.26	
			For >500, Deduct	-31.78	
			For Hot Dipped Galvanized, Add	91.24	
06 05 23 00-0078	EA		3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	234.76	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.81	
			For >100 To 250, Deduct	-15.62	
			For >250 To 500, Deduct	-24.72	
			For >500, Deduct	-33.83	
			For Hot Dipped Galvanized, Add	94.00	
06 05 23 00-0079	EA		4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44).....	143.62	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-5.32	
			For >100 To 250, Deduct	-10.63	
			For >250 To 500, Deduct	-17.10	
			For >500, Deduct	-23.56	
			For Hot Dipped Galvanized, Add	54.28	
06 05 23 00-0080	EA		4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	229.77	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.69	
			For >100 To 250, Deduct	-15.37	
			For >250 To 500, Deduct	-24.35	
			For >500, Deduct	-33.33	
			For Hot Dipped Galvanized, Add	91.75	
06 05 23 00-0081	EA		4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	240.55	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-7.95	
			For >100 To 250, Deduct	-15.91	
			For >250 To 500, Deduct	-25.16	
			For >500, Deduct	-34.41	
			For Hot Dipped Galvanized, Add	96.60	
06 05 23 00-0082	EA		6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	246.15	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-8.01	
			For >100 To 250, Deduct	-16.02	
			For >250 To 500, Deduct	-25.26	
			For >500, Deduct	-34.51	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0083	EA		6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	248.45	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-8.24	
			For >100 To 250, Deduct	-16.48	
			For >250 To 500, Deduct	-26.07	
			For >500, Deduct	-35.66	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0084	EA		6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	248.45	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-8.24	
			For >100 To 250, Deduct	-16.48	
			For >250 To 500, Deduct	-26.07	
			For >500, Deduct	-35.66	
			For Hot Dipped Galvanized, Add	99.63	
06 05 23 00-0085	EA		5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	288.47	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-9.07	
			For >100 To 250, Deduct	-18.13	
			For >250 To 500, Deduct	-28.44	
			For >500, Deduct	-38.74	
			For Hot Dipped Galvanized, Add	118.68	
06 05 23 00-0086	EA		5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	290.77	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-9.30	
			For >100 To 250, Deduct	-18.59	
			For >250 To 500, Deduct	-29.24	
			For >500, Deduct	-39.89	
			For Hot Dipped Galvanized, Add	118.68	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0087	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	290.77	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-9.30	
			For >100 To 250, Deduct	-18.59	
			For >250 To 500, Deduct	-29.24	
			For >500, Deduct	-39.89	
			For Hot Dipped Galvanized, Add	118.68	
06 05 23 00-0088	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	353.99	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-10.71	
			For >100 To 250, Deduct	-21.41	
			For >250 To 500, Deduct	-33.35	
			For >500, Deduct	-45.30	
			For Hot Dipped Galvanized, Add	148.16	
06 05 23 00-0089	EA		8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	356.29	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-10.94	
			For >100 To 250, Deduct	-21.87	
			For >250 To 500, Deduct	-34.16	
			For >500, Deduct	-46.45	
			For Hot Dipped Galvanized, Add	148.16	
06 05 23 00-0090	EA		8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	356.29	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-10.94	
			For >100 To 250, Deduct	-21.87	
			For >250 To 500, Deduct	-34.16	
			For >500, Deduct	-46.45	
			For Hot Dipped Galvanized, Add	148.16	
06 05 23 00-0091			Rafter Connectors (06 05 23)		
06 05 23 00-0092	EA		Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	10.57	3.56
			For >10 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-0.86	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.97	
			For >500, Deduct	-4.23	
06 05 23 00-0093			Bolts And Fasteners (06 05 23)		
06 05 23 00-0094			Carriage Bolts (06 05 23 00-0093)		
			Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095			Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0096	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.41	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.51	
			For >100 To 250, Deduct	-3.01	
			For >250 To 500, Deduct	-5.27	
			For >500, Deduct	-7.52	
06 05 23 00-0097	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.61	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.51	
			For >100 To 250, Deduct	-3.02	
			For >250 To 500, Deduct	-5.28	
			For >500, Deduct	-7.54	
06 05 23 00-0098	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.73	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.51	
			For >100 To 250, Deduct	-3.03	
			For >250 To 500, Deduct	-5.29	
			For >500, Deduct	-7.55	
06 05 23 00-0099	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.40	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.75	
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-6.13	
			For >500, Deduct	-8.74	
06 05 23 00-0100	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.10	
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-1.64	
			For >100 To 250, Deduct	-3.27	
			For >250 To 500, Deduct	-5.71	
			For >500, Deduct	-8.15	
06 05 23 00-0101	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.58	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.76	
			For >100 To 250, Deduct	-3.52	
			For >250 To 500, Deduct	-6.14	
			For >500, Deduct	-8.76	
06 05 23 00-0102	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.90	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.77	
			For >100 To 250, Deduct	-3.53	
			For >250 To 500, Deduct	-6.16	
			For >500, Deduct	-8.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	22.58	
		For >10 To 50, Deduct	.....	-1.04	
		For >50 To 100, Deduct	.....	-2.12	
		For >100 To 250, Deduct	.....	-4.24	
		For >250 To 500, Deduct	.....	-7.39	
		For >500, Deduct	.....	-10.54	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	24.70	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.26	
		For >100 To 250, Deduct	.....	-4.51	
		For >250 To 500, Deduct	.....	-7.86	
		For >500, Deduct	.....	-11.21	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	27.95	
		For >10 To 50, Deduct	.....	-1.21	
		For >50 To 100, Deduct	.....	-2.51	
		For >100 To 250, Deduct	.....	-5.02	
		For >250 To 500, Deduct	.....	-8.74	
		For >500, Deduct	.....	-12.46	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	19.26	
		For >10 To 50, Deduct	.....	-0.86	
		For >50 To 100, Deduct	.....	-1.78	
		For >100 To 250, Deduct	.....	-3.55	
		For >250 To 500, Deduct	.....	-6.19	
		For >500, Deduct	.....	-8.83	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	21.24	
		For >10 To 50, Deduct	.....	-0.92	
		For >50 To 100, Deduct	.....	-1.91	
		For >100 To 250, Deduct	.....	-3.82	
		For >250 To 500, Deduct	.....	-6.66	
		For >500, Deduct	.....	-9.49	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	22.66	
		For >10 To 50, Deduct	.....	-0.98	
		For >50 To 100, Deduct	.....	-2.03	
		For >100 To 250, Deduct	.....	-4.07	
		For >250 To 500, Deduct	.....	-7.08	
		For >500, Deduct	.....	-10.09	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	25.42	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.28	
		For >100 To 250, Deduct	.....	-4.55	
		For >250 To 500, Deduct	.....	-7.92	
		For >500, Deduct	.....	-11.29	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	29.98	
		For >10 To 50, Deduct	.....	-1.27	
		For >50 To 100, Deduct	.....	-2.65	
		For >100 To 250, Deduct	.....	-5.30	
		For >250 To 500, Deduct	.....	-9.21	
		For >500, Deduct	.....	-13.12	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	33.79	
		For >10 To 50, Deduct	.....	-1.38	
		For >50 To 100, Deduct	.....	-2.92	
		For >100 To 250, Deduct	.....	-5.83	
		For >250 To 500, Deduct	.....	-10.13	
		For >500, Deduct	.....	-14.42	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	27.08	
		For >10 To 50, Deduct	.....	-1.04	
		For >50 To 100, Deduct	.....	-2.23	
		For >100 To 250, Deduct	.....	-4.46	
		For >250 To 500, Deduct	.....	-7.73	
		For >500, Deduct	.....	-10.99	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	29.52	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.38	
		For >100 To 250, Deduct	.....	-4.76	
		For >250 To 500, Deduct	.....	-8.23	
		For >500, Deduct	.....	-11.70	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	35.61	
		For >10 To 50, Deduct	.....	-1.27	
		For >50 To 100, Deduct	.....	-2.79	
		For >100 To 250, Deduct	.....	-5.58	
		For >250 To 500, Deduct	.....	-9.63	
		For >500, Deduct	.....	-13.69	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	40.56	
		For >10 To 50, Deduct	.....	-1.32	
		For >50 To 100, Deduct	.....	-3.00	
		For >100 To 250, Deduct	.....	-6.00	
		For >250 To 500, Deduct	.....	-10.32	
		For >500, Deduct	.....	-14.64	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	.....	44.04	
		For >10 To 50, Deduct	.....	-1.44	
		For >50 To 100, Deduct	.....	-3.26	
		For >100 To 250, Deduct	.....	-6.52	
		For >250 To 500, Deduct	.....	-11.21	
		For >500, Deduct	.....	-15.91	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0117	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	44.75	
			For >10 To 50, Deduct	-1.50	
			For >50 To 100, Deduct	-3.36	
			For >100 To 250, Deduct	-6.72	
			For >250 To 500, Deduct	-11.58	
			For >500, Deduct	-16.44	
06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)					
06 05 23 00-0119	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.77	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.52	
			For >100 To 250, Deduct	-3.03	
			For >250 To 500, Deduct	-5.29	
			For >500, Deduct	-7.56	
06 05 23 00-0120	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.14	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.52	
			For >100 To 250, Deduct	-3.05	
			For >250 To 500, Deduct	-5.32	
			For >500, Deduct	-7.59	
06 05 23 00-0121	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.55	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.54	
			For >100 To 250, Deduct	-3.07	
			For >250 To 500, Deduct	-5.35	
			For >500, Deduct	-7.64	
06 05 23 00-0122	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.79	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.79	
			For >100 To 250, Deduct	-3.58	
			For >250 To 500, Deduct	-6.23	
			For >500, Deduct	-8.88	
06 05 23 00-0123	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.60	
			For >10 To 50, Deduct	-0.81	
			For >50 To 100, Deduct	-1.65	
			For >100 To 250, Deduct	-3.30	
			For >250 To 500, Deduct	-5.75	
			For >500, Deduct	-8.20	
06 05 23 00-0124	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.36	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.78	
			For >100 To 250, Deduct	-3.56	
			For >250 To 500, Deduct	-6.20	
			For >500, Deduct	-8.84	
06 05 23 00-0125	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.82	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.79	
			For >100 To 250, Deduct	-3.58	
			For >250 To 500, Deduct	-6.23	
			For >500, Deduct	-8.89	
06 05 23 00-0126	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.98	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-2.15	
			For >100 To 250, Deduct	-4.31	
			For >250 To 500, Deduct	-7.49	
			For >500, Deduct	-10.68	
06 05 23 00-0127	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.26	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-2.30	
			For >100 To 250, Deduct	-4.59	
			For >250 To 500, Deduct	-7.98	
			For >500, Deduct	-11.37	
06 05 23 00-0128	EA		3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.41	
			For >10 To 50, Deduct	-1.21	
			For >50 To 100, Deduct	-2.55	
			For >100 To 250, Deduct	-5.09	
			For >250 To 500, Deduct	-8.85	
			For >500, Deduct	-12.61	
06 05 23 00-0129	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.43	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-1.81	
			For >100 To 250, Deduct	-3.61	
			For >250 To 500, Deduct	-6.28	
			For >500, Deduct	-8.95	
06 05 23 00-0130	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.17	
			For >10 To 50, Deduct	-0.92	
			For >50 To 100, Deduct	-1.94	
			For >100 To 250, Deduct	-3.87	
			For >250 To 500, Deduct	-6.73	
			For >500, Deduct	-9.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0131	EA	1/2"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.76	
			For >10 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.06	
			For >100 To 250, Deduct	-4.12	
			For >250 To 500, Deduct	-7.16	
			For >500, Deduct	-10.20	
06 05 23 00-0132	EA	1/2"	Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.00	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-2.31	
			For >100 To 250, Deduct	-4.63	
			For >250 To 500, Deduct	-8.04	
			For >500, Deduct	-11.44	
06 05 23 00-0133	EA	1/2"	Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.53	
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-2.69	
			For >100 To 250, Deduct	-5.37	
			For >250 To 500, Deduct	-9.33	
			For >500, Deduct	-13.28	
06 05 23 00-0134	EA	1/2"	Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.98	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-2.95	
			For >100 To 250, Deduct	-5.89	
			For >250 To 500, Deduct	-10.22	
			For >500, Deduct	-14.54	
06 05 23 00-0135	EA	3/4"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.61	
			For >10 To 50, Deduct	-1.04	
			For >50 To 100, Deduct	-2.32	
			For >100 To 250, Deduct	-4.64	
			For >250 To 500, Deduct	-7.99	
			For >500, Deduct	-11.35	
06 05 23 00-0136	EA	3/4"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.98	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-2.44	
			For >100 To 250, Deduct	-4.88	
			For >250 To 500, Deduct	-8.41	
			For >500, Deduct	-11.94	
06 05 23 00-0137	EA	3/4"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.36	
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-2.83	
			For >100 To 250, Deduct	-5.66	
			For >250 To 500, Deduct	-9.76	
			For >500, Deduct	-13.86	
06 05 23 00-0138	EA	3/4"	Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	40.43	
			For >10 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.00	
			For >100 To 250, Deduct	-5.99	
			For >250 To 500, Deduct	-10.31	
			For >500, Deduct	-14.63	
06 05 23 00-0139	EA	3/4"	Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	46.31	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.31	
			For >100 To 250, Deduct	-6.63	
			For >250 To 500, Deduct	-11.38	
			For >500, Deduct	-16.14	
06 05 23 00-0140	EA	3/4"	Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	49.49	
			For >10 To 50, Deduct	-1.50	
			For >50 To 100, Deduct	-3.48	
			For >100 To 250, Deduct	-6.96	
			For >250 To 500, Deduct	-11.94	
			For >500, Deduct	-16.91	
06 05 23 00-0141			304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0142	EA	1/4"	Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	16.86	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.54	
			For >100 To 250, Deduct	-3.09	
			For >250 To 500, Deduct	-5.38	
			For >500, Deduct	-7.67	
06 05 23 00-0143	EA	1/4"	Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.95	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-3.19	
			For >250 To 500, Deduct	-5.53	
			For >500, Deduct	-7.88	
06 05 23 00-0144	EA	1/4"	Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.32	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.63	
			For >100 To 250, Deduct	-3.26	
			For >250 To 500, Deduct	-5.64	
			For >500, Deduct	-8.01	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.36	
		For >10 To 50, Deduct	-0.86	
		For >50 To 100, Deduct	-2.23	
		For >100 To 250, Deduct	-4.46	
		For >250 To 500, Deduct	-7.55	
		For >500, Deduct	-10.64	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.96	
		For >10 To 50, Deduct	-0.81	
		For >50 To 100, Deduct	-1.71	
		For >100 To 250, Deduct	-3.41	
		For >250 To 500, Deduct	-5.93	
		For >500, Deduct	-8.44	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	24.14	
		For >10 To 50, Deduct	-0.86	
		For >50 To 100, Deduct	-1.90	
		For >100 To 250, Deduct	-3.80	
		For >250 To 500, Deduct	-6.56	
		For >500, Deduct	-9.32	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	24.80	
		For >10 To 50, Deduct	-0.86	
		For >50 To 100, Deduct	-1.91	
		For >100 To 250, Deduct	-3.83	
		For >250 To 500, Deduct	-6.61	
		For >500, Deduct	-9.38	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	50.07	
		For >10 To 50, Deduct	-1.04	
		For >50 To 100, Deduct	-2.81	
		For >100 To 250, Deduct	-5.61	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-13.29	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	62.11	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-3.19	
		For >100 To 250, Deduct	-6.38	
		For >250 To 500, Deduct	-10.67	
		For >500, Deduct	-14.96	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	69.70	
		For >10 To 50, Deduct	-1.21	
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-7.11	
		For >250 To 500, Deduct	-11.87	
		For >500, Deduct	-16.63	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.58	
		For >10 To 50, Deduct	-0.86	
		For >50 To 100, Deduct	-1.96	
		For >100 To 250, Deduct	-3.92	
		For >250 To 500, Deduct	-6.74	
		For >500, Deduct	-9.56	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.65	
		For >10 To 50, Deduct	-0.92	
		For >50 To 100, Deduct	-2.15	
		For >100 To 250, Deduct	-4.29	
		For >250 To 500, Deduct	-7.36	
		For >500, Deduct	-10.43	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	38.15	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.84	
		For >250 To 500, Deduct	-8.24	
		For >500, Deduct	-11.64	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.03	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-3.24	
		For >100 To 250, Deduct	-6.48	
		For >250 To 500, Deduct	-10.81	
		For >500, Deduct	-15.15	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	72.10	
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-3.70	
		For >100 To 250, Deduct	-7.40	
		For >250 To 500, Deduct	-12.37	
		For >500, Deduct	-17.33	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	117.64	
		For >10 To 50, Deduct	-1.38	
		For >50 To 100, Deduct	-5.01	
		For >100 To 250, Deduct	-10.02	
		For >250 To 500, Deduct	-16.42	
		For >500, Deduct	-22.81	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	91.21	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-3.92	
		For >100 To 250, Deduct	-7.84	
		For >250 To 500, Deduct	-12.85	
		For >500, Deduct	-17.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0159 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	131.21 -1.27 -5.18 -10.36 -16.80 -23.25	
06 05 23 00-0160 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	145.98 -1.32 -5.63 -11.27 -18.23 -25.18	
06 05 23 00-0161 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	219.24 -1.44 -7.64 -15.28 -24.35 -33.43	
06 05 23 00-0162 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	230.74 -1.50 -8.01 -16.02 -25.53 -35.04	
06 05 23 00-0163 316 Stainless Steel, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0164 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	26.52 -0.75 -1.78 -3.57 -6.10 -8.63	
06 05 23 00-0165 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	30.19 -0.75 -1.88 -3.75 -6.38 -9.00	
06 05 23 00-0166 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	32.60 -0.81 -2.02 -4.05 -6.88 -9.70	
06 05 23 00-0167 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	38.85 -0.86 -2.27 -4.53 -7.66 -10.79	
06 05 23 00-0168 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	55.19 -0.86 -2.67 -5.35 -8.89 -12.42	
06 05 23 00-0169 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	60.30 -0.92 -2.89 -5.78 -9.59 -13.39	
06 05 23 00-0170 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	65.10 -0.98 -3.09 -6.19 -10.26 -14.33	
06 05 23 00-0171 Hex Lag Bolts (06 05 23 00-0093) Note: Includes drilling of holes in any material.		
06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0173 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	14.66 -0.72 -1.45 -2.89 -5.05 -7.22	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.83	
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.45	
		For >100 To 250, Deduct	-2.90	
		For >250 To 500, Deduct	-5.07	
		For >500, Deduct	-7.24	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.19	
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.46	
		For >100 To 250, Deduct	-2.92	
		For >250 To 500, Deduct	-5.09	
		For >500, Deduct	-7.27	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.20	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-1.58	
		For >100 To 250, Deduct	-3.16	
		For >250 To 500, Deduct	-5.52	
		For >500, Deduct	-7.89	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.67	
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-1.70	
		For >100 To 250, Deduct	-3.40	
		For >250 To 500, Deduct	-5.95	
		For >500, Deduct	-8.49	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.06	
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-1.71	
		For >100 To 250, Deduct	-3.42	
		For >250 To 500, Deduct	-5.97	
		For >500, Deduct	-8.53	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.20	
		For >10 To 50, Deduct	-1.01	
		For >50 To 100, Deduct	-2.07	
		For >100 To 250, Deduct	-4.13	
		For >250 To 500, Deduct	-7.21	
		For >500, Deduct	-10.28	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.54	
		For >10 To 50, Deduct	-1.06	
		For >50 To 100, Deduct	-2.18	
		For >100 To 250, Deduct	-4.37	
		For >250 To 500, Deduct	-7.61	
		For >500, Deduct	-10.86	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.04	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.72	
		For >100 To 250, Deduct	-3.44	
		For >250 To 500, Deduct	-6.01	
		For >500, Deduct	-8.57	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.72	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.85	
		For >100 To 250, Deduct	-3.69	
		For >250 To 500, Deduct	-6.44	
		For >500, Deduct	-9.19	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.57	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.98	
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.89	
		For >500, Deduct	-9.83	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	24.66	
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.22	
		For >100 To 250, Deduct	-4.45	
		For >250 To 500, Deduct	-7.74	
		For >500, Deduct	-11.03	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	29.17	
		For >10 To 50, Deduct	-1.24	
		For >50 To 100, Deduct	-2.59	
		For >100 To 250, Deduct	-5.18	
		For >250 To 500, Deduct	-9.01	
		For >500, Deduct	-12.85	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.83	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.83	
		For >100 To 250, Deduct	-5.65	
		For >250 To 500, Deduct	-9.83	
		For >500, Deduct	-14.01	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	27.01	
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.28	
		For >100 To 250, Deduct	-4.56	
		For >250 To 500, Deduct	-7.92	
		For >500, Deduct	-11.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0188	EA	3/4"	Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	32.44	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-2.67	
			For >100 To 250, Deduct	-5.35	
			For >250 To 500, Deduct	-9.26	
			For >500, Deduct	-13.17	
06 05 23 00-0189	EA	3/4"	Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	36.25	
			For >10 To 50, Deduct	-1.30	
			For >50 To 100, Deduct	-2.85	
			For >100 To 250, Deduct	-5.70	
			For >250 To 500, Deduct	-9.85	
			For >500, Deduct	-14.00	
06 05 23 00-0190	EA	3/4"	Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	40.96	
			For >10 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-6.28	
			For >250 To 500, Deduct	-10.83	
			For >500, Deduct	-15.38	
06 05 23 00-0191	EA	3/4"	Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	46.40	
			For >10 To 50, Deduct	-1.47	
			For >50 To 100, Deduct	-3.36	
			For >100 To 250, Deduct	-6.72	
			For >250 To 500, Deduct	-11.54	
			For >500, Deduct	-16.37	
06 05 23 00-0192			Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0193	EA	1/4"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.74	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.45	
			For >100 To 250, Deduct	-2.89	
			For >250 To 500, Deduct	-5.06	
			For >500, Deduct	-7.23	
06 05 23 00-0194	EA	1/4"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.01	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.45	
			For >100 To 250, Deduct	-2.91	
			For >250 To 500, Deduct	-5.08	
			For >500, Deduct	-7.25	
06 05 23 00-0195	EA	1/4"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.28	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.46	
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-5.10	
			For >500, Deduct	-7.28	
06 05 23 00-0196	EA	3/8"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.35	
			For >10 To 50, Deduct	-0.78	
			For >50 To 100, Deduct	-1.58	
			For >100 To 250, Deduct	-3.17	
			For >250 To 500, Deduct	-5.54	
			For >500, Deduct	-7.90	
06 05 23 00-0197	EA	3/8"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.90	
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-1.71	
			For >100 To 250, Deduct	-3.42	
			For >250 To 500, Deduct	-5.96	
			For >500, Deduct	-8.51	
06 05 23 00-0198	EA	3/8"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.34	
			For >10 To 50, Deduct	-0.84	
			For >50 To 100, Deduct	-1.72	
			For >100 To 250, Deduct	-3.44	
			For >250 To 500, Deduct	-6.00	
			For >500, Deduct	-8.55	
06 05 23 00-0199	EA	3/8"	Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.73	
			For >10 To 50, Deduct	-1.01	
			For >50 To 100, Deduct	-2.08	
			For >100 To 250, Deduct	-4.16	
			For >250 To 500, Deduct	-7.25	
			For >500, Deduct	-10.33	
06 05 23 00-0200	EA	3/8"	Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.42	
			For >10 To 50, Deduct	-1.06	
			For >50 To 100, Deduct	-2.21	
			For >100 To 250, Deduct	-4.41	
			For >250 To 500, Deduct	-7.68	
			For >500, Deduct	-10.95	
06 05 23 00-0201	EA	1/2"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.44	
			For >10 To 50, Deduct	-0.85	
			For >50 To 100, Deduct	-1.73	
			For >100 To 250, Deduct	-3.46	
			For >250 To 500, Deduct	-6.04	
			For >500, Deduct	-8.61	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0202	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.94	
			For >10 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-1.85	
			For >100 To 250, Deduct	-3.70	
			For >250 To 500, Deduct	-6.46	
			For >500, Deduct	-9.21	
06 05 23 00-0203	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.97	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.99	
			For >100 To 250, Deduct	-3.97	
			For >250 To 500, Deduct	-6.92	
			For >500, Deduct	-9.87	
06 05 23 00-0204	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.85	
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.25	
			For >100 To 250, Deduct	-4.51	
			For >250 To 500, Deduct	-7.83	
			For >500, Deduct	-11.15	
06 05 23 00-0205	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.75	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-2.61	
			For >100 To 250, Deduct	-5.21	
			For >250 To 500, Deduct	-9.06	
			For >500, Deduct	-12.90	
06 05 23 00-0206	EA		1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	33.26	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-2.86	
			For >100 To 250, Deduct	-5.72	
			For >250 To 500, Deduct	-9.94	
			For >500, Deduct	-14.15	
06 05 23 00-0207	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	27.89	
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.30	
			For >100 To 250, Deduct	-4.61	
			For >250 To 500, Deduct	-7.98	
			For >500, Deduct	-11.36	
06 05 23 00-0208	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	33.24	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-2.69	
			For >100 To 250, Deduct	-5.39	
			For >250 To 500, Deduct	-9.32	
			For >500, Deduct	-13.25	
06 05 23 00-0209	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.58	
			For >10 To 50, Deduct	-1.30	
			For >50 To 100, Deduct	-2.89	
			For >100 To 250, Deduct	-5.77	
			For >250 To 500, Deduct	-9.95	
			For >500, Deduct	-14.13	
06 05 23 00-0210	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	44.12	
			For >10 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.22	
			For >100 To 250, Deduct	-6.44	
			For >250 To 500, Deduct	-11.06	
			For >500, Deduct	-15.69	
06 05 23 00-0211	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	49.78	
			For >10 To 50, Deduct	-1.47	
			For >50 To 100, Deduct	-3.44	
			For >100 To 250, Deduct	-6.89	
			For >250 To 500, Deduct	-11.80	
			For >500, Deduct	-16.71	
06 05 23 00-0212			304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0213	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.69	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.47	
			For >100 To 250, Deduct	-2.94	
			For >250 To 500, Deduct	-5.13	
			For >500, Deduct	-7.32	
06 05 23 00-0214	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.68	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.50	
			For >100 To 250, Deduct	-2.99	
			For >250 To 500, Deduct	-5.21	
			For >500, Deduct	-7.42	
06 05 23 00-0215	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.34	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.56	
			For >100 To 250, Deduct	-3.12	
			For >250 To 500, Deduct	-5.41	
			For >500, Deduct	-7.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.03		
		For >10 To 50, Deduct	-0.78		
		For >50 To 100, Deduct	-1.65		
		For >100 To 250, Deduct	-3.30		
		For >250 To 500, Deduct	-5.74		
		For >500, Deduct	-8.17		
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.65		
		For >10 To 50, Deduct	-0.84		
		For >50 To 100, Deduct	-1.80		
		For >100 To 250, Deduct	-3.60		
		For >250 To 500, Deduct	-6.24		
		For >500, Deduct	-8.89		
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.35		
		For >10 To 50, Deduct	-0.84		
		For >50 To 100, Deduct	-1.84		
		For >100 To 250, Deduct	-3.69		
		For >250 To 500, Deduct	-6.37		
		For >500, Deduct	-9.06		
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	50.41		
		For >10 To 50, Deduct	-1.01		
		For >50 To 100, Deduct	-2.77		
		For >100 To 250, Deduct	-5.54		
		For >250 To 500, Deduct	-9.32		
		For >500, Deduct	-13.10		
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	72.28		
		For >10 To 50, Deduct	-1.06		
		For >50 To 100, Deduct	-3.40		
		For >100 To 250, Deduct	-6.80		
		For >250 To 500, Deduct	-11.27		
		For >500, Deduct	-15.73		
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.52		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.86		
		For >100 To 250, Deduct	-3.71		
		For >250 To 500, Deduct	-6.42		
		For >500, Deduct	-9.12		
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	28.20		
		For >10 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.06		
		For >100 To 250, Deduct	-4.12		
		For >250 To 500, Deduct	-7.08		
		For >500, Deduct	-10.04		
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	35.47		
		For >10 To 50, Deduct	-0.96		
		For >50 To 100, Deduct	-2.32		
		For >100 To 250, Deduct	-4.65		
		For >250 To 500, Deduct	-7.93		
		For >500, Deduct	-11.22		
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	77.25		
		For >10 To 50, Deduct	-1.07		
		For >50 To 100, Deduct	-3.54		
		For >100 To 250, Deduct	-7.08		
		For >250 To 500, Deduct	-11.68		
		For >500, Deduct	-16.29		
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	106.06		
		For >10 To 50, Deduct	-1.24		
		For >50 To 100, Deduct	-4.51		
		For >100 To 250, Deduct	-9.03		
		For >250 To 500, Deduct	-14.78		
		For >500, Deduct	-20.53		
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	124.28		
		For >10 To 50, Deduct	-1.35		
		For >50 To 100, Deduct	-5.14		
		For >100 To 250, Deduct	-10.27		
		For >250 To 500, Deduct	-16.77		
		For >500, Deduct	-23.26		
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	116.04		
		For >10 To 50, Deduct	-1.07		
		For >50 To 100, Deduct	-4.51		
		For >100 To 250, Deduct	-9.02		
		For >250 To 500, Deduct	-14.59		
		For >500, Deduct	-20.17		
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	132.59		
		For >10 To 50, Deduct	-1.24		
		For >50 To 100, Deduct	-5.18		
		For >100 To 250, Deduct	-10.35		
		For >250 To 500, Deduct	-16.77		
		For >500, Deduct	-23.19		
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	137.94		
		For >10 To 50, Deduct	-1.30		
		For >50 To 100, Deduct	-5.39		
		For >100 To 250, Deduct	-10.79		
		For >250 To 500, Deduct	-17.48		
		For >500, Deduct	-24.17		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0230 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	192.73	
For >10 To 50, Deduct	-1.41	
For >50 To 100, Deduct	-6.93	
For >100 To 250, Deduct	-13.87	
For >250 To 500, Deduct	-22.21	
For >500, Deduct	-30.55	
06 05 23 00-0231 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	210.59	
For >10 To 50, Deduct	-1.47	
For >50 To 100, Deduct	-7.46	
For >100 To 250, Deduct	-14.93	
For >250 To 500, Deduct	-23.86	
For >500, Deduct	-32.79	
06 05 23 00-0232 Stainless Steel Screws (06 05 23 00-0093)		
06 05 23 00-0233 EA #8 x 1-1/2" Stainless Steel Screw.....	2.34	
06 05 23 00-0234 EA #9 x 1-1/2" Stainless Steel Screw.....	2.39	
06 05 23 00-0235 EA #10 x 1-1/2" Stainless Steel Screw.....	2.46	
06 05 23 00-0236 EA #12 x 1-1/2" Stainless Steel Screw.....	2.67	
06 05 23 00-0237 Galvanized Steel Screws (06 05 23 00-0093)		
06 05 23 00-0238 EA #8 x 1-1/2" Galvanized Steel Screw.....	2.12	
06 05 23 00-0239 EA #9 x 1-1/2" Galvanized Steel Screw.....	2.17	
06 05 23 00-0240 EA #10 x 1-1/2" Galvanized Steel Screw.....	2.23	
06 05 23 00-0241 EA #12 x 1-1/2" Galvanized Steel Screw.....	2.41	
06 05 23 00-0242 EA #8 x 2-1/2" Galvanized Steel Screw.....	2.17	
06 05 23 00-0243 EA #9 x 2-1/2" Galvanized Steel Screw.....	2.21	
06 05 23 00-0244 EA #10 x 2-1/2" Galvanized Steel Screw.....	2.28	
06 05 23 00-0245 EA #12 x 2-1/2" Galvanized Steel Screw.....	2.51	
06 05 23 00-0246 Timber Bolts (06 05 23 00-0093)		
Note: Includes drilling of holes in any material.		
06 05 23 00-0247 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	38.56	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.75	
For >100 To 250, Deduct	-5.51	
For >250 To 500, Deduct	-9.45	
For >500, Deduct	-13.40	
06 05 23 00-0248 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	43.61	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-3.09	
For >100 To 250, Deduct	-6.18	
For >250 To 500, Deduct	-10.61	
For >500, Deduct	-15.04	
06 05 23 00-0249 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	47.20	
For >10 To 50, Deduct	-1.42	
For >50 To 100, Deduct	-3.31	
For >100 To 250, Deduct	-6.63	
For >250 To 500, Deduct	-11.36	
For >500, Deduct	-16.10	
06 05 23 00-0250 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	52.88	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-7.15	
For >250 To 500, Deduct	-12.23	
For >500, Deduct	-17.31	
06 05 23 00-0251 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	56.33	
For >10 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.78	
For >100 To 250, Deduct	-7.57	
For >250 To 500, Deduct	-12.94	
For >500, Deduct	-18.31	
06 05 23 00-0252 EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	58.47	
For >10 To 50, Deduct	-1.65	
For >50 To 100, Deduct	-3.94	
For >100 To 250, Deduct	-7.89	
For >250 To 500, Deduct	-13.48	
For >500, Deduct	-19.08	
06 05 23 00-0253 EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	52.67	
For >10 To 50, Deduct	-1.42	
For >50 To 100, Deduct	-3.45	
For >100 To 250, Deduct	-6.90	
For >250 To 500, Deduct	-11.77	
For >500, Deduct	-16.64	
06 05 23 00-0254 EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	55.11	
For >10 To 50, Deduct	-1.48	
For >50 To 100, Deduct	-3.60	
For >100 To 250, Deduct	-7.19	
For >250 To 500, Deduct	-12.27	
For >500, Deduct	-17.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	.....	61.30	
		For >10 To 50, Deduct		-1.57	
		For >50 To 100, Deduct		-3.88	
		For >100 To 250, Deduct		-7.77	
		For >250 To 500, Deduct		-13.22	
		For >500, Deduct		-18.67	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	.....	65.94	
		For >10 To 50, Deduct		-1.65	
		For >50 To 100, Deduct		-4.12	
		For >100 To 250, Deduct		-8.24	
		For >250 To 500, Deduct		-14.01	
		For >500, Deduct		-19.78	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	.....	71.01	
		For >10 To 50, Deduct		-1.73	
		For >50 To 100, Deduct		-4.37	
		For >100 To 250, Deduct		-8.74	
		For >250 To 500, Deduct		-14.84	
		For >500, Deduct		-20.94	
06 05 23 00-0258		Supports (06 05 23)			
06 05 23 00-0259		Shear Plates (06 05 23 00-0258)			
06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	.....	14.95	4.26
		For >10 To 50, Deduct		-0.48	
		For >50 To 100, Deduct		-1.09	
		For >100 To 250, Deduct		-2.19	
		For >250 To 500, Deduct		-3.76	
		For >500, Deduct		-5.33	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	.....	14.50	4.49
		For >10 To 50, Deduct		-0.50	
		For >50 To 100, Deduct		-1.11	
		For >100 To 250, Deduct		-2.23	
		For >250 To 500, Deduct		-3.84	
		For >500, Deduct		-5.45	
06 05 23 00-0262		Sill Anchors (06 05 23 00-0258)			
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	.....	13.04	4.49
		For >10 To 50, Deduct		-0.50	
		For >50 To 100, Deduct		-1.08	
		For >100 To 250, Deduct		-2.15	
		For >250 To 500, Deduct		-3.73	
		For >500, Deduct		-5.30	
06 05 23 00-0264		Spike Grids (06 05 23 00-0258)			
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	.....	11.72	4.26
		For >10 To 50, Deduct		-0.48	
		For >50 To 100, Deduct		-1.01	
		For >100 To 250, Deduct		-2.02	
		For >250 To 500, Deduct		-3.52	
		For >500, Deduct		-5.01	
06 05 23 00-0266		Split Rings (06 05 23 00-0258)			
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	.....	15.13	4.26
		For >10 To 50, Deduct		-0.48	
		For >50 To 100, Deduct		-1.10	
		For >100 To 250, Deduct		-2.20	
		For >250 To 500, Deduct		-3.77	
		For >500, Deduct		-5.35	
06 05 23 00-0268	EA	4" Diameter Split Ring	.....	16.30	4.72
		For >10 To 50, Deduct		-0.52	
		For >50 To 100, Deduct		-1.19	
		For >100 To 250, Deduct		-2.38	
		For >250 To 500, Deduct		-4.10	
		For >500, Deduct		-5.81	
06 05 23 00-0269		Toothed Rings (06 05 23 00-0258)			
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	.....	12.37	4.26
		For >10 To 50, Deduct		-0.48	
		For >50 To 100, Deduct		-1.03	
		For >100 To 250, Deduct		-2.06	
		For >250 To 500, Deduct		-3.57	
		For >500, Deduct		-5.07	
06 05 23 00-0271		Straps And Shields (06 05 23)			
06 05 23 00-0272		Shield Plate (06 05 23 00-0271)			

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0273	EA		5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	10.05	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.11	
			For >500, Deduct	-1.67	
06 05 23 00-0274	EA		5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	16.24	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.65	
			For >500, Deduct	-2.42	
06 05 23 00-0275 Strap Ties (06 05 23 00-0271)					
06 05 23 00-0276	EA		1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.62	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.15	
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.56	
			For >500, Deduct	-0.89	
06 05 23 00-0277	EA		1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.72	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.15	
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.90	
06 05 23 00-0278	EA		1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.76	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.72	
			For >500, Deduct	-1.14	
06 05 23 00-0279	EA		1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	4.98	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.16	
06 05 23 00-0280	EA		1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.19	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.75	
			For >500, Deduct	-1.18	
06 05 23 00-0281	EA		1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	5.93	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.39	
06 05 23 00-0282	EA		1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	7.92	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.28	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.59	
06 05 23 00-0283	EA		1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	9.18	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.19	
			For >500, Deduct	-1.84	
06 05 23 00-0284	EA		1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A9)	4.06	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.59	
			For >500, Deduct	-0.94	
06 05 23 00-0285	EA		1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A12)	4.23	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.60	
			For >500, Deduct	-0.95	
06 05 23 00-0286	EA		1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A15)	5.39	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-1.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0287	EA	1-1/4"	Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18).....	5.65	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.23	
06 05 23 00-0288	EA	1-1/4"	Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21).....	5.78	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-1.24	
06 05 23 00-0289	EA	1-1/4"	Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24).....	6.56	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.45	
06 05 23 00-0290	EA	1-1/4"	Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30).....	8.34	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.06	
			For >500, Deduct	-1.63	
06 05 23 00-0291	EA	1-1/4"	Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36).....	9.19	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.19	
			For >500, Deduct	-1.85	
06 05 23 00-0292	EA	1-1/4"	Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49).....	14.90	
			For >10 To 50, Deduct	-0.12	
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.69	
			For >500, Deduct	-2.55	
06 05 23 00-0293	EA	1-1/4"	Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.89	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-1.02	
06 05 23 00-0294	EA	1-1/4"	Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.90	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.66	
			For >500, Deduct	-1.02	
06 05 23 00-0295	EA	1-1/4"	Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.94	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-1.26	
06 05 23 00-0296	EA	1-1/4"	Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	8.34	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.06	
			For >500, Deduct	-1.63	
06 05 23 00-0297	EA	1-3/8"	Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	7.26	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.83	
			For >500, Deduct	-1.26	
06 05 23 00-0298	EA	1-3/8"	Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8).....	8.06	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.89	
			For >500, Deduct	-1.34	
06 05 23 00-0299	EA	1-3/8"	Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12).....	10.60	
			For >10 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.16	
			For >500, Deduct	-1.72	
06 05 23 00-0300	EA	2-1/16"	Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	15.95	
			For >10 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.63	
			For >500, Deduct	-2.39	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	19.93	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.60	
		For >100 To 250, Deduct	-1.20	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.92	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	29.79	
		For >10 To 50, Deduct	-0.12	
		For >50 To 100, Deduct	-0.86	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.81	
		For >500, Deduct	-4.04	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	52.48	
		For >10 To 50, Deduct	-0.13	
		For >50 To 100, Deduct	-1.44	
		For >100 To 250, Deduct	-2.88	
		For >250 To 500, Deduct	-4.58	
		For >500, Deduct	-6.44	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	67.85	
		For >10 To 50, Deduct	-0.14	
		For >50 To 100, Deduct	-1.84	
		For >100 To 250, Deduct	-3.68	
		For >250 To 500, Deduct	-5.81	
		For >500, Deduct	-8.11	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	19.17	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.57	
		For >100 To 250, Deduct	-1.13	
		For >250 To 500, Deduct	-1.87	
		For >500, Deduct	-2.71	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	24.84	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.72	
		For >100 To 250, Deduct	-1.44	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-3.41	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	29.02	
		For >10 To 50, Deduct	-0.12	
		For >50 To 100, Deduct	-0.84	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.96	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	44.57	
		For >10 To 50, Deduct	-0.13	
		For >50 To 100, Deduct	-1.24	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.99	
		For >500, Deduct	-5.65	
06 05 23 00-0309 Twist Strap Ties (06 05 23 00-0271)				
06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.32	
		For >10 To 50, Deduct	-0.06	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.33	
		For >250 To 500, Deduct	-0.61	
		For >500, Deduct	-0.96	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.49	
		For >10 To 50, Deduct	-0.06	
		For >50 To 100, Deduct	-0.20	
		For >100 To 250, Deduct	-0.40	
		For >250 To 500, Deduct	-0.74	
		For >500, Deduct	-1.14	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	6.36	
		For >10 To 50, Deduct	-0.07	
		For >50 To 100, Deduct	-0.23	
		For >100 To 250, Deduct	-0.46	
		For >250 To 500, Deduct	-0.84	
		For >500, Deduct	-1.30	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.87	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.91	
		For >500, Deduct	-1.41	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.26	
		For >10 To 50, Deduct	-0.06	
		For >50 To 100, Deduct	-0.16	
		For >100 To 250, Deduct	-0.33	
		For >250 To 500, Deduct	-0.61	
		For >500, Deduct	-0.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	5.59		
		For >10 To 50, Deduct	-0.06		
		For >50 To 100, Deduct	-0.20		
		For >100 To 250, Deduct	-0.41		
		For >250 To 500, Deduct	-0.74		
		For >500, Deduct	-1.15		
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	6.53		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.24		
		For >100 To 250, Deduct	-0.47		
		For >250 To 500, Deduct	-0.85		
		For >500, Deduct	-1.32		
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	6.93		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.25		
		For >100 To 250, Deduct	-0.50		
		For >250 To 500, Deduct	-0.91		
		For >500, Deduct	-1.42		
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	9.67		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.33		
		For >100 To 250, Deduct	-0.66		
		For >250 To 500, Deduct	-1.16		
		For >500, Deduct	-1.76		
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	7.40		
		For >10 To 50, Deduct	-0.06		
		For >50 To 100, Deduct	-0.25		
		For >100 To 250, Deduct	-0.50		
		For >250 To 500, Deduct	-0.88		
		For >500, Deduct	-1.34		
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.84		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.30		
		For >100 To 250, Deduct	-0.60		
		For >250 To 500, Deduct	-1.06		
		For >500, Deduct	-1.61		
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	10.33		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.34		
		For >100 To 250, Deduct	-0.69		
		For >250 To 500, Deduct	-1.21		
		For >500, Deduct	-1.83		
06 05 23 00-0322	Retrofit Plate Strap (06 05 23 00-0271)				
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.35		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.26		
		For >100 To 250, Deduct	-0.51		
		For >250 To 500, Deduct	-0.91		
		For >500, Deduct	-1.40		
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	8.50		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.28		
		For >100 To 250, Deduct	-0.57		
		For >250 To 500, Deduct	-1.00		
		For >500, Deduct	-1.51		
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	10.33		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.33		
		For >100 To 250, Deduct	-0.66		
		For >250 To 500, Deduct	-1.13		
		For >500, Deduct	-1.70		
06 05 23 00-0326	Stud Shoe (06 05 23 00-0271)				
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	12.89		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.41		
		For >100 To 250, Deduct	-0.82		
		For >250 To 500, Deduct	-1.40		
		For >500, Deduct	-2.08		
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	26.31		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.74		
		For >100 To 250, Deduct	-1.49		
		For >250 To 500, Deduct	-2.40		
		For >500, Deduct	-3.42		
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	26.43		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.75		
		For >100 To 250, Deduct	-1.49		
		For >250 To 500, Deduct	-2.41		
		For >500, Deduct	-3.44		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0330 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	35.76	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.98	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-4.37	
06 05 23 00-0331 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	33.54	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.92	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.95	
For >500, Deduct	-4.15	
06 05 23 00-0332 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	36.42	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-1.00	
For >100 To 250, Deduct	-1.99	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-4.44	
06 05 23 00-0333 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	38.61	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-1.05	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-3.33	
For >500, Deduct	-4.65	
06 05 23 00-0334 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	58.85	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-1.56	
For >100 To 250, Deduct	-3.12	
For >250 To 500, Deduct	-4.85	
For >500, Deduct	-6.68	
06 05 23 00-0335 Nail Stops (06 05 23 00-0271)		
06 05 23 00-0336 EA 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.28	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.86	
06 05 23 00-0337 EA 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	3.46	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.88	
06 05 73 Wood Treatment (06 05)		
06 05 73 13 Fire-Retardant Wood Treatment (06 05 73)		
06 05 73 13-0001 Preservative Treated Lumber (06 05 73 13)		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber	814.90	
06 05 73 33 Preservative Wood Treatment (06 05 73)		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses (06 05 73 33)		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber	141.23	
06 10 Rough Carpentry (06)		
06 11 Wood Framing (06 10)		
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.		
06 11 13 Engineered Wood Products (06 11)		
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.		
06 11 13 00-0001 Built-Up Members (06 11 13)		
Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)		
06 11 13 00-0003 LF Two 2" x 6" Built-up Wood Beam Or Joist	4.76	1.97
For Each Additional 2" x_ " In The Built Up Member, Add	0.87	
06 11 13 00-0004 LF Two 2" x 8" Built-up Wood Beam Or Joist	5.93	2.32
For Each Additional 2" x_ " In The Built Up Member, Add	1.23	



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Wood Framing			06 11	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist..... For Each Additional 2" x_ " In The Built Up Member, Add	7.61 1.72		2.78
06 11 13 00-0006		Built-Up Posts (06 11 13 00-0001)			
06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post..... For Each Additional 2" x_ " In The Built Up Member, Add	4.76 0.87		1.97
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post..... For Each Additional 2" x_ " In The Built Up Member, Add	5.93 1.23		2.32
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post..... For Each Additional 2" x_ " In The Built Up Member, Add	7.61 1.72		2.78
06 11 16		Mechanically Graded Lumber (06 11)			
06 11 16 00-0001		Rafters And Joists (06 11 16)			
06 11 16 00-0002		Rafters (06 11 16 00-0001) Note: An inclined roof framing member to which a roof covering is attached.			
06 11 16 00-0003	LF	2" x 6" Wood Rafter	2.73		1.39
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.20		1.50
06 11 16 00-0005	LF	2" x 10" Wood Rafter	4.61		2.20
06 11 16 00-0006	LF	2" x 12" Wood Rafter	5.31		2.44
06 11 16 00-0007	LF	2" x 14" Wood Rafter	5.77		2.66
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	3.18		1.39
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	3.83		1.50
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	5.20		2.20
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	6.24		2.44
06 11 16 00-0012		Joists (06 11 16 00-0001) Note: A series of parallel beams to support floors or ceilings.			
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.37		1.16
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.97		1.28
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	3.79		1.63
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	4.51		1.86
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	4.96		1.97
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.82		1.16
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	3.60		1.28
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	4.38		1.63
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	5.44		1.86
06 11 16 00-0022		Purlins (06 11 16 00-0001) Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.			
06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.91		0.69
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.40		0.76
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.91		0.84
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	3.57		0.92
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.18		0.69
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.85		0.76
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.54		0.84
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	4.16		0.92
06 11 16 00-0031		Exposed Rafters Or Joists (06 11 16 00-0001)			
06 11 16 00-0032		Redwood Rafters Or Joists (06 11 16 00-0031)			
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.64		1.16
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.45		1.28
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	5.55		1.63
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	6.74		1.86
06 11 16 00-0037		Cedar Rafters Or Joists (06 11 16 00-0031)			
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist.....	2.38		1.16
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist.....	2.68		1.28
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist.....	3.07		1.63
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist.....	3.49		1.86
06 11 16 00-0042		Oak Rafters Or Joists (06 11 16 00-0031)			
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist.....	2.90		1.16
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist.....	3.99		1.28
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist.....	5.18		1.63
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist.....	6.39		1.86
06 11 16 00-0047		Framing (06 11 16)			
06 11 16 00-0048		Partition Framing (06 11 16 00-0047)			
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.85		0.92

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.26	0.99	
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.68	1.05	
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.12	0.92	
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.71	0.99	
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.31	1.05	
06 11 16 00-0055		Wall Framing Assemblies By The SF (06 11 16 00-0047)			
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.					
06 11 16 00-0056		Wall Framing By The SF, 12" On Center (06 11 16 00-0055)			
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly.....	2.40	1.12	
		For Up To 200, Add	0.81		
		For >200 To 500, Add	0.41		
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly.....	3.24	1.43	
		For Up To 200, Add	1.07		
		For >200 To 500, Add	0.54		
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly.....	4.31	1.92	
		For Up To 200, Add	1.43		
		For >200 To 500, Add	0.71		
06 11 16 00-0060		Wall Framing By The SF, 16" On Center (06 11 16 00-0055)			
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly.....	1.96	0.90	
		For Up To 200, Add	0.66		
		For >200 To 500, Add	0.33		
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly.....	2.69	1.20	
		For Up To 200, Add	0.89		
		For >200 To 500, Add	0.45		
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly.....	3.59	1.59	
		For Up To 200, Add	1.19		
		For >200 To 500, Add	0.60		
06 11 16 00-0064		Wall Framing By The SF, 24" On Center (06 11 16 00-0055)			
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly.....	1.54	0.71	
		For Up To 200, Add	0.52		
		For >200 To 500, Add	0.26		
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly.....	2.10	0.93	
		For Up To 200, Add	0.69		
		For >200 To 500, Add	0.35		
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly.....	2.82	1.24	
		For Up To 200, Add	0.93		
		For >200 To 500, Add	0.47		
06 11 16 00-0068		Sills And Plates (06 11 16)			
06 11 16 00-0069		Sills (06 11 16 00-0068)			
Note: A horizontal member which rests on and is attached to the foundation.					
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.12	1.74	
06 11 16 00-0071	LF	2" x 6" Wood Sill	3.77	1.97	
06 11 16 00-0072	LF	2" x 8" Wood Sill	4.50	2.20	
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill.....	3.39	1.74	
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill.....	4.22	1.97	
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill.....	5.13	2.20	
06 11 16 00-0076		Plates (06 11 16 00-0068)			
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.					
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.12	1.74	
06 11 16 00-0078	LF	2" x 6" Wood Plate	3.77	1.97	
06 11 16 00-0079	LF	2" x 8" Wood Plate	4.47	2.20	
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.39	1.74	
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.22	1.97	
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	5.10	2.20	
06 11 16 00-0083		Sills And Plates From Redwood (06 11 16 00-0068)			
06 11 16 00-0084		Construction Grade/Rough (06 11 16 00-0083)			
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough.....	6.33	1.97	
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough.....	8.51	2.20	
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough.....	10.36	2.44	
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough.....	12.51	2.66	
06 11 16 00-0089		Con Heart/Smooth (06 11 16 00-0083)			
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth.....	7.80	1.97	
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth.....	10.71	2.20	



Wood, Plastics, and Composites			06
Rough Carpentry			06 10
Wood Framing			06 11

06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0092	LF		2" x 10" Redwood, Con Heart/Smooth.....	14.08	2.44
06 11 16 00-0093	LF		2" x 12" Redwood, Con Heart/Smooth.....	16.93	2.66
06 11 16 00-0094			Suspended Ceiling Framing (06 11 16)		
06 11 16 00-0095	LF		1" x 2" Wood Suspended Ceiling Framing.....	2.56	1.50
06 11 16 00-0096	LF		1" x 3" Wood Suspended Ceiling Framing.....	2.80	1.63
06 11 16 00-0097	LF		1" x 4" Wood Suspended Ceiling Framing.....	2.93	1.74
06 11 16 00-0098	LF		2" x 2" Wood Suspended Ceiling Framing.....	3.02	1.74
06 11 16 00-0099	LF		2" x 4" Wood Suspended Ceiling Framing.....	3.59	1.97
06 11 16 00-0100	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.79	1.50
06 11 16 00-0101	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	2.81	1.63
06 11 16 00-0102	LF		1" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	3.09	1.74
06 11 16 00-0103	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.26	1.74
06 11 16 00-0104	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	3.81	1.97
06 11 16 00-0105			Posts And Girts (06 11 16)		
06 11 16 00-0106			Posts (06 11 16 00-0105) Note: A vertical, upright framing member.		
06 11 16 00-0107	LF		4" x 4" Wood Post.....	4.59	2.20
06 11 16 00-0108	LF		4" x 5" Wood Post.....	5.23	2.55
06 11 16 00-0109	LF		4" x 6" Wood Post.....	5.78	2.78
06 11 16 00-0110	LF		6" x 6" Wood Post.....	6.41	3.02
06 11 16 00-0111	LF		8" x 8" Wood Post.....	7.07	3.13
06 11 16 00-0112	LF		10" x 10" Wood Post.....	7.72	3.60
06 11 16 00-0113	LF		4" x 4" Pressure Treated Wood Post.....	6.27	2.20
06 11 16 00-0114	LF		3" x 6" Pressure Treated Wood Post.....	7.22	2.78
06 11 16 00-0115	LF		4" x 6" Pressure Treated Wood Post.....	8.86	2.78
06 11 16 00-0116	LF		6" x 6" Pressure Treated Wood Post.....	12.48	3.02
06 11 16 00-0117			Girts (06 11 16 00-0105) Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF		2" x 4" Wood Girt.....	2.19	0.83
06 11 16 00-0119	LF		2" x 6" Wood Girt.....	2.70	0.91
06 11 16 00-0120	LF		2" x 8" Wood Girt.....	3.25	1.01
06 11 16 00-0121	LF		2" x 10" Wood Girt.....	3.93	1.12
06 11 16 00-0122	LF		4" x 4" Wood Girt.....	4.44	1.67
06 11 16 00-0123	LF		4" x 5" Wood Girt.....	5.10	1.88
06 11 16 00-0124	LF		4" x 6" Wood Girt.....	5.75	2.08
06 11 16 00-0125	LF		6" x 6" Wood Girt.....	6.39	2.30
06 11 16 00-0126	LF		8" x 8" Wood Girt.....	7.05	2.50
06 11 16 00-0127	LF		10" x 10" Wood Girt.....	7.70	2.72
06 11 16 00-0128	LF		2" x 4" Pressure Treated Wood Girt.....	2.46	0.83
06 11 16 00-0129	LF		2" x 6" Pressure Treated Wood Girt.....	3.15	0.91
06 11 16 00-0130	LF		2" x 8" Pressure Treated Wood Girt.....	3.88	1.01
06 11 16 00-0131	LF		2" x 10" Pressure Treated Wood Girt.....	4.52	1.12
06 11 16 00-0132	LF		4" x 4" Pressure Treated Wood Girt.....	6.27	1.67
06 11 16 00-0133	LF		3" x 6" Pressure Treated Wood Girt.....	7.22	2.08
06 11 16 00-0134	LF		4" x 6" Pressure Treated Wood Girt.....	8.86	2.08
06 11 16 00-0135	LF		6" x 6" Pressure Treated Wood Girt.....	12.48	2.30
06 11 16 00-0136			Construction Grade/Rough Redwood Posts (06 11 16 00-0105)		
06 11 16 00-0137	LF		4" x 4" Redwood, Construction Grade/Rough Post.....	9.97	2.20
			For Smooth "Clear", Add	1.33	
06 11 16 00-0138	LF		4" x 5" Redwood, Construction Grade/Rough Post.....	12.03	2.55
			For Smooth "Clear", Add	1.66	
06 11 16 00-0139	LF		4" x 6" Redwood, Construction Grade/Rough Post.....	14.14	2.78
			For Smooth "Clear", Add	1.99	
06 11 16 00-0140	LF		4" x 8" Redwood, Construction Grade/Rough Post.....	17.64	2.86
			For Smooth "Clear", Add	2.66	
06 11 16 00-0141	LF		4" x 10" Redwood, Construction Grade/Rough Post.....	21.22	3.05
			For Smooth "Clear", Add	3.32	
06 11 16 00-0142	LF		6" x 6" Redwood, Construction Grade/Rough Post.....	19.53	3.02
			For Smooth "Clear", Add	2.99	
06 11 16 00-0143	LF		6" x 8" Redwood, Construction Grade/Rough Post.....	24.69	3.13
			For Smooth "Clear", Add	3.98	
06 11 16 00-0144	LF		6" x 10" Redwood, Construction Grade/Rough Post.....	29.80	2.94
			For Smooth "Clear", Add	4.98	
06 11 16 00-0145	LF		8" x 8" Redwood, Construction Grade/Rough Post.....	31.58	3.13
			For Smooth "Clear", Add	5.31	
06 11 16 00-0146			Stair Stringers (06 11 16)		
06 11 16 00-0147	LF		2" x 10" Wood Stair Stringer.....	8.64	4.63
06 11 16 00-0148	LF		2" x 12" Wood Stair Stringer.....	10.22	5.45
06 11 16 00-0149	LF		2" x 10" Pressure Treated Wood Stair Stringer.....	9.26	4.63
06 11 16 00-0150	LF		2" x 12" Pressure Treated Wood Stair Stringer.....	11.12	5.45

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0151		Blocking And Sleepers (06 11 16)		
06 11 16 00-0152		Blocking (06 11 16 00-0151)		
06 11 16 00-0153		Blocking To Wood (06 11 16 00-0152)		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood.....	6.71	2.78
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood.....	8.04	3.07
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood.....	9.20	3.37
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood.....	10.72	3.71
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood.....	13.07	4.07
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood.....	6.09	2.78
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood.....	7.00	3.07
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood.....	7.97	3.37
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood.....	8.68	3.71
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood.....	9.76	4.07
06 11 16 00-0164		Blocking To Steel (06 11 16 00-0152)		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel.....	7.67	3.21
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel.....	9.15	3.53
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....	10.46	3.88
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel.....	6.98	3.21
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel.....	8.01	3.53
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel.....	9.11	3.88
06 11 16 00-0171		Blocking To Concrete (06 11 16 00-0152)		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete.....	7.67	3.21
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete.....	9.15	3.53
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete.....	10.46	3.88
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete.....	6.98	3.21
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete.....	8.01	3.53
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete.....	9.11	3.88
06 11 16 00-0178		Pressure Treated Lattice (06 11 16 00-0151)		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice.....	7.08	2.44
06 11 16 00-0180		Sleepers (06 11 16 00-0151)		
06 11 16 00-0181		Sleepers To Wood (06 11 16 00-0180)		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood.....	1.28	0.41
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood.....	1.29	0.47
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood.....	1.55	0.52
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood.....	2.42	0.64
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood.....	3.30	0.70
06 11 16 00-0187		Sleepers To Concrete (06 11 16 00-0180)		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete.....	1.33	0.41
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete.....	1.33	0.47
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete.....	1.60	0.52
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete.....	2.54	0.64
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete.....	3.49	0.70
06 11 16 00-0193		Roofing Nailers (06 11 16)		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.45	0.92
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	4.10	0.99
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	4.76	1.05
06 11 16 00-0197		Roofing Sleepers (06 11 16)		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.66	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	4.62	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	6.76	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	10.21	
06 11 16 00-0202		Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0203		Wood And Steel Bridging (06 11 16 00-0202)		
06 11 16 00-0204		Wood Bridging (06 11 16 00-0203)		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type..... Note: For joists spaced at 16" on center.	9.37	4.06
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type..... Note: For joists spaced at 16" on center.	9.65	4.06



Wood, Plastics, and Composites			06
Rough Carpentry			06 10
Wood Framing			06 11

06

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0207 Steel Bridging (06 11 16 00-0203)					
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	11.26	4.06	
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	11.23	4.06	
06 11 16 00-0210 Light Framing, Trim And Furring (06 11 16 00-0202)					
06 11 16 00-0211 Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.06	0.95	
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.32	1.05	
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.68	1.15	
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.98	1.26	
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.31	1.39	
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.66	1.53	
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.00	1.26	
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.35	1.39	
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.93	1.53	
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	4.59	1.68	
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	5.41	1.86	
06 11 16 00-0223 Cedar Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.09	0.95	
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.46	1.05	
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.24	1.15	
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	3.93	1.26	
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	5.80	1.39	
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	6.84	1.53	
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.36	1.26	
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	3.89	1.39	
06 11 16 00-0232 Oak Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.10	0.95	
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.48	1.05	
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	3.10	1.15	
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	3.72	1.26	
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	4.37	1.39	
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	5.05	1.53	
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.33	1.26	
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	4.38	1.39	
06 11 16 00-0241 Redwood Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.04	0.95	
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.37	1.05	
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	2.90	1.15	
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.49	1.26	
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.12	1.39	
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	4.82	1.53	
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	3.50	1.26	
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.15	1.39	
06 11 16 00-0250 Poplar Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.38	0.95	
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	2.90	1.05	
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	3.65	1.15	
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	4.64	1.26	
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	5.38	1.39	
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.08	1.53	
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	7.66	1.53	
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.07	1.26	
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	6.80	1.39	
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.08	1.53	
06 11 16 00-0261 Maple Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	4.54	1.15	
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	6.02	1.26	
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	7.54	1.39	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 13 Heavy Timber Construction (06 10)**06 13 23 Heavy Timber Framing** (06 13)

06 13 23 00-0001 Heavy Timber Framing (06 13 23)
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)**06 13 23 00-0003 Pine, Heavy Timber Beams** (06 13 23 00-0002)

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	6.47	2.06
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	7.83	2.14
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	9.17	2.23
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	11.91	2.38
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	14.14	2.52
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	9.89	2.32
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	11.88	2.44
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	15.95	2.61
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	18.97	2.66
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	14.47	2.52
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	19.53	2.61
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	23.61	2.66
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	23.32	2.66
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	28.54	2.90
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	33.66	3.19
06 13 23 00-0019	BF	>12" To 16" Pine, Heavy Timber Beam.....	2.80	0.26

Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.

06 13 23 00-0020 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0021	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	6.71	2.06
06 13 23 00-0022	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	8.18	2.14
06 13 23 00-0023	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	9.65	2.23
06 13 23 00-0024	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	12.62	2.38
06 13 23 00-0025	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	15.04	2.52
06 13 23 00-0026	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	10.42	2.32
06 13 23 00-0027	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	12.57	2.44
06 13 23 00-0028	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	17.01	2.61
06 13 23 00-0029	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	20.34	2.66
06 13 23 00-0030	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	15.41	2.52
06 13 23 00-0031	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	20.96	2.61
06 13 23 00-0032	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	25.43	2.66
06 13 23 00-0033	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	25.10	2.66
06 13 23 00-0034	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	30.79	2.90
06 13 23 00-0035	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	36.38	3.19
06 13 23 00-0036	BF	>12" To 16" Douglas Fir, Heavy Timber Beam.....	3.03	0.26

Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.

06 13 23 00-0037 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0038	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	7.05	2.06
06 13 23 00-0039	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	8.97	2.14
06 13 23 00-0040	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	10.64	2.23
06 13 23 00-0041	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	14.11	2.38
06 13 23 00-0042	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	16.93	2.52
06 13 23 00-0043	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	12.48	2.32
06 13 23 00-0044	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	15.36	2.44
06 13 23 00-0045	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	18.45	2.61
06 13 23 00-0046	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	22.72	2.66
06 13 23 00-0047	LF	8" x 8", Pressure Treated, Heavy Timber Beam.....	22.96	2.52
06 13 23 00-0048	LF	8" x 10", Pressure Treated, Heavy Timber Beam.....	26.71	2.61
06 13 23 00-0049	LF	8" x 12", Pressure Treated, Heavy Timber Beam.....	31.51	2.66
06 13 23 00-0050	LF	10" x 10", Pressure Treated, Heavy Timber Beam.....	31.64	2.66
06 13 23 00-0051	LF	10" x 12", Pressure Treated, Heavy Timber Beam.....	41.99	2.90
06 13 23 00-0052	LF	12" x 12", Pressure Treated, Heavy Timber Beam.....	49.82	3.19
06 13 23 00-0053	BF	>12" To 16" Pressure Treated, Heavy Timber Beam.....	4.15	0.26

Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.

06 13 23 00-0054 Heavy Timber Columns (06 13 23 00-0001)**06 13 23 00-0055 Pine, Heavy Timber Columns** (06 13 23 00-0054)

06 13 23 00-0056	LF	4" x 4", Pine, Heavy Timber Column.....	4.52	1.09
06 13 23 00-0057	LF	4" x 6", Pine, Heavy Timber Column.....	5.83	1.15
06 13 23 00-0058	LF	4" x 8", Pine, Heavy Timber Column.....	7.06	1.18
06 13 23 00-0059	LF	4" x 10", Pine, Heavy Timber Column.....	9.66	1.25
06 13 23 00-0060	LF	4" x 12", Pine, Heavy Timber Column.....	11.75	1.33
06 13 23 00-0061	LF	6" x 6", Pine, Heavy Timber Column.....	7.72	1.21
06 13 23 00-0062	LF	6" x 8", Pine, Heavy Timber Column.....	9.61	1.26
06 13 23 00-0063	LF	6" x 10", Pine, Heavy Timber Column.....	13.48	1.37
06 13 23 00-0064	LF	6" x 12", Pine, Heavy Timber Column.....	16.44	1.40
06 13 23 00-0065	LF	8" x 8", Pine, Heavy Timber Column.....	12.08	1.33



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Heavy Timber Construction			06 13	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0066	LF	8" x 10", Pine, Heavy Timber Column.....	17.06	1.37	
06 13 23 00-0067	LF	8" x 12", Pine, Heavy Timber Column.....	21.03	1.43	
06 13 23 00-0068	LF	10" x 10", Pine, Heavy Timber Column.....	20.75	1.43	
06 13 23 00-0069	LF	10" x 12", Pine, Heavy Timber Column.....	25.79	1.52	
06 13 23 00-0070	LF	12" x 12", Pine, Heavy Timber Column.....	30.63	1.68	
06 13 23 00-0071	BF	>12" To 16" Pine, Heavy Timber Column..... Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	2.55	0.14	
06 13 23 00-0072 Douglas Fir, Heavy Timber Columns (06 13 23 00-0054)					
06 13 23 00-0073	LF	4" x 4", Douglas Fir, Heavy Timber Column.....	4.76	1.09	
06 13 23 00-0074	LF	4" x 6", Douglas Fir, Heavy Timber Column.....	6.18	1.15	
06 13 23 00-0075	LF	4" x 8", Douglas Fir, Heavy Timber Column.....	7.54	1.18	
06 13 23 00-0076	LF	4" x 10", Douglas Fir, Heavy Timber Column.....	10.37	1.25	
06 13 23 00-0077	LF	4" x 12", Douglas Fir, Heavy Timber Column.....	12.65	1.33	
06 13 23 00-0078	LF	6" x 6", Douglas Fir, Heavy Timber Column.....	8.25	1.21	
06 13 23 00-0079	LF	6" x 8", Douglas Fir, Heavy Timber Column.....	10.30	1.26	
06 13 23 00-0080	LF	6" x 10", Douglas Fir, Heavy Timber Column.....	14.54	1.37	
06 13 23 00-0081	LF	6" x 12", Douglas Fir, Heavy Timber Column.....	17.81	1.40	
06 13 23 00-0082	LF	8" x 8", Douglas Fir, Heavy Timber Column.....	13.02	1.33	
06 13 23 00-0083	LF	8" x 10", Douglas Fir, Heavy Timber Column.....	18.49	1.37	
06 13 23 00-0084	LF	8" x 12", Douglas Fir, Heavy Timber Column.....	22.85	1.43	
06 13 23 00-0085	LF	10" x 10", Douglas Fir, Heavy Timber Column.....	22.53	1.43	
06 13 23 00-0086	LF	10" x 12", Douglas Fir, Heavy Timber Column.....	28.04	1.52	
06 13 23 00-0087	LF	12" x 12", Douglas Fir, Heavy Timber Column.....	33.35	1.68	
06 13 23 00-0088	BF	>12" To 16" Douglas Fir, Heavy Timber Column..... Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	2.78	0.14	
06 13 23 00-0089 Pressure Treated, Heavy Timber Columns (06 13 23 00-0054)					
06 13 23 00-0090	LF	4" x 4", Pressure Treated, Heavy Timber Column.....	5.10	1.09	
06 13 23 00-0091	LF	4" x 6", Pressure Treated, Heavy Timber Column.....	6.97	1.15	
06 13 23 00-0092	LF	4" x 8", Pressure Treated, Heavy Timber Column.....	8.53	1.18	
06 13 23 00-0093	LF	4" x 10", Pressure Treated, Heavy Timber Column.....	11.86	1.25	
06 13 23 00-0094	LF	4" x 12", Pressure Treated, Heavy Timber Column.....	14.54	1.33	
06 13 23 00-0095	LF	6" x 6", Pressure Treated, Heavy Timber Column.....	10.31	1.21	
06 13 23 00-0096	LF	6" x 8", Pressure Treated, Heavy Timber Column.....	13.09	1.26	
06 13 23 00-0097	LF	6" x 10", Pressure Treated, Heavy Timber Column.....	15.98	1.37	
06 13 23 00-0098	LF	6" x 12", Pressure Treated, Heavy Timber Column.....	20.19	1.40	
06 13 23 00-0099	LF	8" x 8", Pressure Treated, Heavy Timber Column.....	20.57	1.33	
06 13 23 00-0100	LF	8" x 10", Pressure Treated, Heavy Timber Column.....	24.24	1.37	
06 13 23 00-0101	LF	8" x 12", Pressure Treated, Heavy Timber Column.....	28.93	1.43	
06 13 23 00-0102	LF	10" x 10", Pressure Treated, Heavy Timber Column.....	29.07	1.43	
06 13 23 00-0103	LF	10" x 12", Pressure Treated, Heavy Timber Column.....	39.24	1.52	
06 13 23 00-0104	LF	12" x 12", Pressure Treated, Heavy Timber Column.....	46.79	1.68	
06 13 23 00-0105	BF	>12" To 16" Pressure Treated, Heavy Timber Column..... Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	3.90	0.14	
06 15 Wood Decking (06 15)					
06 15 13 Wood Floor Decking (06 15)					
06 15 13 00-0001 Wood Deck Systems (06 15 13)					
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.					
06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)					
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)					
06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.88	8.23	
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.63	7.82	
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.38	8.44	
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	40.16	8.02	
06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)					
06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.23	8.44	
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.95	8.01	
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.77	8.65	
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center.....	41.52	8.22	
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)					
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	39.88	8.23	
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.63	7.82	
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	41.38	8.44	
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	40.16	8.02	
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)					

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.71	8.23
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.59	7.54
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.93	8.44
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.50	8.02
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.66	8.44
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.52	8.01
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.08	8.65
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.64	8.22
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.84	8.23
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.73	7.82
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.12	8.44
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.61	8.02
06 15 13 00-0034		Wood Ramp Systems (06 15 13) Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.32	8.02
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.71	7.62
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.97	8.23
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.38	7.82
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.80	8.23
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.17	7.82
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.52	8.44
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.89	8.02
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.34	8.42
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.68	8.01
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.10	8.65
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.44	8.22
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.98	8.02
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.49	7.62
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	51.30	8.23
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.51	7.82
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.63	8.23
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.13	7.82
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	53.07	8.44
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.23	8.02
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.79	8.42
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.25	8.01
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	56.41	8.65
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	55.14	8.22
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		



Wood, Plastics, and Composites			06
Rough Carpentry			06 10
Wood Decking			06 15

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.26	8.02
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.69	7.62
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.99	8.23
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.44	7.82
06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.80	8.23
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.22	7.82
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.61	8.44
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.03	8.02
06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.43	8.42
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.79	8.01
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.26	8.65
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.65	8.22
06 15 13 00-0083 Wood Stair Systems (06 15 13)		
Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084 Pressure Treated Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.49	19.74
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	123.56	18.75
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.42	20.25
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.84	19.24
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.82	20.73
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.74	19.70
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.96	21.27
06 15 13 00-0093 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.18	20.20
06 15 13 00-0094 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.29	21.77
06 15 13 00-0095 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.05	20.68
06 15 13 00-0096 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.63	22.33
06 15 13 00-0097 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.67	21.20
06 15 13 00-0098 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.98	22.86
06 15 13 00-0099 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.67	21.71
06 15 13 00-0100 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.61	23.45
06 15 13 00-0101 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.52	22.28
06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0103 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.17	20.24
06 15 13 00-0104 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	125.63	19.23
06 15 13 00-0105 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.35	20.75
06 15 13 00-0106 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.74	19.72
06 15 13 00-0107 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.63	21.26
06 15 13 00-0108 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.91	20.19
06 15 13 00-0109 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.02	21.79
06 15 13 00-0110 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.22	20.70
06 15 13 00-0111 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.26	22.31
06 15 13 00-0112 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.34	21.19
06 15 13 00-0113 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.84	22.88
06 15 13 00-0114 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.87	21.75
06 15 13 00-0115 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.10	23.44
06 15 13 00-0116 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.07	22.27
06 15 13 00-0117 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.01	24.03
06 15 13 00-0118 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.90	22.83
06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0121 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.19	19.74
06 15 13 00-0122 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.11	18.75
06 15 13 00-0123 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.10	20.25
06 15 13 00-0124 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.01	19.24
06 15 13 00-0125 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.30	20.73
06 15 13 00-0126 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.07	19.70
06 15 13 00-0127 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	154.47	21.27
06 15 13 00-0128 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.20	20.20
06 15 13 00-0129 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.51	21.77
06 15 13 00-0130 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.12	20.68
06 15 13 00-0131 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	161.93	22.33
06 15 13 00-0132 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	158.51	21.20
06 15 13 00-0133 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	166.92	22.86

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 15 13 00-0134	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.44	21.71
06 15 13 00-0135	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	172.74	23.45
06 15 13 00-0136	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	169.24	22.28

06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System

(06 15 13 00-0137)

06 15 13 00-0138	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.24	20.24
06 15 13 00-0139	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	137.09	19.23
06 15 13 00-0140	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.87	20.75
06 15 13 00-0141	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	141.80	19.72
06 15 13 00-0142	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.26	21.26
06 15 13 00-0143	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.95	20.19
06 15 13 00-0144	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.12	21.79
06 15 13 00-0145	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	148.89	20.70
06 15 13 00-0146	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.41	22.31
06 15 13 00-0147	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.92	21.19
06 15 13 00-0148	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.49	22.88
06 15 13 00-0149	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.10	21.75
06 15 13 00-0150	RSR	5'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	164.47	23.44
06 15 13 00-0151	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	160.90	22.27
06 15 13 00-0152	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	169.92	24.03
06 15 13 00-0153	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.45	22.83

06 15 13 00-0154 Wood Deck And Ramp Systems Repairs (06 15 13)

Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0155 Deck Joist Or Girt (06 15 13 00-0154)

See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0156 Deck Boards (06 15 13 00-0154)

See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards.....	2.26	0.89
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards.....	2.48	1.06
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards.....	2.37	1.06
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards.....	3.14	1.22
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards.....	4.01	1.46
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards.....	4.92	1.79
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards.....	6.09	2.11
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	2.68	1.06
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	3.48	1.22
06 15 13 00-0166	LF	2" x 8" Round Edge Redwood Deck Boards	2.94	1.06
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	3.87	1.22

06 15 13 00-0168 Deck Posts (06 15 13 00-0154)

See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0169 Deck Railing And Pickets (06 15 13 00-0154)

See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing.....	2.37	1.06
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket.....	1.67	0.81
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing.....	2.68	1.06
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket.....	2.03	0.81
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	2.94	1.06
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket.....	2.22	0.81

06 16 Sheathing (06 10)**06 16 23 Subflooring (06 16)****06 16 23 00-0001 Board Type Subflooring (06 16 23)**

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor.....	3.49	0.92
Note: 4 Sides Laid In A Regular Pattern.				
For Water Resistant Coating Or Treatment, Add			0.08	
For Foil Backing, Add			0.14	
For Tongue And Groove, Add			0.10	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor	3.88	1.16
Note: 4 Sides Laid In A Diagonal Pattern.				
For Water Resistant Coating Or Treatment, Add			0.09	
For Foil Backing, Add			0.14	
For Tongue And Groove, Add			0.10	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor	3.36	0.81
Note: 4 sides laid in a regular pattern.				
For Water Resistant Coating Or Treatment, Add			0.09	
For Foil Backing, Add			0.15	
For Tongue And Groove, Add			0.10	



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Sheathing			06 16	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor		3.63	0.92
		Note: 4 sides laid in a diagonal pattern.			
		For Water Resistant Coating Or Treatment, Add		0.09	
		For Foil Backing, Add		0.15	
		For Tongue And Groove, Add		0.10	
06 16 33 Wood Board Sheathing (06 16)					
06 16 33 00-0001		Plywood (06 16 33)			
06 16 33 00-0002		Roof Decking (06 16 33 00-0001)			
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking		1.90	0.58
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.27	
		For Exterior CC Grade Plywood, Add		0.08	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.27	
		For ACQ Preservative Treatment, Add		0.26	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.04	
		For Fire Retardant Treatment, Add		0.43	
		For >1,696 To 3,200, Deduct		-0.03	
		For >3,200 To 6,400, Deduct		-0.05	
		For >6,400 To 12,800, Deduct		-0.09	
		For >12,800, Deduct		-0.13	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking		2.14	0.69
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.30	
		For Exterior CC Grade Plywood, Add		0.10	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.30	
		For ACQ Preservative Treatment, Add		0.31	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.24	
		For Fire Retardant Treatment, Add		0.51	
		For >1,696 To 3,200, Deduct		-0.04	
		For >3,200 To 6,400, Deduct		-0.06	
		For >6,400 To 12,800, Deduct		-0.11	
		For >12,800, Deduct		-0.15	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking		2.48	0.69
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.32	
		For Exterior CC Grade Plywood, Add		0.13	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.32	
		For ACQ Preservative Treatment, Add		0.42	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.42	
		For Fire Retardant Treatment, Add		0.69	
		For >1,696 To 3,200, Deduct		-0.05	
		For >3,200 To 6,400, Deduct		-0.08	
		For >6,400 To 12,800, Deduct		-0.14	
		For >12,800, Deduct		-0.18	
		For Tongue And Groove, Add		0.06	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking		2.74	0.81
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.35	
		For Exterior CC Grade Plywood, Add		0.15	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.35	
		For ACQ Preservative Treatment, Add		0.48	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.60	
		For Fire Retardant Treatment, Add		0.80	
		For >1,696 To 3,200, Deduct		-0.06	
		For >3,200 To 6,400, Deduct		-0.09	
		For >6,400 To 12,800, Deduct		-0.15	
		For >12,800, Deduct		-0.21	
		For Tongue And Groove, Add		0.07	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking		3.26	0.92
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.38	
		For Exterior CC Grade Plywood, Add		0.21	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.38	
		For ACQ Preservative Treatment, Add		0.66	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.84	
		For Fire Retardant Treatment, Add		1.08	
		For >1,696 To 3,200, Deduct		-0.08	
		For >3,200 To 6,400, Deduct		-0.12	
		For >6,400 To 12,800, Deduct		-0.20	
		For >12,800, Deduct		-0.26	
		For Tongue And Groove, Add		0.10	
06 16 33 00-0008		Wall Sheathing (06 16 33 00-0001)			

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing.....	2.26		0.81
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.35		
		For Exterior CC Grade Plywood, Add	0.08		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.35		
		For Ceiling Installation, Add	0.17		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.60		
		For Fire Retardant Treatment, Add	0.42		
		For >1,696 To 3,200, Deduct	-0.03		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.10		
		For >12,800, Deduct	-0.15		
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing.....	2.29		0.81
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.35		
		For Exterior CC Grade Plywood, Add	0.08		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.35		
		For Ceiling Installation, Add	0.17		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.60		
		For Fire Retardant Treatment, Add	0.44		
		For >1,696 To 3,200, Deduct	-0.03		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.10		
		For >12,800, Deduct	-0.15		
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing.....	2.34		0.92
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.35		
		For Exterior CC Grade Plywood, Add	0.09		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.35		
		For Ceiling Installation, Add	0.17		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.60		
		For Fire Retardant Treatment, Add	0.48		
		For >1,696 To 3,200, Deduct	-0.04		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.11		
		For >12,800, Deduct	-0.16		
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing.....	2.61		0.92
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.37		
		For Exterior CC Grade Plywood, Add	0.11		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.37		
		For Ceiling Installation, Add	0.19		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.78		
		For Fire Retardant Treatment, Add	0.60		
		For >1,696 To 3,200, Deduct	-0.05		
		For >3,200 To 6,400, Deduct	-0.07		
		For >6,400 To 12,800, Deduct	-0.13		
		For >12,800, Deduct	-0.18		
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing.....	2.98		1.05
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.40		
		For Exterior CC Grade Plywood, Add	0.15		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.40		
		For Ceiling Installation, Add	0.20		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.97		
		For Fire Retardant Treatment, Add	0.79		
		For >1,696 To 3,200, Deduct	-0.06		
		For >3,200 To 6,400, Deduct	-0.09		
		For >6,400 To 12,800, Deduct	-0.16		
		For >12,800, Deduct	-0.22		
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing.....	3.28		1.16
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.43		
		For Exterior CC Grade Plywood, Add	0.17		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.43		
		For Ceiling Installation, Add	0.21		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.21		
		For Fire Retardant Treatment, Add	0.90		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.10		
		For >6,400 To 12,800, Deduct	-0.18		
		For >12,800, Deduct	-0.24		
06 16 33 00-0015		Floor Decking (06 16 33 00-0001)			
		Note: Includes patching of seams and all fastener holes where necessary.			



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Sheathing			06 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0016	SF		5/16" CD Grade Plywood Floor Decking.....	1.73	0.69
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.95	
			For Fire Retardant Treatment, Add	0.34	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.12	
			For ACQ Preservative Treatment, Add	0.21	
			For Fir Plywood, Add	0.08	
			For BC Grade Plywood, Add	0.06	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.34	
06 16 33 00-0017	SF		3/8" CD Grade Plywood Floor Decking.....	1.81	0.69
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.06	
			For Fire Retardant Treatment, Add	0.35	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.12	
			For ACQ Preservative Treatment, Add	0.21	
			For Fir Plywood, Add	0.08	
			For BC Grade Plywood, Add	0.07	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.34	
06 16 33 00-0018	SF		1/2" CD Grade Plywood Floor Decking.....	2.03	0.69
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.18	
			For Fire Retardant Treatment, Add	0.46	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.14	
			For ACQ Preservative Treatment, Add	0.28	
			For Fir Plywood, Add	0.11	
			For BC Grade Plywood, Add	0.09	
			For Exterior Glue, Add	0.05	
			For Marine Grade, Add	0.45	
06 16 33 00-0019	SF		5/8" CD Grade Plywood Floor Decking.....	2.34	0.69
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37	
			For Fire Retardant Treatment, Add	0.60	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.17	
			For ACQ Preservative Treatment, Add	0.36	
			For Fir Plywood, Add	0.14	
			For BC Grade Plywood, Add	0.11	
			For Exterior Glue, Add	0.07	
			For Marine Grade, Add	0.60	
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	2.64	0.69
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
			For Fire Retardant Treatment, Add	0.77	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.20	
			For ACQ Preservative Treatment, Add	0.47	
			For Fir Plywood, Add	0.18	
			For BC Grade Plywood, Add	0.14	
			For Exterior Glue, Add	0.09	
			For Marine Grade, Add	0.76	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	3.82	1.05
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.99	
			For Fire Retardant Treatment, Add	1.45	
			For >1,696 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.25	
			For >12,800, Deduct	-0.32	
			For ACQ Preservative Treatment, Add	0.88	
			For Fir Plywood, Add	0.34	
			For BC Grade Plywood, Add	0.27	
			For Exterior Glue, Add	0.17	
			For Marine Grade, Add	1.43	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking.....	2.38		0.69
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.18		
		For Fire Retardant Treatment, Add	0.73		
		For >1,696 To 3,200, Deduct	-0.06		
		For >3,200 To 6,400, Deduct	-0.08		
		For >6,400 To 12,800, Deduct	-0.14		
		For >12,800, Deduct	-0.18		
		For ACQ Preservative Treatment, Add	0.45		
		For Exterior Glue, Add	0.09		
		For Marine Grade, Add	0.73		
		For Tongue And Groove, Add	0.07		
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking.....	2.76		0.69
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37		
		For Fire Retardant Treatment, Add	0.93		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.11		
		For >6,400 To 12,800, Deduct	-0.17		
		For >12,800, Deduct	-0.22		
		For ACQ Preservative Treatment, Add	0.57		
		For Exterior Glue, Add	0.11		
		For Marine Grade, Add	0.92		
		For Tongue And Groove, Add	0.08		
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking.....	2.96		0.69
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.52		
		For Fire Retardant Treatment, Add	1.01		
		For >1,696 To 3,200, Deduct	-0.08		
		For >3,200 To 6,400, Deduct	-0.12		
		For >6,400 To 12,800, Deduct	-0.18		
		For >12,800, Deduct	-0.24		
		For ACQ Preservative Treatment, Add	0.61		
		For Exterior Glue, Add	0.12		
		For Marine Grade, Add	1.00		
		For Tongue And Groove, Add	0.09		
06 16 33 00-0025 Underlayment Grade (06 16 33 00-0001)					
		Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	1.85		0.69
		For Fire Retardant Treatment, Add	0.40		
		For >1,696 To 3,200, Deduct	-0.03		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.08		
		For >12,800, Deduct	-0.13		
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	1.97		0.69
		For Fire Retardant Treatment, Add	0.44		
		For >1,696 To 3,200, Deduct	-0.03		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.09		
		For >12,800, Deduct	-0.14		
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.04		0.81
		For Fire Retardant Treatment, Add	0.48		
		For >1,696 To 3,200, Deduct	-0.04		
		For >3,200 To 6,400, Deduct	-0.05		
		For >6,400 To 12,800, Deduct	-0.09		
		For >12,800, Deduct	-0.14		
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.33		0.81
		For Fire Retardant Treatment, Add	0.57		
		For >1,696 To 3,200, Deduct	-0.04		
		For >3,200 To 6,400, Deduct	-0.06		
		For >6,400 To 12,800, Deduct	-0.11		
		For >12,800, Deduct	-0.17		
		For Tongue And Groove, Add	0.05		
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.48		0.81
		For Fire Retardant Treatment, Add	0.69		
		For >1,696 To 3,200, Deduct	-0.05		
		For >3,200 To 6,400, Deduct	-0.08		
		For >6,400 To 12,800, Deduct	-0.12		
		For >12,800, Deduct	-0.18		
		For Tongue And Groove, Add	0.06		
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.13		0.92
		For Fire Retardant Treatment, Add	1.05		
		For >1,696 To 3,200, Deduct	-0.08		
		For >3,200 To 6,400, Deduct	-0.12		
		For >6,400 To 12,800, Deduct	-0.16		
		For >12,800, Deduct	-0.25		
		For Tongue And Groove, Add	0.09		
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade.....	2.09		0.69
		For Fire Retardant Treatment, Add	0.54		
		For >1,696 To 3,200, Deduct	-0.04		
		For >3,200 To 6,400, Deduct	-0.06		
		For >6,400 To 12,800, Deduct	-0.10		
		For >12,800, Deduct	-0.15		



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Sheathing			06 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade..... <i>For Fire Retardant Treatment, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	2.62 0.82 -0.06 -0.09 -0.13 -0.20	0.81
06 16 33 00-0034			Oriented Strand Board (06 16 33)		
06 16 33 00-0035			On Roof (06 16 33 00-0034)		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.69 -0.02 -0.03 -0.07 -0.11 0.26 2.04	0.69
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.88 -0.02 -0.04 -0.08 -0.12 0.31 2.24	0.69
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.18 -0.03 -0.05 -0.10 -0.15 0.45 2.42	0.81
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Roof..... <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.49 -0.05 -0.07 -0.13 -0.18 0.60 2.60	0.81
06 16 33 00-0040			On Walls (06 16 33 00-0034)		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Walls <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.06 -0.02 -0.03 -0.08 -0.13 0.26 2.60	0.81
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Walls <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.24 -0.02 -0.04 -0.09 -0.14 0.31 2.78	0.92
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.55 -0.03 -0.05 -0.11 -0.17 0.45 2.97	1.05
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.90 -0.05 -0.07 -0.14 -0.20 0.60 3.21	1.05
06 16 33 00-0045			On Floors (06 16 33 00-0034) Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.72 -0.02 -0.03 -0.07 -0.11 0.26 2.09	0.69

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	.....	2.06	0.81
		For >1,408 To 3,200, Deduct		-0.02	
		For >3,200 To 6,400, Deduct		-0.04	
		For >6,400 To 12,800, Deduct		-0.08	
		For >12,800, Deduct		-0.13	
		For Fire Retardant Treatment, Add		0.31	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add		2.51	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	.....	2.39	0.92
		For >1,408 To 3,200, Deduct		-0.03	
		For >3,200 To 6,400, Deduct		-0.05	
		For >6,400 To 12,800, Deduct		-0.11	
		For >12,800, Deduct		-0.16	
		For Fire Retardant Treatment, Add		0.45	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add		2.73	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	.....	2.74	1.05
		For >1,408 To 3,200, Deduct		-0.05	
		For >3,200 To 6,400, Deduct		-0.07	
		For >6,400 To 12,800, Deduct		-0.13	
		For >12,800, Deduct		-0.19	
		For Fire Retardant Treatment, Add		0.60	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add		2.97	
06 16 33 00-0050		Particle Board (06 16 33)			
06 16 33 00-0051		Particle Board Floor Decking (06 16 33 00-0050)			
		Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	.....	2.05	0.58
		Note: Applied to plywood subfloor.			
		For Fire Retardant Treatment Add		0.54	
		For >1,536 To 3,200, Deduct		-0.04	
		For >3,200 To 6,400, Deduct		-0.06	
		For >6,400 To 12,800, Deduct		-0.11	
		For >12,800, Deduct		-0.15	
		For Tongue And Groove, Add		0.05	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	.....	2.37	0.58
		Note: Applied to plywood subfloor.			
		For Fire Retardant Treatment Add		0.73	
		For >1,536 To 3,200, Deduct		-0.06	
		For >3,200 To 6,400, Deduct		-0.08	
		For >6,400 To 12,800, Deduct		-0.14	
		For >12,800, Deduct		-0.18	
		For Tongue And Groove, Add		0.07	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	.....	2.69	0.69
		Note: Applied to plywood subfloor.			
		For Fire Retardant Treatment Add		0.92	
		For >1,536 To 3,200, Deduct		-0.07	
		For >3,200 To 6,400, Deduct		-0.11	
		For >6,400 To 12,800, Deduct		-0.17	
		For >12,800, Deduct		-0.22	
		For Tongue And Groove, Add		0.08	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	.....	2.99	0.69
		Note: Applied to plywood subfloor.			
		For Fire Retardant Treatment Add		1.08	
		For >1,536 To 3,200, Deduct		-0.08	
		For >3,200 To 6,400, Deduct		-0.12	
		For >6,400 To 12,800, Deduct		-0.19	
		For >12,800, Deduct		-0.25	
		For Tongue And Groove, Add		0.10	
06 16 43		Gypsum Sheathing (06 16)			
06 16 43 00-0001		Exterior Gypsum Sheathing (06 16 43)			
		Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.			
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	.....	3.15	0.92
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add		2.78	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.37	
		For Ceiling Installation, Add		0.19	
		For >1,696 To 3,200, Deduct		-0.08	
		For >3,200 To 6,400, Deduct		-0.12	
		For >6,400 To 12,800, Deduct		-0.19	
		For >12,800, Deduct		-0.25	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	.....	3.39	1.16
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add		2.97	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.40	
		For Ceiling Installation, Add		0.20	
		For >1,696 To 3,200, Deduct		-0.08	
		For >3,200 To 6,400, Deduct		-0.13	
		For >6,400 To 12,800, Deduct		-0.20	
		For >12,800, Deduct		-0.27	

06 17 Shop-Fabricated Structural Wood (06 10)**06 17 13 Laminated Veneer Lumber (06 17)**



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Shop-Fabricated Structural Wood			06 17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 17 13 00-0001	Laminated Veneer Lumber (LVL) (06 17 13)				
06 17 13 00-0002	LF	1-3/4"	Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	7.79	2.00
06 17 13 00-0003	LF	1-3/4"	Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	8.52	2.04
06 17 13 00-0004	LF	1-3/4"	Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	9.38	2.07
06 17 13 00-0005	LF	1-3/4"	Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	10.46	2.10
06 17 13 00-0006	LF	1-3/4"	Wide x 14" Deep (LVL) Laminated Veneer Lumber	11.27	2.13
06 17 13 00-0007	LF	1-3/4"	Wide x 16" Deep (LVL) Laminated Veneer Lumber	12.40	2.21
06 17 13 00-0008	LF	1-3/4"	Wide x 18" Deep (LVL) Laminated Veneer Lumber	14.03	2.25
06 17 13 00-0009	LF	1-3/4"	Wide x 24" Deep (LVL) Laminated Veneer Lumber	19.14	2.55

06 17 23 Parallel Strand Lumber (06 17)

06 17 23 00-0001	Laminated Strand Lumber (LSL) (06 17 23)				
06 17 23 00-0002	LF	2" x 4"	(LSL) Laminated Strand Lumber	2.69	0.92
06 17 23 00-0003	LF	2" x 6"	(LSL) Laminated Strand Lumber	3.61	0.99

06 17 33 Wood I-Joists (06 17)

06 17 33 00-0001	Prefabricated Wood I-Joists (06 17 33)				
06 17 33 00-0002	LF	9-1/2"	Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.87	1.32
			For I-Joists 30' To 40' In Length, Add	0.58	
			For I-Joists >40' In Length, Add	1.43	
06 17 33 00-0003	LF	11-7/8"	Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.24	1.47
			For I-Joists 30' To 40' In Length, Add	0.65	
			For I-Joists >40' In Length, Add	1.59	
06 17 33 00-0004	LF	14"	Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.13	1.65
			For I-Joists 30' To 40' In Length, Add	0.73	
			For I-Joists >40' In Length, Add	1.78	
06 17 33 00-0005	LF	16"	Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.90	1.84
			For I-Joists 30' To 40' In Length, Add	0.81	
			For I-Joists >40' In Length, Add	1.98	

06 17 43 Rim Boards (06 17)

06 17 43 00-0001	Oriented Strand Board (OSB) Rim Board (06 17 43)				
06 17 43 00-0002	LF	1-1/8"	Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	6.38	2.07
06 17 43 00-0003	LF	1-1/8"	Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	6.96	2.10
06 17 43 00-0004	LF	1-1/8"	Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	7.64	2.13

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001	Pre-Assembled Wood Roof Trusses (06 17 53)				
	Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.				
06 17 53 00-0002	EA	10'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	195.16	77.07
			For Up To 15, Add	3.08	
			For >35, Deduct	-2.05	
			For 3 In 12 Slope, Add	1.23	
			For 5 In 12 Slope, Add	3.28	
			For 6 In 12 Slope, Add	6.15	
			For 7 In 12 Slope, Add	8.20	
			For 8 In 12 Slope, Add	9.84	
06 17 53 00-0003	EA	12'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	216.73	84.41
			For Up To 15, Add	3.59	
			For >35, Deduct	-2.40	
			For 3 In 12 Slope, Add	1.44	
			For 5 In 12 Slope, Add	3.83	
			For 6 In 12 Slope, Add	7.19	
			For 7 In 12 Slope, Add	9.58	
			For 8 In 12 Slope, Add	11.50	
06 17 53 00-0004	EA	14'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	241.15	91.75
			For Up To 15, Add	4.32	
			For >35, Deduct	-2.88	
			For 3 In 12 Slope, Add	1.73	
			For 5 In 12 Slope, Add	4.61	
			For 6 In 12 Slope, Add	8.65	
			For 7 In 12 Slope, Add	11.53	
			For 8 In 12 Slope, Add	13.84	
06 17 53 00-0005	EA	16'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	273.09	99.09
			For Up To 15, Add	5.62	
			For >35, Deduct	-3.75	
			For 3 In 12 Slope, Add	2.25	
			For 5 In 12 Slope, Add	5.99	
			For 6 In 12 Slope, Add	11.24	
			For 7 In 12 Slope, Add	14.98	
			For 8 In 12 Slope, Add	17.98	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006	EA		18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	300.70	106.43
			For Up To 15, Add	6.59	
			For >35, Deduct	-4.39	
			For 3 In 12 Slope, Add	2.64	
			For 5 In 12 Slope, Add	7.03	
			For 6 In 12 Slope, Add	13.18	
			For 7 In 12 Slope, Add	17.57	
			For 8 In 12 Slope, Add	21.08	
06 17 53 00-0007	EA		20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	316.91	117.43
			For Up To 15, Add	6.15	
			For >35, Deduct	-4.10	
			For 3 In 12 Slope, Add	2.46	
			For 5 In 12 Slope, Add	6.56	
			For 6 In 12 Slope, Add	12.30	
			For 7 In 12 Slope, Add	16.41	
			For 8 In 12 Slope, Add	19.69	
06 17 53 00-0008	EA		22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	333.99	187.17
			For Up To 15, Add	6.33	
			For >35, Deduct	-4.22	
			For 3 In 12 Slope, Add	2.53	
			For 5 In 12 Slope, Add	6.75	
			For 6 In 12 Slope, Add	12.66	
			For 7 In 12 Slope, Add	16.89	
			For 8 In 12 Slope, Add	20.26	
06 17 53 00-0009	EA		24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	355.82	132.12
			For Up To 15, Add	6.87	
			For >35, Deduct	-4.58	
			For 3 In 12 Slope, Add	2.75	
			For 5 In 12 Slope, Add	7.33	
			For 6 In 12 Slope, Add	13.74	
			For 7 In 12 Slope, Add	18.32	
			For 8 In 12 Slope, Add	21.98	
06 17 53 00-0010	EA		26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	378.43	209.19
			For Up To 15, Add	7.46	
			For >35, Deduct	-4.98	
			For 3 In 12 Slope, Add	2.99	
			For 5 In 12 Slope, Add	7.96	
			For 6 In 12 Slope, Add	14.93	
			For 7 In 12 Slope, Add	19.90	
			For 8 In 12 Slope, Add	23.88	
06 17 53 00-0011	EA		28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	402.08	146.80
			For Up To 15, Add	8.14	
			For >35, Deduct	-5.42	
			For 3 In 12 Slope, Add	3.25	
			For 5 In 12 Slope, Add	8.68	
			For 6 In 12 Slope, Add	16.27	
			For 7 In 12 Slope, Add	21.70	
			For 8 In 12 Slope, Add	26.04	
06 17 53 00-0012	EA		30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	420.19	231.21
			For Up To 15, Add	8.39	
			For >35, Deduct	-5.60	
			For 3 In 12 Slope, Add	3.36	
			For 5 In 12 Slope, Add	8.95	
			For 6 In 12 Slope, Add	16.79	
			For 7 In 12 Slope, Add	22.38	
			For 8 In 12 Slope, Add	26.86	
06 17 53 00-0013	EA		32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	438.73	157.81
			For Up To 15, Add	9.23	
			For >35, Deduct	-6.16	
			For 3 In 12 Slope, Add	3.69	
			For 5 In 12 Slope, Add	9.85	
			For 6 In 12 Slope, Add	18.47	
			For 7 In 12 Slope, Add	24.62	
			For 8 In 12 Slope, Add	29.55	
06 17 53 00-0014	EA		34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	477.91	247.80
			For Up To 15, Add	11.07	
			For >35, Deduct	-7.38	
			For 3 In 12 Slope, Add	4.43	
			For 5 In 12 Slope, Add	11.81	
			For 6 In 12 Slope, Add	22.14	
			For 7 In 12 Slope, Add	29.52	
			For 8 In 12 Slope, Add	35.43	
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	496.87	168.82
			For Up To 15, Add	11.94	
			For >35, Deduct	-7.96	
			For 3 In 12 Slope, Add	4.78	
			For 5 In 12 Slope, Add	12.74	
			For 6 In 12 Slope, Add	23.88	
			For 7 In 12 Slope, Add	31.85	
			For 8 In 12 Slope, Add	38.22	



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Shop-Fabricated Structural Wood			06 17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	522.41	264.24
			For Up To 15, Add	12.76	
			For >35, Deduct	-8.51	
			For 3 In 12 Slope, Add	5.10	
			For 5 In 12 Slope, Add	13.61	
			For 6 In 12 Slope, Add	25.52	
			For 7 In 12 Slope, Add	34.02	
			For 8 In 12 Slope, Add	40.82	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	540.75	183.50
			For Up To 15, Add	13.03	
			For >35, Deduct	-8.69	
			For 3 In 12 Slope, Add	5.21	
			For 5 In 12 Slope, Add	13.90	
			For 6 In 12 Slope, Add	26.06	
			For 7 In 12 Slope, Add	34.75	
			For 8 In 12 Slope, Add	41.70	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	592.16	286.26
			For Up To 15, Add	15.79	
			For >35, Deduct	-10.52	
			For 3 In 12 Slope, Add	6.31	
			For 5 In 12 Slope, Add	16.84	
			For 6 In 12 Slope, Add	31.57	
			For 7 In 12 Slope, Add	42.10	
			For 8 In 12 Slope, Add	50.52	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	642.59	198.18
			For Up To 15, Add	18.47	
			For >35, Deduct	-12.31	
			For 3 In 12 Slope, Add	7.39	
			For 5 In 12 Slope, Add	19.70	
			For 6 In 12 Slope, Add	36.93	
			For 7 In 12 Slope, Add	49.25	
			For 8 In 12 Slope, Add	59.10	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	665.20	205.52
			For Up To 15, Add	19.06	
			For >35, Deduct	-12.71	
			For 3 In 12 Slope, Add	7.62	
			For 5 In 12 Slope, Add	20.33	
			For 6 In 12 Slope, Add	38.12	
			For 7 In 12 Slope, Add	50.83	
			For 8 In 12 Slope, Add	61.00	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	697.40	212.85
			For Up To 15, Add	20.38	
			For >35, Deduct	-13.58	
			For 3 In 12 Slope, Add	8.15	
			For 5 In 12 Slope, Add	21.73	
			For 6 In 12 Slope, Add	40.75	
			For 7 In 12 Slope, Add	54.34	
			For 8 In 12 Slope, Add	65.20	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	788.17	220.20
			For Up To 15, Add	26.08	
			For >35, Deduct	-17.39	
			For 3 In 12 Slope, Add	10.43	
			For 5 In 12 Slope, Add	27.82	
			For 6 In 12 Slope, Add	52.17	
			For 7 In 12 Slope, Add	69.55	
			For 8 In 12 Slope, Add	83.46	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	751.45	198.03
			For Up To 15, Add	23.33	
			For >35, Deduct	-15.55	
			For 3 In 12 Slope, Add	9.33	
			For 5 In 12 Slope, Add	24.88	
			For 6 In 12 Slope, Add	46.66	
			For 7 In 12 Slope, Add	62.21	
			For 8 In 12 Slope, Add	74.65	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	788.49	231.21
			For Up To 15, Add	24.46	
			For >35, Deduct	-16.30	
			For 3 In 12 Slope, Add	9.78	
			For 5 In 12 Slope, Add	26.09	
			For 6 In 12 Slope, Add	48.91	
			For 7 In 12 Slope, Add	65.21	
			For 8 In 12 Slope, Add	78.26	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	819.20	214.32
			For Up To 15, Add	25.66	
			For >35, Deduct	-17.11	
			For 3 In 12 Slope, Add	10.26	
			For 5 In 12 Slope, Add	27.37	
			For 6 In 12 Slope, Add	51.32	
			For 7 In 12 Slope, Add	68.42	
			For 8 In 12 Slope, Add	82.10	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	845.53	242.22
			For Up To 15, Add	27.08	
			For >35, Deduct	-18.05	
			For 3 In 12 Slope, Add	10.83	
			For 5 In 12 Slope, Add	28.89	
			For 6 In 12 Slope, Add	54.16	
			For 7 In 12 Slope, Add	72.22	
			For 8 In 12 Slope, Add	86.66	
06 17 53 00-0027	EA		60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	862.64	245.89
			For Up To 15, Add	27.82	
			For >35, Deduct	-18.54	
			For 3 In 12 Slope, Add	11.13	
			For 5 In 12 Slope, Add	29.67	
			For 6 In 12 Slope, Add	55.63	
			For 7 In 12 Slope, Add	74.17	
			For 8 In 12 Slope, Add	89.01	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses (06 17 53)					
Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.					
06 17 53 00-0029	EA		10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	200.37	77.07
			For 3 In 12 Slope, Add	1.39	
			For 5 In 12 Slope, Add	3.70	
			For 6 In 12 Slope, Add	6.93	
			For 7 In 12 Slope, Add	9.25	
			For 8 In 12 Slope, Add	11.10	
			For 16" On Center Gable Studs, Add	9.25	
06 17 53 00-0030	EA		12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	222.82	84.41
			For 3 In 12 Slope, Add	1.62	
			For 5 In 12 Slope, Add	4.32	
			For 6 In 12 Slope, Add	8.10	
			For 7 In 12 Slope, Add	10.80	
			For 8 In 12 Slope, Add	12.96	
			For 16" On Center Gable Studs, Add	10.80	
06 17 53 00-0031	EA		14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	248.48	91.75
			For 3 In 12 Slope, Add	1.95	
			For 5 In 12 Slope, Add	5.20	
			For 6 In 12 Slope, Add	9.75	
			For 7 In 12 Slope, Add	13.00	
			For 8 In 12 Slope, Add	15.60	
			For 16" On Center Gable Studs, Add	13.00	
06 17 53 00-0032	EA		16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	282.62	99.09
			For 3 In 12 Slope, Add	2.53	
			For 5 In 12 Slope, Add	6.76	
			For 6 In 12 Slope, Add	12.67	
			For 7 In 12 Slope, Add	16.89	
			For 8 In 12 Slope, Add	20.27	
			For 16" On Center Gable Studs, Add	16.89	
06 17 53 00-0033	EA		18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	311.87	106.43
			For 3 In 12 Slope, Add	2.97	
			For 5 In 12 Slope, Add	7.92	
			For 6 In 12 Slope, Add	14.85	
			For 7 In 12 Slope, Add	19.80	
			For 8 In 12 Slope, Add	23.76	
			For 16" On Center Gable Studs, Add	19.80	
06 17 53 00-0034	EA		20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	339.07	117.43
			For 3 In 12 Slope, Add	3.13	
			For 5 In 12 Slope, Add	8.34	
			For 6 In 12 Slope, Add	15.63	
			For 7 In 12 Slope, Add	20.84	
			For 8 In 12 Slope, Add	25.01	
			For 16" On Center Gable Studs, Add	20.84	
06 17 53 00-0035	EA		22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	356.79	124.78
			For 3 In 12 Slope, Add	3.22	
			For 5 In 12 Slope, Add	8.58	
			For 6 In 12 Slope, Add	16.08	
			For 7 In 12 Slope, Add	21.45	
			For 8 In 12 Slope, Add	25.74	
			For 16" On Center Gable Studs, Add	21.45	
06 17 53 00-0036	EA		24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	380.56	132.12
			For 3 In 12 Slope, Add	3.49	
			For 5 In 12 Slope, Add	9.31	
			For 6 In 12 Slope, Add	17.45	
			For 7 In 12 Slope, Add	23.26	
			For 8 In 12 Slope, Add	27.92	
			For 16" On Center Gable Studs, Add	23.26	
06 17 53 00-0037	EA		26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	405.31	139.46
			For 3 In 12 Slope, Add	3.79	
			For 5 In 12 Slope, Add	10.11	
			For 6 In 12 Slope, Add	18.96	
			For 7 In 12 Slope, Add	25.28	
			For 8 In 12 Slope, Add	30.33	
			For 16" On Center Gable Studs, Add	25.28	



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Shop-Fabricated Structural Wood			06 17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	431.39	146.80
			For 3 In 12 Slope, Add	4.13	
			For 5 In 12 Slope, Add	11.02	
			For 6 In 12 Slope, Add	20.67	
			For 7 In 12 Slope, Add	27.56	
			For 8 In 12 Slope, Add	33.07	
			For 16" On Center Gable Studs, Add	27.56	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	451.64	154.14
			For 3 In 12 Slope, Add	4.30	
			For 5 In 12 Slope, Add	11.47	
			For 6 In 12 Slope, Add	21.51	
			For 7 In 12 Slope, Add	28.67	
			For 8 In 12 Slope, Add	34.41	
			For 16" On Center Gable Studs, Add	28.67	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	473.33	157.81
			For 3 In 12 Slope, Add	4.73	
			For 5 In 12 Slope, Add	12.62	
			For 6 In 12 Slope, Add	23.66	
			For 7 In 12 Slope, Add	31.54	
			For 8 In 12 Slope, Add	37.85	
			For 16" On Center Gable Studs, Add	31.54	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	519.38	165.14
			For 3 In 12 Slope, Add	5.67	
			For 5 In 12 Slope, Add	15.13	
			For 6 In 12 Slope, Add	28.36	
			For 7 In 12 Slope, Add	37.82	
			For 8 In 12 Slope, Add	45.38	
			For 16" On Center Gable Studs, Add	37.82	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	541.62	168.82
			For 3 In 12 Slope, Add	6.12	
			For 5 In 12 Slope, Add	16.32	
			For 6 In 12 Slope, Add	30.60	
			For 7 In 12 Slope, Add	40.80	
			For 8 In 12 Slope, Add	48.96	
			For 16" On Center Gable Studs, Add	40.80	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	570.21	176.16
			For 3 In 12 Slope, Add	6.54	
			For 5 In 12 Slope, Add	17.43	
			For 6 In 12 Slope, Add	32.69	
			For 7 In 12 Slope, Add	43.58	
			For 8 In 12 Slope, Add	52.30	
			For 16" On Center Gable Studs, Add	43.58	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	603.59	183.50
			For 3 In 12 Slope, Add	7.10	
			For 5 In 12 Slope, Add	18.93	
			For 6 In 12 Slope, Add	35.49	
			For 7 In 12 Slope, Add	47.32	
			For 8 In 12 Slope, Add	56.78	
			For 16" On Center Gable Studs, Add	47.32	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	668.30	190.84
			For 3 In 12 Slope, Add	8.60	
			For 5 In 12 Slope, Add	22.93	
			For 6 In 12 Slope, Add	42.99	
			For 7 In 12 Slope, Add	57.32	
			For 8 In 12 Slope, Add	68.79	
			For 16" On Center Gable Studs, Add	57.32	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	731.65	198.18
			For 3 In 12 Slope, Add	10.06	
			For 5 In 12 Slope, Add	26.82	
			For 6 In 12 Slope, Add	50.29	
			For 7 In 12 Slope, Add	67.06	
			For 8 In 12 Slope, Add	80.47	
			For 16" On Center Gable Studs, Add	67.06	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	757.14	205.52
			For 3 In 12 Slope, Add	10.38	
			For 5 In 12 Slope, Add	27.69	
			For 6 In 12 Slope, Add	51.92	
			For 7 In 12 Slope, Add	69.22	
			For 8 In 12 Slope, Add	83.06	
			For 16" On Center Gable Studs, Add	69.22	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	795.67	212.85
			For 3 In 12 Slope, Add	11.10	
			For 5 In 12 Slope, Add	29.60	
			For 6 In 12 Slope, Add	55.49	
			For 7 In 12 Slope, Add	73.99	
			For 8 In 12 Slope, Add	88.79	
			For 16" On Center Gable Studs, Add	73.99	
06 17 53 00-0049	EA	50'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	864.91	220.20
			For 3 In 12 Slope, Add	12.74	
			For 5 In 12 Slope, Add	33.96	
			For 6 In 12 Slope, Add	63.68	
			For 7 In 12 Slope, Add	84.90	
			For 8 In 12 Slope, Add	101.88	
			For 16" On Center Gable Studs, Add	84.90	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	885.25	227.54
For 3 In 12 Slope, Add	12.91	
For 5 In 12 Slope, Add	34.41	
For 6 In 12 Slope, Add	64.53	
For 7 In 12 Slope, Add	86.03	
For 8 In 12 Slope, Add	103.24	
For 16" On Center Gable Studs, Add	86.03	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	913.38	231.21
For 3 In 12 Slope, Add	13.53	
For 5 In 12 Slope, Add	36.08	
For 6 In 12 Slope, Add	67.64	
For 7 In 12 Slope, Add	90.19	
For 8 In 12 Slope, Add	108.23	
For 16" On Center Gable Studs, Add	90.19	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	950.21	238.55
For 3 In 12 Slope, Add	14.19	
For 5 In 12 Slope, Add	37.85	
For 6 In 12 Slope, Add	70.97	
For 7 In 12 Slope, Add	94.62	
For 8 In 12 Slope, Add	113.55	
For 16" On Center Gable Studs, Add	94.62	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	983.81	242.22
For 3 In 12 Slope, Add	14.98	
For 5 In 12 Slope, Add	39.95	
For 6 In 12 Slope, Add	74.91	
For 7 In 12 Slope, Add	99.87	
For 8 In 12 Slope, Add	119.85	
For 16" On Center Gable Studs, Add	99.87	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,004.68	245.89
For 3 In 12 Slope, Add	15.39	
For 5 In 12 Slope, Add	41.03	
For 6 In 12 Slope, Add	76.94	
For 7 In 12 Slope, Add	102.58	
For 8 In 12 Slope, Add	123.10	
For 16" On Center Gable Studs, Add	102.58	

06 18 Glued-Laminated Construction (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 3-1/2" x 6" Glue Laminated Straight Beam	10.05	3.20
06 18 13 00-0003 LF 3-1/2" x 7-1/2" Glue Laminated Straight Beam	12.56	4.00
06 18 13 00-0004 LF 3-1/2" x 9" Glue Laminated Straight Beam	15.08	4.80
06 18 13 00-0005 LF 3-1/2" x 9-1/2" Glue Laminated Straight Beam	15.91	5.07
06 18 13 00-0006 LF 3-1/2" x 10-1/2" Glue Laminated Straight Beam	17.59	5.59
06 18 13 00-0007 LF 3-1/2" x 12" Glue Laminated Straight Beam	20.10	6.40
06 18 13 00-0008 LF 3-1/2" x 13-1/2" Glue Laminated Straight Beam	22.61	7.20
06 18 13 00-0009 LF 3-1/2" x 14" Glue Laminated Straight Beam	23.44	7.47
06 18 13 00-0010 LF 3-1/2" x 15" Glue Laminated Straight Beam	25.13	7.99
06 18 13 00-0011 LF 3-1/2" x 16" Glue Laminated Straight Beam	26.79	8.54
06 18 13 00-0012 LF 3-1/2" x 16-1/2" Glue Laminated Straight Beam	27.64	8.81
06 18 13 00-0013 LF 3-1/2" x 18" Glue Laminated Straight Beam	30.14	9.61
06 18 13 00-0014 LF 3-1/2" x 19-1/2" Glue Laminated Straight Beam	32.65	10.40
06 18 13 00-0015 LF 3-1/2" x 21" Glue Laminated Straight Beam	35.15	11.21
06 18 13 00-0016 LF 3-1/2" x 22.5" Glue Laminated Straight Beam	37.69	12.01
06 18 13 00-0017 LF 5-1/2" x 6" Glue Laminated Straight Beam	15.78	5.03
06 18 13 00-0018 LF 5-1/2" x 7-1/2" Glue Laminated Straight Beam	19.74	6.29
06 18 13 00-0019 LF 5-1/2" x 9" Glue Laminated Straight Beam	23.69	7.54
06 18 13 00-0020 LF 5-1/2" x 9-1/2" Glue Laminated Straight Beam	25.00	7.97
06 18 13 00-0021 LF 5-1/2" x 10-1/2" Glue Laminated Straight Beam	27.64	8.81
06 18 13 00-0022 LF 5-1/2" x 12" Glue Laminated Straight Beam	31.58	10.06
06 18 13 00-0023 LF 5-1/2" x 13-1/2" Glue Laminated Straight Beam	35.53	11.32
06 18 13 00-0024 LF 5-1/2" x 14" Glue Laminated Straight Beam	36.84	11.73
06 18 13 00-0025 LF 5-1/2" x 15" Glue Laminated Straight Beam	39.48	12.57
06 18 13 00-0026 LF 5-1/2" x 16" Glue Laminated Straight Beam	42.10	13.41
06 18 13 00-0027 LF 5-1/2" x 16-1/2" Glue Laminated Straight Beam	43.42	13.84
06 18 13 00-0028 LF 5-1/2" x 18" Glue Laminated Straight Beam	47.37	15.09
06 18 13 00-0029 LF 5-1/2" x 19-1/2" Glue Laminated Straight Beam	51.33	16.35
06 18 13 00-0030 LF 5-1/2" x 21" Glue Laminated Straight Beam	55.27	17.60
06 18 13 00-0031 LF 5-1/2" x 22.5" Glue Laminated Straight Beam	59.22	18.86
06 18 13 00-0032 LF 5-1/2" x 24" Glue Laminated Straight Beam	63.17	20.11
06 18 13 00-0033 LF 6-3/4" x 9" Glue Laminated Straight Beam	29.08	9.26
06 18 13 00-0034 LF 6-3/4" x 9-1/2" Glue Laminated Straight Beam	30.68	9.78
06 18 13 00-0035 LF 6-3/4" x 10-1/2" Glue Laminated Straight Beam	33.91	10.80
06 18 13 00-0036 LF 6-3/4" x 12" Glue Laminated Straight Beam	38.77	12.34
06 18 13 00-0037 LF 6-3/4" x 13-1/2" Glue Laminated Straight Beam	43.61	13.88
06 18 13 00-0038 LF 6-3/4" x 14" Glue Laminated Straight Beam	45.21	14.40
06 18 13 00-0039 LF 6-3/4" x 15" Glue Laminated Straight Beam	48.45	15.44
06 18 13 00-0040 LF 6-3/4" x 16" Glue Laminated Straight Beam	51.67	16.45
06 18 13 00-0041 LF 6-3/4" x 16-1/2" Glue Laminated Straight Beam	53.29	16.96
06 18 13 00-0042 LF 6-3/4" x 18" Glue Laminated Straight Beam	58.13	18.52



Wood, Plastics, and Composites			06	06
Rough Carpentry			06 10	
Glued-Laminated Construction			06 18	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	62.98	20.07	
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	67.83	21.60	
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	72.66	23.15	
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	77.51	24.69	
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	37.69	12.01	
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	39.78	12.67	
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	43.95	14.01	
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	50.23	16.00	
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	56.53	18.00	
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	58.61	18.67	
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	62.80	20.00	
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	66.97	21.34	
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	69.09	22.00	
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	75.37	24.00	
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	81.65	25.99	
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	87.93	28.00	
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	94.20	30.00	
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	100.48	32.00	
06 18 13 00-0061		Glue Laminated Decking (06 18 13)			
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.09	1.99	
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.25	1.99	
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	5.38	1.87	
06 18 16		Glued-Laminated Columns (06 18)			
06 18 16 00-0001		Glue Laminated Structural Units (06 18 16)			
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.			
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	14.94	4.05	
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	16.82	4.50	
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	31.66	9.62	
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	34.77	10.09	
06 20		Finish Carpentry (06)			
06 22		Millwork (06 20)			
06 22 13		Standard Pattern Wood Trim (06 22)			
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) (06 22 13)			
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.16	1.15	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.30	0.92	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.15	0.92	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	4.64	0.92	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) (06 22 13)			
06 22 13 00-0007		White Pine (06 22 13 00-0006)			
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	14.57	4.03	
		For Birch, Add	3.17		
		For Mahogany, Oak, Maple Or Walnut, Add	4.54		
		For Poplar, Add	1.76		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32		
		For Stain Grade Material (No Finger Joints), Add	1.15		
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	19.47	4.83	
		For Birch, Add	4.53		
		For Mahogany, Oak, Maple Or Walnut, Add	6.35		
		For Poplar, Add	2.51		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.59		
		For Stain Grade Material (No Finger Joints), Add	1.63		
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	7.22	2.76	
		For Birch, Add	0.94		
		For Mahogany, Oak, Maple Or Walnut, Add	1.64		
		For Poplar, Add	0.52		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06		
		For Stain Grade Material (No Finger Joints), Add	0.34		
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	8.17	2.76	
		For Birch, Add	1.29		
		For Mahogany, Oak, Maple Or Walnut, Add	2.07		
		For Poplar, Add	0.71		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06		
		For Stain Grade Material (No Finger Joints), Add	0.46		

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	10.72		3.45
		For Birch, Add	1.79		
		For Mahogany, Oak, Maple Or Walnut, Add	2.81		
		For Poplar, Add	0.99		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32		
		For Stain Grade Material (No Finger Joints), Add	0.64		
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	12.29		3.45
		For Birch, Add	2.35		
		For Mahogany, Oak, Maple Or Walnut, Add	3.51		
		For Poplar, Add	1.31		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32		
		For Stain Grade Material (No Finger Joints), Add	0.85		
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	15.24		4.15
		For Birch, Add	3.00		
		For Mahogany, Oak, Maple Or Walnut, Add	4.44		
		For Poplar, Add	1.67		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.59		
		For Stain Grade Material (No Finger Joints), Add	1.08		
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	7.47		3.22
		For Birch, Add	1.03		
		For Mahogany, Oak, Maple Or Walnut, Add	1.75		
		For Poplar, Add	0.57		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06		
		For Stain Grade Material (No Finger Joints), Add	0.37		
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	6.27		2.42
		For Birch, Add	1.02		
		For Mahogany, Oak, Maple Or Walnut, Add	1.61		
		For Poplar, Add	0.56		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.79		
		For Stain Grade Material (No Finger Joints), Add	0.37		
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	9.29		2.42
		For Birch, Add	2.10		
		For Mahogany, Oak, Maple Or Walnut, Add	2.97		
		For Poplar, Add	1.17		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.79		
		For Stain Grade Material (No Finger Joints), Add	0.76		
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.73		1.38
		For Birch, Add	0.48		
		For Mahogany, Oak, Maple Or Walnut, Add	0.84		
		For Poplar, Add	0.27		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.55		
		For Stain Grade Material (No Finger Joints), Add	0.17		
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.07		1.38
		For Birch, Add	0.60		
		For Mahogany, Oak, Maple Or Walnut, Add	0.99		
		For Poplar, Add	0.33		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.55		
		For Stain Grade Material (No Finger Joints), Add	0.22		
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.41		1.72
		For Birch, Add	0.91		
		For Mahogany, Oak, Maple Or Walnut, Add	1.43		
		For Poplar, Add	0.51		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.66		
		For Stain Grade Material (No Finger Joints), Add	0.33		
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.41		1.72
		For Birch, Add	0.91		
		For Mahogany, Oak, Maple Or Walnut, Add	1.43		
		For Poplar, Add	0.51		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.66		
		For Stain Grade Material (No Finger Joints), Add	0.33		
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	6.93		1.72
		For Birch, Add	1.46		
		For Mahogany, Oak, Maple Or Walnut, Add	2.11		
		For Poplar, Add	0.81		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.66		
		For Stain Grade Material (No Finger Joints), Add	0.53		
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	43.88		2.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.95		
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	55.46		2.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.95		
06 22 13 00-0025		Cedar Trim (06 22 13 00-0006)			
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	12.65		5.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.92		
06 22 13 00-0027		Oak Trim (06 22 13 00-0006)			
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	13.08		5.34
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.78		
06 22 13 00-0029		Closet Poles (06 22 13)			
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	10.99		2.99
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	13.25		2.99



Wood, Plastics, and Composites			06	06
Finish Carpentry			06 20	
Millwork			06 22	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles.....	17.90	3.34	
06 25 Prefinished Paneling (06 20)					
06 25 16 Prefinished Plywood Paneling (06 25)					
06 25 16 00-0001		Hardboard Panels (06 25 16)			
		Note: Excludes furring and trim.			
06 25 16 00-0002		Tempered Hardboard Panels (06 25 16 00-0001)			
06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	5.99	2.08	
		For Waterproof Glue, Add	0.09		
		For Ceiling Installation, Add	1.42		
		For Glue Laminated Installation, Add	0.30		
		For 1/8" Thick Paneling, Deduct	-0.54		
		For 1/2" Thick Paneling, Add	1.24		
		For 5/8" Thick Paneling, Add	1.51		
		For 3/4" Thick Paneling, Add	1.84		
		For Fire Retardant Treatment (Class I), Add	0.99		
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels.....	6.72	2.55	
		For Waterproof Glue, Add	0.08		
		For Ceiling Installation, Add	1.67		
		For Glue Laminated Installation, Add	0.34		
		For 1/8" Thick Paneling, Deduct	-0.58		
		For 1/2" Thick Paneling, Add	1.29		
		For 5/8" Thick Paneling, Add	1.53		
		For 3/4" Thick Paneling, Add	1.84		
		For Fire Retardant Treatment (Class I), Add	0.91		
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels.....	6.85	2.08	
		For Waterproof Glue, Add	0.15		
		For Ceiling Installation, Add	1.42		
		For Glue Laminated Installation, Add	0.34		
		For 1/8" Thick Paneling, Deduct	-0.68		
		For 1/2" Thick Paneling, Add	1.71		
		For 5/8" Thick Paneling, Add	2.15		
		For 3/4" Thick Paneling, Add	2.72		
		For Fire Retardant Treatment (Class I), Add	1.67		
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	6.97	2.55	
		For Waterproof Glue, Add	0.10		
		For Ceiling Installation, Add	1.67		
		For Glue Laminated Installation, Add	0.35		
		For 1/8" Thick Paneling, Deduct	-0.62		
		For 1/2" Thick Paneling, Add	1.42		
		For 5/8" Thick Paneling, Add	1.72		
		For 3/4" Thick Paneling, Add	2.10		
		For Fire Retardant Treatment (Class I), Add	1.11		
06 25 16 00-0007		Untempered Hardboard Panels (06 25 16 00-0001)			
06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels.....	5.72	2.08	
		For Waterproof Glue, Add	0.07		
		For Glue Laminated Installation, Add	0.29		
		For Lumber Core, Add	0.11		
		For Fire Retardant Treatment (Class I), Add	0.77		
06 40 Architectural Woodwork (06)					
06 41 Architectural Wood Casework (06 40)					
06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)					
06 41 13 00-0001		Removal And Reinstallation Of Cabinet Or Counters (06 41 13)			
		Note: Includes storage, cleaning and supply materials. Any height or width.			
06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	88.06		
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets.....	76.57		
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	18.26		
06 41 13 00-0005		Wood-Veneer Faced Wall And Base Cabinets (06 41 13)			
		Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.			
06 41 13 00-0006		Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)			
06 41 13 00-0007		Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0006)			
06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	366.59	23.01	
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79		
		For All Plywood Box Construction, Add	111.32		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0009	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	389.87	28.77
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0010	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	407.57	34.53
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0011	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	428.67	40.28
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0012	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	487.13	46.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0013	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	509.08	51.80
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0014	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	550.34	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0015	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	579.56	63.30
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0016	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	597.54	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	106.79	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0017	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	681.19	92.08
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	213.59	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0018	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	753.06	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	213.59	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0019	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	835.57	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	213.59	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0020	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	790.17	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0021	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	881.72	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0022	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	372.02	23.01
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0023	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	380.82	28.77
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0024	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	415.71	34.53
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0025	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	442.24	40.28
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0026	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	460.89	46.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0027	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	483.74	51.80
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0028	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	788.36	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0029	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	831.16	63.30
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Architectural Wood Casework			06 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	873.58	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	455.28	23.01
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	464.99	28.77
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	504.41	34.53
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	536.37	40.28
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	564.06	46.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	592.34	51.80
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	826.37	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	873.69	63.30
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	922.45	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	329.48	57.54
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	351.20	63.30
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	387.03	69.05
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	412.37	74.81
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	279.72	23.01
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	286.54	28.77
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	300.62	34.53
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	308.35	40.28
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	316.98	46.04
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	331.95	57.54
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	355.08	63.30
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	387.03	69.05
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	412.37	74.81
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	290.59	23.01
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	305.55	28.77
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	316.91	34.53
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	329.16	40.28
			For All Plywood Box Construction, Add	59.73	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	345.94	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	365.19	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	382.63	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	396.71	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	405.13	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0065)				
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	317.21	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	344.89	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	367.78	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	395.30	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	421.96	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	462.01	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	473.12	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	515.42	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	530.56	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0075)				
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	356.13	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	385.62	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	411.22	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	440.56	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	515.18	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	518.12	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	536.47	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	586.01	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	601.15	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0085)				
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	396.85	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	432.68	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	460.09	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	488.52	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	531.47	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	567.00	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	596.20	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	652.08	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	671.75	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0095)				
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	377.47	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	404.88	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	434.64	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Architectural Wood Casework			06 41

06

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
06 41 13 00-0099	EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....		469.46		74.81
	For All Plywood Box Construction, Add		59.73		
06 41 13 00-0100	EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....		553.24		92.08
	For All Plywood Box Construction, Add		59.73		
06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)					
06 41 13 00-0102	EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		723.55		51.15
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0103	EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		817.63		61.38
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0104	EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		918.06		480.84
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0105	EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		965.08		81.85
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0106	EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....		1,165.05		102.30
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0107	EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....		1,341.49		122.77
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0108	EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		815.87		51.15
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0109	EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		901.80		61.38
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0110	EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		1,028.47		71.62
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0111	EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet		1,092.69		81.85
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0112	EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....		1,352.39		102.30
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0113	EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....		1,544.22		122.77
	For All Plywood Box Construction, Add		220.83		
06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)					
06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)					
06 41 13 00-0116	EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		331.29		23.01
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0117	EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		351.86		28.77
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0118	EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		367.75		34.53
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0119	EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		387.03		40.28
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0120	EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		438.26		46.04
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0121	EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		458.40		51.80
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0122	EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		494.22		57.54
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0123	EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		520.73		63.30
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0124	EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		536.90		69.05
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		106.79		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0125	EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer				
	Front, Base Cabinet.....		611.50		92.08
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		213.59		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0126	EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and				
	Drawer Fronts, Base Cabinet		673.42		57.54
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		213.59		
	For All Plywood Box Construction, Add		111.32		
06 41 13 00-0127	EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and				
	Drawer Fronts, Base Cabinet		745.97		69.05
	For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		213.59		
	For All Plywood Box Construction, Add		111.32		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	706.00 320.38 111.32	57.54
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	786.70 320.38 111.32	69.05
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	336.72 320.38 111.32	23.01
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	344.62 320.38 111.32	28.77
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	374.99 320.38 111.32	34.53
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	398.80 320.38 111.32	40.28
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	415.63 320.38 111.32	46.04
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	435.77 320.38 111.32	51.80
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	704.19 320.38 111.32	57.54
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	741.56 320.38 111.32	63.30
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	779.46 320.38 111.32	69.05
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	409.12 427.18 111.32	23.01
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	418.84 427.18 111.32	28.77
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	453.73 427.18 111.32	34.53
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	482.06 427.18 111.32	40.28
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	506.14 427.18 111.32	46.04
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	531.70 427.18 111.32	51.80
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	737.68 427.18 111.32	57.54
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	779.57 427.18 111.32	63.30
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	822.90 427.18 111.32	69.05
06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	298.71 59.73	57.54
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	317.71 59.73	63.30
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	349.93 59.73	69.05
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	372.55 59.73	74.81
06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	254.38 59.73	23.01
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	260.29 59.73	28.77
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	272.56 59.73	34.53
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	280.29 59.73	40.28



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Architectural Wood Casework			06 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0158	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	288.02	46.04
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0159	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	301.18	57.54
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0160	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	321.59	63.30
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0161	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	349.93	69.05
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0162	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	372.55	74.81
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0164	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	263.43	23.01
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0165	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	276.58	28.77
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0166	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	287.04	34.53
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0167	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	298.39	40.28
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0168	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	313.36	46.04
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0169	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	330.80	51.82
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0170	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	345.53	57.54
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0171	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	358.70	63.30
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0172	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	366.22	69.05
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0174	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	289.15	23.01
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0175	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	314.12	28.77
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0176	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	334.29	34.53
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0177	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	358.20	40.28
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0178	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	382.14	46.04
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0179	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	417.66	51.82
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0180	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	427.86	57.54
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0181	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	464.74	63.30
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0182	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	478.97	69.05
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	323.55	23.01
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	349.42	28.77
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	372.30	34.53
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	398.02	40.28
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	464.50	46.04
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	466.54	51.82
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	483.07	57.54
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	527.18	63.30
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	540.51	69.05
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	358.84	23.01
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	391.05	28.77
			<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	415.74	34.53
			<i>For All Plywood Box Construction, Add</i>	59.73	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	440.56	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	478.98	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	509.98	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	535.56	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	585.11	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	602.96	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0203		Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0114)		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	342.18	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	366.87	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	393.00	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	424.20	74.81
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	498.03	92.08
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0209		Utility Cabinets, 84" High (06 41 13 00-0114)		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	658.39	51.15
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	743.42	61.38
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	833.89	480.84
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	877.29	81.85
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,054.64	102.30
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,212.07	122.77
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	739.84	51.15
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	817.63	61.38
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	930.73	71.62
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	989.52	81.85
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,219.35	102.30
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,390.36	122.77
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0222		Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0005)		
06 41 13 00-0223		Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0222)		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	331.29	23.01
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	351.86	28.77
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	367.75	34.53
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	387.03	40.28
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	438.26	46.04
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	458.40	51.80
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	106.79	
		<i>For All Plywood Box Construction, Add</i>	111.32	



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Architectural Wood Casework			06 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	494.22 106.79 111.32	57.54
06 41 13 00-0231	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	520.73 106.79 111.32	63.30
06 41 13 00-0232	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	536.90 106.79 111.32	69.05
06 41 13 00-0233	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.50 213.59 111.32	92.08
06 41 13 00-0234	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	673.42 213.59 111.32	57.54
06 41 13 00-0235	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	745.97 213.59 111.32	69.05
06 41 13 00-0236	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	706.00 320.38 111.32	57.54
06 41 13 00-0237	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	786.70 320.38 111.32	69.05
06 41 13 00-0238	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	336.72 320.38 111.32	23.01
06 41 13 00-0239	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	344.62 320.38 111.32	28.77
06 41 13 00-0240	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	374.99 320.38 111.32	34.53
06 41 13 00-0241	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	398.80 320.38 111.32	40.28
06 41 13 00-0242	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	415.63 320.38 111.32	46.04
06 41 13 00-0243	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	435.77 320.38 111.32	51.80
06 41 13 00-0244	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	704.19 320.38 111.32	57.54
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	741.56 320.38 111.32	63.30
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	779.46 320.38 111.32	69.05
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	409.12 427.18 111.32	23.01
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	418.84 427.18 111.32	28.77
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	453.73 427.18 111.32	34.53
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	482.06 427.18 111.32	40.28

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	506.14	46.04
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.18	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	531.70	51.80
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.18	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	737.68	57.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.18	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	779.57	63.30
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.18	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	822.90	69.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.18	
		<i>For All Plywood Box Construction, Add</i>	111.32	
06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	298.71	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	317.71	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	349.93	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	372.55	74.81
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	254.38	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	260.29	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	272.56	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	280.29	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	288.02	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	301.18	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	321.59	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	349.93	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	372.55	74.81
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	263.43	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	276.58	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	287.04	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	298.39	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	313.36	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	330.80	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	345.53	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	358.70	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	366.22	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	289.15	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	314.12	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	334.29	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Architectural Wood Casework			06 41

06

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	358.20	40.28
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	382.14	46.04
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	417.66	51.82
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	427.86	57.54
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	464.74	63.30
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	478.97	69.05
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	323.55	23.01
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	349.42	28.77
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	372.30	34.53
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	398.02	40.28
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	464.50	46.04
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	466.54	51.82
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	483.07	57.54
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	527.18	63.30
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	540.51	69.05
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)				
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	358.84	23.01
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	391.05	28.77
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	415.74	34.53
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	440.56	40.28
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	478.98	46.04
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	509.98	51.82
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	535.56	57.54
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	585.11	63.30
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	602.96	69.05
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)				
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	342.18	57.54
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	366.87	63.30
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	393.00	69.05
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	424.20	74.81
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	498.03	92.08
		For All Plywood Box Construction, Add	59.73	
06 41 13 00-0317 Utility Cabinets, 84" High (06 41 13 00-0222)				
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	658.39	51.15
		For All Plywood Box Construction, Add	220.83	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	743.42	61.38
		For All Plywood Box Construction, Add	220.83	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	833.89	480.84
		For All Plywood Box Construction, Add	220.83	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	877.29	81.85
		For All Plywood Box Construction, Add	220.83	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,054.64	102.30
		For All Plywood Box Construction, Add	220.83	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,212.07	122.77
		For All Plywood Box Construction, Add	220.83	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	739.84 220.83	51.15
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	817.63 220.83	61.38
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	930.73 220.83	71.62
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	989.52 220.83	81.85
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,219.35 220.83	102.30
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,390.36 220.83	122.77
06 41 13 00-0330		Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets (06 41 13 00-0005)		
06 41 13 00-0331		Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0330)		
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	331.29 106.79 111.32	23.01
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	351.86 106.79 111.32	28.77
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	367.75 106.79 111.32	34.53
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	387.03 106.79 111.32	40.28
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	438.26 106.79 111.32	46.04
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	458.40 106.79 111.32	51.80
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	494.22 106.79 111.32	57.54
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	520.73 106.79 111.32	63.30
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	536.90 106.79 111.32	69.05
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	611.50 213.59 111.32	92.08
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	673.42 213.59 111.32	57.54
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	745.97 213.59 111.32	69.05
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	706.00 320.38 111.32	57.54
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	786.70 320.38 111.32	69.05
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	336.72 320.38 111.32	23.01
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	344.62 320.38 111.32	28.77



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Architectural Wood Casework			06 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0348	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	374.99	34.53
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0349	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	398.80	40.28
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0350	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	415.63	46.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0351	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	435.77	51.80
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0352	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	704.19	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0353	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	741.56	63.30
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0354	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	779.46	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	320.38	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0355	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	409.12	23.01
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0356	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	418.84	28.77
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0357	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	453.73	34.53
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0358	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	482.06	40.28
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0359	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	506.14	46.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0360	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	531.70	51.80
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	737.68	57.54
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	779.57	63.30
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	822.90	69.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	427.18	
			For All Plywood Box Construction, Add	111.32	
06 41 13 00-0364			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	298.71	57.54
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	317.71	63.30
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	349.93	69.05
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	372.55	74.81
			For All Plywood Box Construction, Add	59.73	
06 41 13 00-0369			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	254.38	23.01
			For All Plywood Box Construction, Add	59.73	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	260.29	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	272.56	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	280.29	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	288.02	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	301.18	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	321.59	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	349.93	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	372.55	74.81
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0379		Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	263.43	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	276.58	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	287.04	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	298.39	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	313.36	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	330.80	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	345.53	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	358.70	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	366.22	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0389		Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	289.15	23.01
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	314.12	28.77
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	334.29	34.53
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	358.20	40.28
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	382.14	46.04
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	417.66	51.82
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	427.86	57.54
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	464.74	63.30
		<i>For All Plywood Box Construction, Add</i>	59.73	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	478.97	69.05
		<i>For All Plywood Box Construction, Add</i>	59.73	



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Architectural Wood Casework			06 41	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
06 41 13 00-0399 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	323.55		23.01
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	349.42		28.77
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	372.30		34.53
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	398.02		40.28
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	464.50		46.04
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	466.54		51.82
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	483.07		57.54
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	527.18		63.30
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	540.51		69.05
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0409 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	358.84		23.01
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	391.05		28.77
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	415.74		34.53
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	440.56		40.28
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	478.98		46.04
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	509.98		51.82
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	535.56		57.54
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	585.11		63.30
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	602.96		69.05
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0419 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)					
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	342.18		57.54
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	366.87		63.30
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	393.00		69.05
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	424.20		74.81
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	498.03		92.08
		For All Plywood Box Construction, Add	59.73		
06 41 13 00-0425 Utility Cabinets, 84" High (06 41 13 00-0330)					
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	658.39		51.15
		For All Plywood Box Construction, Add	220.83		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	743.42	61.38
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	833.89	480.84
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	877.29	81.85
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,054.64	102.30
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,212.07	122.77
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	739.84	51.15
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	817.63	61.38
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	930.73	71.62
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	989.52	81.85
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,219.35	102.30
		<i>For All Plywood Box Construction, Add</i>	220.83	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,390.36	122.77
		<i>For All Plywood Box Construction, Add</i>	220.83	

06 41 93 Cabinet and Drawer Hardware (06 41)**06 41 93 00-0001 Cabinet Hardware (06 41 93)**

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull.....	28.62	9.79
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull.....	29.66	9.79
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull.....	31.49	9.79
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle.....	33.52	9.79
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle.....	34.56	9.79
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle.....	45.78	9.79
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle.....	92.23	9.79
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs.....	22.43	7.48
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull.....	22.24	7.48
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull.....	30.39	8.63
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull.....	35.27	8.63
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull.....	38.61	8.63
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull.....	43.17	8.63
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull.....	64.37	8.63
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	44.86	11.51
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch.....	66.27	11.51
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys.....	170.83	17.27
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys.....	58.86	9.79
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	39.44	9.79

06 42 Wood Paneling (06 40)

Note: Includes glue for installation.

06 42 13 Wood Board Paneling (06 42)**06 42 13 00-0001 Solid Wood Paneling (06 42 13)****06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)**

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16".....	11.57	2.42
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16".....	12.23	2.42

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16".....	13.96	2.30
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16".....	12.92	2.30

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2".....	13.53	2.42

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)

06 42 13 00-0011	SF	1" Terebo (Driftwood) Wood Shiplap.....	8.54	2.07



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Paneling			06 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 Flush Wood Paneling (06 42)					
06 42 16 00-0001 Veneer Hardboard Panels (06 42 16)					
06 42 16 00-0002	SF	1/4"	Maple Or Birch Veneer Paneling	6.71	2.08
			For Waterproof Glue, Add	0.14	
			For Ceiling Installation, Add	1.42	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)					
06 42 16 00-0004 Birch (06 42 16 00-0003)					
06 42 16 00-0005	SF	1/4"	Unfinished Birch Plywood, Natural Faced With Trim	5.31	1.86
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.25	
			For Installation On Metal Studs Or Furring, Add	0.46	
			For Glue Laminated Installation, Add	0.27	
			For Lumber Core, Add	0.12	
			For 1/8" Thick Paneling, Deduct	-0.48	
			For 1/2" Thick Paneling, Add	1.11	
			For 5/8" Thick Paneling, Add	1.35	
			For 3/4" Thick Paneling, Add	1.65	
			For Fire Retardant Treatment (Class I), Add	0.89	
06 42 16 00-0006	SF	1/4"	Unfinished Birch Plywood, Select With Trim.....	5.39	1.86
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.25	
			For Installation On Metal Studs Or Furring, Add	0.46	
			For Glue Laminated Installation, Add	0.27	
			For Lumber Core, Add	0.13	
			For 1/8" Thick Paneling, Deduct	-0.49	
			For 1/2" Thick Paneling, Add	1.16	
			For 5/8" Thick Paneling, Add	1.41	
			For 3/4" Thick Paneling, Add	1.74	
			For Fire Retardant Treatment (Class I), Add	0.96	
06 42 16 00-0007 Knotty Pine (06 42 16 00-0003)					
06 42 16 00-0008	SF	1/4"	Knotty Pine Plywood, Grade AA Unfinished With Trim	6.11	2.08
			For Waterproof Glue, Add	0.10	
			For Ceiling Installation, Add	1.39	
			For Installation On Metal Studs Or Furring, Add	0.51	
			For Glue Laminated Installation, Add	0.31	
			For Lumber Core, Add	0.16	
			For 1/8" Thick Paneling, Deduct	-0.57	
			For 1/2" Thick Paneling, Add	1.35	
			For 5/8" Thick Paneling, Add	1.67	
			For 3/4" Thick Paneling, Add	2.07	
			For Fire Retardant Treatment (Class I), Add	1.17	
06 42 16 00-0009	SF	1/4"	Knotty Pine Plywood, Grade AD Unfinished With Trim.....	6.05	2.08
			For Waterproof Glue, Add	0.10	
			For Ceiling Installation, Add	1.39	
			For Installation On Metal Studs Or Furring, Add	0.51	
			For Glue Laminated Installation, Add	0.30	
			For Lumber Core, Add	0.16	
			For 1/8" Thick Paneling, Deduct	-0.56	
			For 1/2" Thick Paneling, Add	1.32	
			For 5/8" Thick Paneling, Add	1.62	
			For 3/4" Thick Paneling, Add	2.00	
			For Fire Retardant Treatment (Class I), Add	1.12	
06 42 16 00-0010 Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)					
06 42 16 00-0011	SF	1/4"	Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.16	2.32
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.56	
			For Installation On Metal Studs Or Furring, Add	0.57	
			For Glue Laminated Installation, Add	0.31	
			For Lumber Core, Add	0.10	
			For 1/8" Thick Paneling, Deduct	-0.52	
			For 1/2" Thick Paneling, Add	1.14	
			For 5/8" Thick Paneling, Add	1.34	
			For 3/4" Thick Paneling, Add	1.59	
			For Fire Retardant Treatment (Class I), Add	0.75	
06 42 16 00-0012	SF	1/4"	Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.43	2.32
			For Waterproof Glue, Add	0.09	
			For Ceiling Installation, Add	1.56	
			For Installation On Metal Studs Or Furring, Add	0.57	
			For Glue Laminated Installation, Add	0.32	
			For Lumber Core, Add	0.13	
			For 1/8" Thick Paneling, Deduct	-0.57	
			For 1/2" Thick Paneling, Add	1.28	
			For 5/8" Thick Paneling, Add	1.54	
			For 3/4" Thick Paneling, Add	1.87	
			For Fire Retardant Treatment (Class I), Add	0.96	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 42 16 00-0013	Top Grade Plywood Prefinished With Trim 1/4" Thick (06 42 16)				
06 42 16 00-0014	SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	5.89		2.08	
	For Flitch Matched Veneer, Add	0.63			
	For Second Grade Veneer, Deduct	-0.13			
	For Third Grade Veneer, Deduct	-0.19			
	For Waterproof Glue, Add	0.09			
	For Ceiling Installation, Add	1.39			
	For Installation On Metal Studs Or Furring, Add	0.51			
	For Glue Laminated Installation, Add	0.29			
	For Lumber Core, Add	0.14			
	For 1/8" Thick Paneling, Deduct	-0.53			
	For 1/2" Thick Paneling, Add	1.24			
	For 5/8" Thick Paneling, Add	1.50			
	For 3/4" Thick Paneling, Add	1.84			
	For Fire Retardant Treatment (Class I), Add	1.00			
06 42 16 00-0015	SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	6.45		2.08	
	For Flitch Matched Veneer, Add	0.91			
	For Second Grade Veneer, Deduct	-0.18			
	For Third Grade Veneer, Deduct	-0.27			
	For Waterproof Glue, Add	0.13			
	For Ceiling Installation, Add	1.39			
	For Installation On Metal Studs Or Furring, Add	0.51			
	For Glue Laminated Installation, Add	0.32			
	For Lumber Core, Add	0.20			
	For 1/8" Thick Paneling, Deduct	-0.63			
	For 1/2" Thick Paneling, Add	1.54			
	For 5/8" Thick Paneling, Add	1.92			
	For 3/4" Thick Paneling, Add	2.41			
	For Fire Retardant Treatment (Class I), Add	1.44			
06 42 16 00-0016	SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	9.46		2.08	
	For Flitch Matched Veneer, Add	1.96			
	For Second Grade Veneer, Deduct	-0.39			
	For Third Grade Veneer, Deduct	-0.59			
	For Waterproof Glue, Add	0.27			
	For Ceiling Installation, Add	1.67			
	For Installation On Metal Studs Or Furring, Add	0.61			
	For Glue Laminated Installation, Add	0.47			
	For Lumber Core, Add	0.43			
	For 1/8" Thick Paneling, Deduct	-1.04			
	For 1/2" Thick Paneling, Add	2.78			
	For 5/8" Thick Paneling, Add	3.60			
	For 3/4" Thick Paneling, Add	4.65			
	For Fire Retardant Treatment (Class I), Add	3.09			
06 42 16 00-0017	SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.00		2.08	
	For Flitch Matched Veneer, Add	0.42			
	For Second Grade Veneer, Deduct	-0.08			
	For Third Grade Veneer, Deduct	-0.12			
	For Waterproof Glue, Add	0.06			
	For Ceiling Installation, Add	1.25			
	For Installation On Metal Studs Or Furring, Add	0.46			
	For Glue Laminated Installation, Add	0.25			
	For Lumber Core, Add	0.09			
	For 1/8" Thick Paneling, Deduct	-0.43			
	For 1/2" Thick Paneling, Add	0.95			
	For 5/8" Thick Paneling, Add	1.12			
	For 3/4" Thick Paneling, Add	1.35			
	For Fire Retardant Treatment (Class I), Add	0.66			
06 42 16 00-0018	SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	8.35		2.08	
	For Flitch Matched Veneer, Add	1.57			
	For Second Grade Veneer, Deduct	-0.31			
	For Third Grade Veneer, Deduct	-0.47			
	For Waterproof Glue, Add	0.22			
	For Ceiling Installation, Add	1.56			
	For Installation On Metal Studs Or Furring, Add	0.57			
	For Glue Laminated Installation, Add	0.42			
	For Lumber Core, Add	0.35			
	For 1/8" Thick Paneling, Deduct	-0.89			
	For 1/2" Thick Paneling, Add	2.32			
	For 5/8" Thick Paneling, Add	2.98			
	For 3/4" Thick Paneling, Add	3.83			
	For Fire Retardant Treatment (Class I), Add	2.48			
06 42 16 00-0019	SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.02		2.08	
	For Flitch Matched Veneer, Add	0.70			
	For Second Grade Veneer, Deduct	-0.14			
	For Third Grade Veneer, Deduct	-0.21			
	For Waterproof Glue, Add	0.10			
	For Ceiling Installation, Add	1.39			
	For Installation On Metal Studs Or Furring, Add	0.51			
	For Glue Laminated Installation, Add	0.30			
	For Lumber Core, Add	0.15			
	For 1/8" Thick Paneling, Deduct	-0.56			
	For 1/2" Thick Paneling, Add	1.31			
	For 5/8" Thick Paneling, Add	1.60			
	For 3/4" Thick Paneling, Add	1.97			
	For Fire Retardant Treatment (Class I), Add	1.10			



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Paneling			06 42	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.05	2.08
		For Flitch Matched Veneer, Add	0.92	
		For Second Grade Veneer, Deduct	-0.18	
		For Third Grade Veneer, Deduct	-0.28	
		For Waterproof Glue, Add	0.13	
		For Ceiling Installation, Add	1.56	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.35	
		For Lumber Core, Add	0.20	
		For 1/8" Thick Paneling, Deduct	-0.67	
		For 1/2" Thick Paneling, Add	1.62	
		For 5/8" Thick Paneling, Add	2.01	
		For 3/4" Thick Paneling, Add	2.50	
		For Fire Retardant Treatment (Class I), Add	1.45	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	10.97	2.08
		For Flitch Matched Veneer, Add	2.23	
		For Second Grade Veneer, Deduct	-0.45	
		For Third Grade Veneer, Deduct	-0.67	
		For Waterproof Glue, Add	0.31	
		For Ceiling Installation, Add	1.96	
		For Installation On Metal Studs Or Furring, Add	0.72	
		For Glue Laminated Installation, Add	0.55	
		For Lumber Core, Add	0.49	
		For 1/8" Thick Paneling, Deduct	-1.20	
		For 1/2" Thick Paneling, Add	3.19	
		For 5/8" Thick Paneling, Add	4.12	
		For 3/4" Thick Paneling, Add	5.32	
		For Fire Retardant Treatment (Class I), Add	3.52	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	8.35	2.08
		For Flitch Matched Veneer, Add	1.57	
		For Second Grade Veneer, Deduct	-0.31	
		For Third Grade Veneer, Deduct	-0.47	
		For Waterproof Glue, Add	0.22	
		For Ceiling Installation, Add	1.56	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.42	
		For Lumber Core, Add	0.35	
		For 1/8" Thick Paneling, Deduct	-0.89	
		For 1/2" Thick Paneling, Add	2.32	
		For 5/8" Thick Paneling, Add	2.98	
		For 3/4" Thick Paneling, Add	3.83	
		For Fire Retardant Treatment (Class I), Add	2.48	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	7.30	2.08
		For Flitch Matched Veneer, Add	1.34	
		For Second Grade Veneer, Deduct	-0.27	
		For Third Grade Veneer, Deduct	-0.40	
		For Waterproof Glue, Add	0.19	
		For Ceiling Installation, Add	1.39	
		For Installation On Metal Studs Or Furring, Add	0.51	
		For Glue Laminated Installation, Add	0.37	
		For Lumber Core, Add	0.29	
		For 1/8" Thick Paneling, Deduct	-0.77	
		For 1/2" Thick Paneling, Add	2.00	
		For 5/8" Thick Paneling, Add	2.56	
		For 3/4" Thick Paneling, Add	3.28	
		For Fire Retardant Treatment (Class I), Add	2.11	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	6.05	2.08
		For Flitch Matched Veneer, Add	0.71	
		For Second Grade Veneer, Deduct	-0.14	
		For Third Grade Veneer, Deduct	-0.21	
		For Waterproof Glue, Add	0.10	
		For Ceiling Installation, Add	1.39	
		For Installation On Metal Studs Or Furring, Add	0.51	
		For Glue Laminated Installation, Add	0.30	
		For Lumber Core, Add	0.16	
		For 1/8" Thick Paneling, Deduct	-0.56	
		For 1/2" Thick Paneling, Add	1.32	
		For 5/8" Thick Paneling, Add	1.62	
		For 3/4" Thick Paneling, Add	2.00	
		For Fire Retardant Treatment (Class I), Add	1.12	
06 42 16 00-0025		Accessories (06 42 16)		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	44.31	
06 42 19		Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001		Plastic Laminate (06 42 19)		
		Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel	11.49	4.03
		Note: Includes cutting to fit.		

06 43 Wood Stairs and Railings (06 40)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 Wood Stairs (06 43)					
06 43 13 00-0001 Stair Parts (06 43 13)					
06 43 13 00-0002	EA	30" Baluster, Pine	56.05	23.36	
06 43 13 00-0003	EA	30" Baluster, Birch	65.77	23.36	
06 43 13 00-0004	EA	42" Baluster, Pine	63.04	24.16	
06 43 13 00-0005	EA	42" Baluster, Birch	73.40	24.16	
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	325.62	91.81	
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	475.78	128.85	
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	198.91	80.54	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.44		
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	232.22	88.47	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.07		
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	39.85	12.08	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.97		
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	51.10	6.79	
		For Beech, Add	11.28		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.11		
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	61.80	6.79	
		For Beech, Add	14.49		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.11		
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	28.67	6.79	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.11		
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	38.72	7.01	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.24		
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	36.45	7.01	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.24		
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	21.86	7.01	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.24		
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	21.15	7.01	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.24		
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	45.37		
06 43 13 00-0019 Interior Box Stairs (06 43 13)					
Note: Factory cut and assembled straight closed box stairs, unfinished.					
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	284.23	70.06	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.02		
		For Prefinished Stair Rail With Balusters And Newel, Add	74.02		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.51		
		For Oak Or Maple Treads, Add	82.87		
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	301.01	71.67	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.54		
		For Prefinished Stair Rail With Balusters And Newel, Add	74.71		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.79		
		For Oak Or Maple Treads, Add	89.40		
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	316.69	72.48	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.81		
		For Prefinished Stair Rail With Balusters And Newel, Add	75.06		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.94		
		For Oak Or Maple Treads, Add	95.92		
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	334.83	73.28	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.07		
		For Prefinished Stair Rail With Balusters And Newel, Add	75.40		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.08		
		For Oak Or Maple Treads, Add	103.57		
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	345.59	74.09	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.34		
		For Prefinished Stair Rail With Balusters And Newel, Add	75.74		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.23		
		For Oak Or Maple Treads, Add	107.90		
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	357.52	75.70	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.87		
		For Prefinished Stair Rail With Balusters And Newel, Add	76.44		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.52		
		For Oak Or Maple Treads, Add	112.23		
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	368.28	76.51	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.13		
		For Prefinished Stair Rail With Balusters And Newel, Add	76.78		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.66		
		For Oak Or Maple Treads, Add	116.55		
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	379.07	77.32	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.40		
		For Prefinished Stair Rail With Balusters And Newel, Add	77.14		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.81		
		For Oak Or Maple Treads, Add	120.88		
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	389.79	78.12	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.66		
		For Prefinished Stair Rail With Balusters And Newel, Add	77.47		
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	25.95		
		For Oak Or Maple Treads, Add	125.20		



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Wood Stairs and Railings			06 43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA		48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	402.77 26.46 78.51 26.38 129.48	80.54
06 43 16 Wood Railings (06 43)					
06 43 16 00-0001			Handrails (06 43 16)		
06 43 16 00-0002			Wood Handrail With Brackets (06 43 16 00-0001) Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003	LF		1-1/2" x 1-11/16", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.52 2.65	5.76
06 43 16 00-0004	LF		1-7/8" x 2-5/8", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.14 2.65	5.76
06 43 16 00-0005	LF		1-1/2" Diameter, Wood Handrail With Brackets.....	26.53	5.76
06 43 16 00-0006	LF		1-3/4" Diameter, Wood Handrail With Brackets.....	27.88	5.76
06 43 16 00-0007	LF		2" Diameter, Wood Handrail With Brackets.....	32.73	5.76
06 43 16 00-0008	LF		2-1/2" Diameter, Wood Handrail With Brackets.....	47.71	5.76
06 44 Ornamental Woodwork (06 44)					
06 44 39 Wood Posts and Columns (06 44)					
06 44 39 00-0001			Columns (06 44 39)		
06 44 39 00-0002			Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0003	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	70.30	7.21
06 44 39 00-0004	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	88.20	10.54
06 44 39 00-0005	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	108.03	12.20
06 44 39 00-0006	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	129.05	12.75
06 44 39 00-0007	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	286.38	14.41
06 44 39 00-0008	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	332.52	15.52
06 44 39 00-0009	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	400.00	16.63
06 44 39 00-0010	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	477.28	17.75
06 44 39 00-0011	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	80.79	7.21
06 44 39 00-0012	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	96.61	10.54
06 44 39 00-0013	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	119.64	12.20
06 44 39 00-0014	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	141.46	12.75
06 44 39 00-0015	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	311.60	14.41
06 44 39 00-0016	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	423.00	15.52
06 44 39 00-0017	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	456.05	16.63
06 44 39 00-0018	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	513.31	17.75
06 44 39 00-0019			Pine Colonial Columns, Round Non-Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0020	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	84.39	7.21
06 44 39 00-0021	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	104.21	10.54
06 44 39 00-0022	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	128.84	12.20
06 44 39 00-0023	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	155.08	12.75
06 44 39 00-0024	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	351.68	14.41
06 44 39 00-0025	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	408.99	15.52
06 44 39 00-0026	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	493.00	16.63
06 44 39 00-0027	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	589.30	17.75
06 44 39 00-0028	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	97.52	7.21
06 44 39 00-0029	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	115.70	10.54
06 44 39 00-0030	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	143.90	12.20
06 44 39 00-0031	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	171.01	12.75
06 44 39 00-0032	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	383.27	14.41
06 44 39 00-0033	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	522.41	15.52
06 44 39 00-0034	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	563.27	16.63
06 44 39 00-0035	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	634.50	17.75
06 44 39 00-0036			Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF		6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	75.28	7.21
06 44 39 00-0038	LF		8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	94.20	10.54
06 44 39 00-0039	LF		10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	115.57	12.20
06 44 39 00-0040	LF		12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	138.39	12.75
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	86.72	7.21
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	103.36	10.54
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	128.22	12.20
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	151.92	12.75
06 44 39 00-0045			Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed redwood.		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046	LF		6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	117.22	7.21
06 44 39 00-0047	LF		8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	141.05	10.54
06 44 39 00-0048	LF		10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	175.69	12.20
06 44 39 00-0049	LF		12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	214.73	12.75
06 44 39 00-0050	LF		6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	134.84	7.21
06 44 39 00-0051	LF		8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	159.86	10.54
06 44 39 00-0052	LF		10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	197.71	12.20
06 44 39 00-0053	LF		12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	243.56	12.75

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)

Note: For tapered wood columns.

06 44 39 00-0055	EA		6" Resin Corinthian Capital And Base	366.25	14.97
06 44 39 00-0056	EA		8" Resin Corinthian Capital And Base	553.74	16.63
06 44 39 00-0057	EA		10" Resin Corinthian Capital And Base	771.48	19.41
06 44 39 00-0058	EA		12" Resin Corinthian Capital And Base	985.21	22.18
06 44 39 00-0059	EA		6" Resin Greek Erectheum Cap And Base	326.22	14.97
06 44 39 00-0060	EA		8" Resin Greek Erectheum Cap And Base	453.65	16.63
06 44 39 00-0061	EA		10" Resin Greek Erectheum Cap And Base	563.29	19.41
06 44 39 00-0062	EA		12" Resin Greek Erectheum Cap And Base	736.98	22.18
06 44 39 00-0063	EA		6" Resin Roman Ionic Capital And Base.....	343.33	15.52
06 44 39 00-0064	EA		8" Resin Roman Ionic Capital And Base.....	453.65	16.63
06 44 39 00-0065	EA		10" Resin Roman Ionic Capital And Base.....	563.29	19.41
06 44 39 00-0066	EA		12" Resin Roman Ionic Capital And Base.....	716.96	22.18
06 44 39 00-0067	EA		6" Resin Scamozzi Capital And Base	347.33	15.52
06 44 39 00-0068	EA		8" Resin Scamozzi Capital And Base	493.68	16.63
06 44 39 00-0069	EA		10" Resin Scamozzi Capital And Base	583.31	19.41
06 44 39 00-0070	EA		12" Resin Scamozzi Capital And Base	801.04	22.18
06 44 39 00-0071	EA		6" Resin Temple Of Winds Cap And Base.....	347.33	15.52
06 44 39 00-0072	EA		8" Resin Temple Of Winds Cap And Base.....	537.72	16.63
06 44 39 00-0073	EA		10" Resin Temple Of Winds Cap And Base.....	711.42	19.41
06 44 39 00-0074	EA		12" Resin Temple Of Winds Cap And Base.....	881.11	22.18

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)

Note: For tapered wood columns.

06 44 39 00-0076	EA		6" Plaster Corinthian Capital And Base	738.59	14.97
06 44 39 00-0077	EA		8" Plaster Corinthian Capital And Base	829.99	16.63
06 44 39 00-0078	EA		10" Plaster Corinthian Capital And Base	1,055.73	19.41
06 44 39 00-0079	EA		12" Plaster Corinthian Capital And Base	1,161.36	22.18
06 44 39 00-0080	EA		6" Plaster Greek Erectheum Cap And Base	490.36	14.97
06 44 39 00-0081	EA		8" Plaster Greek Erectheum Cap And Base	569.75	16.63
06 44 39 00-0082	EA		10" Plaster Greek Erectheum Cap And Base	703.42	19.41
06 44 39 00-0083	EA		12" Plaster Greek Erectheum Cap And Base	885.12	22.18
06 44 39 00-0084	EA		6" Plaster Roman Ionic Capital And Base.....	471.45	15.52
06 44 39 00-0085	EA		8" Plaster Roman Ionic Capital And Base.....	617.80	16.63
06 44 39 00-0086	EA		10" Plaster Roman Ionic Capital And Base.....	747.46	19.41
06 44 39 00-0087	EA		12" Plaster Roman Ionic Capital And Base.....	885.12	22.18
06 44 39 00-0088	EA		6" Plaster Scamozzi Capital And Base	559.53	15.52
06 44 39 00-0089	EA		8" Plaster Scamozzi Capital And Base	741.91	16.63
06 44 39 00-0090	EA		10" Plaster Scamozzi Capital And Base	835.54	19.41
06 44 39 00-0091	EA		12" Plaster Scamozzi Capital And Base	1,061.27	22.18
06 44 39 00-0092	EA		6" Plaster Temple Of Winds Cap And Base.....	471.45	15.52
06 44 39 00-0093	EA		8" Plaster Temple Of Winds Cap And Base.....	609.79	16.63
06 44 39 00-0094	EA		10" Plaster Temple Of Winds Cap And Base.....	795.50	19.41
06 44 39 00-0095	EA		12" Plaster Temple Of Winds Cap And Base.....	1,017.23	22.18
06 44 39 00-0096	EA		6" Plaster Empire Capital And Base	531.50	15.52
06 44 39 00-0097	EA		8" Plaster Empire Capital And Base	649.82	16.63
06 44 39 00-0098	EA		10" Plaster Empire Capital And Base	791.50	19.41
06 44 39 00-0099	EA		12" Plaster Empire Capital And Base	885.12	22.18

06 46 Wood Trim (06 40)**06 46 13 Wood Door and Window Casings (06 46)****06 46 13 00-0001 Door and Window Casings (06 46 13)**

06 46 13 00-0002	LF		1-1/8" Wide Plain Pine Door And Window Molding.....	5.32	1.84
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.95	
06 46 13 00-0003	LF		1-1/8" Wide Detailed Pine Door And Window Molding.....	5.37	1.84
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.95	
06 46 13 00-0004	LF		2-1/2" Wide Pine Complete Door And Window Trim.....	6.67	1.84
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.95	

06 46 19 Wood Base and Shoe Moldings (06 46)**06 46 19 00-0001 Base And Shoe Molding (06 46 19)**

06 46 19 00-0002	LF		1/2" x 1/2" Pine Quarter Round Trim.....	5.53	2.18
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.10	
06 46 19 00-0003	LF		3/4" x 3/4" Pine Quarter Round Trim.....	5.91	2.18
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.10	



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Wood Trim			06 46

06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.98	1.38
			For Clear Birch, Add	0.76	
			For Clear Mahogany, Oak, Maple Or Walnut, Add	1.53	
			For Stain Grade Material (No Finger Joints), Add	0.43	
			For Clear Poplar, Add	0.48	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.51	1.72
			For Clear Birch, Add	0.88	
			For Clear Mahogany, Oak, Maple Or Walnut, Add	1.81	
			For Stain Grade Material (No Finger Joints), Add	0.50	
			For Clear Poplar, Add	0.55	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	10.58	1.95
			For Clear Birch, Add	1.36	
			For Clear Mahogany, Oak, Maple Or Walnut, Add	2.55	
			For Stain Grade Material (No Finger Joints), Add	0.77	
			For Clear Poplar, Add	0.85	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe	6.87	2.18
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	6.65	2.18
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.18	2.18
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	8.51	2.07
			For Birch, Add	1.25	
			For Mahogany, Oak, Maple Or Walnut, Add	2.22	
			For Poplar, Add	0.78	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	10.49	2.07
			For Birch, Add	1.88	
			For Mahogany, Oak, Maple Or Walnut, Add	3.11	
			For Poplar, Add	1.18	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	6.31	2.07
			For Birch, Add	0.92	
			For Mahogany, Oak, Maple Or Walnut, Add	1.63	
			For Poplar, Add	0.57	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	6.38	2.07
			For Birch, Add	0.64	
			For Mahogany, Oak, Maple, Or Walnut, Add	1.26	
			For Poplar, Add	0.80	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	8.01	2.18
			For Birch, Add	1.16	
			For Mahogany, Oak, Maple, Or Walnut, Add	1.93	
			For Poplar, Add	1.45	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	11.13	2.30
			For Birch, Add	2.21	
			For Mahogany, Oak, Maple, Or Walnut, Add	3.26	
			For Poplar, Add	2.76	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	12.85	2.30
			For Birch, Add	2.74	
			For Mahogany, Oak, Maple, Or Walnut, Add	3.95	
			For Poplar, Add	3.43	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	14.82	2.42
			For Birch, Add	3.37	
			For Mahogany, Oak, Maple, Or Walnut, Add	4.75	
			For Poplar, Add	4.21	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	19.07	2.65
			For Birch, Add	4.79	
			For Mahogany, Oak, Maple, Or Walnut, Add	6.57	
			For Poplar, Add	5.99	
06 46 29 Wood Fasciae and Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	5.41	2.30
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	6.19	2.56
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	6.70	2.68
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board	7.87	3.00
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	5.35	2.30
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	6.10	2.56
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	6.82	2.68
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	8.24	3.00
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia	7.30	2.30
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia	8.67	2.56
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia	9.90	2.68
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia	12.83	3.00

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015 Cedar Fascia Board (06 46 29 00-0001)					
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board.....	5.80		2.30
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board.....	6.79		2.56
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board.....	7.86		2.68
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board.....	9.51		3.00
06 46 29 00-0020 Engineered Wood Fascia Board (06 46 29 00-0001)					
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board.....	5.19		2.30
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board.....	5.89		2.56
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board.....	7.17		3.00
06 46 29 00-0024 Soffit (06 46 29)					
06 46 29 00-0025 Sanded Plywood Soffit (06 46 29 00-0024)					
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit.....	4.40		1.74
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit.....	4.79		1.83
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit.....	5.04		1.91
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit.....	5.52		2.02
06 46 29 00-0030 MDO Plywood Soffit (06 46 29 00-0024)					
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit.....	4.82		1.74
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit.....	5.34		1.83
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit.....	6.57		2.02
06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)					
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.71		1.51
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.00		1.59
06 46 36 Custom Wood Molding (06 46)					
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.					
06 46 36 00-0001 Ash (06 46 36)					
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash.....	8.05		1.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.93		
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash.....	10.19		1.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.96		
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash.....	12.33		1.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.99		
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash.....	14.45		1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.02		
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash.....	16.71		1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.08		
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash.....	18.97		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.14		
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash.....	21.08		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17		
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash.....	23.24		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20		
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash.....	25.31		1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.22		
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash.....	27.60		1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.28		
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash.....	29.78		1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32		
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	9.56		1.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.96		
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	12.35		1.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.99		
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	15.15		1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.02		
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	17.95		1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.05		
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	20.92		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.11		
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	23.85		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17		
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	26.64		1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.19		
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	29.46		1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.23		
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	32.24		1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.24		
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash.....	35.20		1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.31		
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash.....	38.05		1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.35		



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Trim			06 46	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.43 0.98	1.27
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.13 1.01	1.27
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 1.04	1.38
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.54 1.07	1.38
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.38 1.13	1.50
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.21 1.19	1.50
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.90 1.22	1.61
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.63 1.26	1.61
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.27 1.27	1.61
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.13 1.34	1.72
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.89 1.38	1.84
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.12 1.01	1.27
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.11 1.04	1.38
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.10 1.07	1.38
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.09 1.10	1.50
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.10 1.13	1.50
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.33 1.22	1.61
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.40 1.24	1.61
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.33 1.28	1.61
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.27 1.30	1.72
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.88 1.36	1.72
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	64.44 1.40	1.84
06 46 36 00-0046	LF	1-1/2" x 12-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	69.33 1.43	1.84
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.93	1.27
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.18 0.96	1.27
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.66 0.99	1.27
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.11 1.02	1.38
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.71 1.08	1.38
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.30 1.14	1.50
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.75 1.17	1.50
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.23 1.20	1.61
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.64 1.22	1.61
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.26 1.28	1.72
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.77 1.32	1.72
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.65 0.96	1.27
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.50 0.99	1.27
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.34 1.02	1.38
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.19 1.05	1.38
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.20 1.11	1.50
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.18 1.17	1.50
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.01 1.19	1.61

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	20.88	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	22.71	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	24.72	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.31	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	26.61	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	10.38	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	13.56	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	16.74	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	19.92	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	23.23	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	26.54	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	29.70	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	32.91	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	36.02	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	39.36	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	42.59	1.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	40.03	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	49.02	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	57.91	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	67.03	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	75.92	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	85.00	1.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	93.79	1.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	102.68	1.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	111.80	1.95
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0089 Birch (06 46 36)				
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch.....	7.20	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.93	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch.....	8.90	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch.....	10.61	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.99	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch.....	12.30	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch.....	14.14	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.08	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch.....	15.97	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch.....	17.65	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch.....	19.38	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch.....	21.02	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch.....	22.88	1.61
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.28	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch.....	24.63	1.72
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch.....	8.36	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch.....	10.54	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.99	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch.....	12.77	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch.....	15.00	1.38
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch.....	17.35	1.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Trim			06 46	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.65 1.17	1.50
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.87 1.19	1.50
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.12 1.23	1.61
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.29 1.24	1.61
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.63 1.31	1.72
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.90 1.35	1.72
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.71 0.98	1.27
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.56 1.01	1.27
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.41 1.04	1.38
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.25 1.07	1.38
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.23 1.13	1.50
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.21 1.19	1.50
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.03 1.22	1.61
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.91 1.26	1.61
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.69 1.27	1.61
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.69 1.34	1.72
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.59 1.38	1.84
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.84 1.01	1.27
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.68 1.04	1.38
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.52 1.07	1.38
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.37 1.10	1.50
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.24 1.13	1.50
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.32 1.22	1.61
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.15 1.24	1.61
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.04 1.28	1.61
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.83 1.30	1.72
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.30 1.36	1.72
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.71 1.40	1.84
06 46 36 00-0134 Clear Western Cedar (06 46 36)				
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.20 0.93	1.27
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.90 0.96	1.27
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.61 0.99	1.27
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.30 1.02	1.38
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.14 1.08	1.38
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.97 1.14	1.50
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.46 0.96	1.27
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.73 0.99	1.27
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.01 1.02	1.38
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.28 1.05	1.38
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.68 1.11	1.50
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.08 1.17	1.50

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.95 0.98	1.27
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.42 1.01	1.27
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.89 1.04	1.38
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.35 1.07	1.38
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.95 1.13	1.50
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.54 1.19	1.50
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 1.01	1.27
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.83 1.04	1.38
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.38 1.07	1.38
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.94 1.10	1.50
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.52 1.13	1.50
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.32 1.22	1.61
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.45 1.14	1.50
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.30 1.19	1.50
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.05 1.22	1.61
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.02 1.30	1.72
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.77 1.32	1.72
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.61 1.38	1.84
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	82.35 1.40	1.84
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	90.09 1.43	1.84
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	98.07 1.51	1.95
06 46 36 00-0168	Cherry (06 46 36)			
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.72 0.93	1.27
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.19 0.96	1.27
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.66 0.99	1.27
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.12 1.02	1.38
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.71 1.08	1.38
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.31 1.14	1.50
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.75 1.17	1.50
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.24 1.20	1.50
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.64 1.22	1.61
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.27 1.28	1.61
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.79 1.32	1.72
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.37 0.96	1.27
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.59 0.99	1.27
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.82 1.02	1.38
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.05 1.05	1.38
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.40 1.11	1.50
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.76 1.17	1.50
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.97 1.19	1.50
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.27 1.23	1.61



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Trim			06 46	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.39 1.24	1.61
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.78 1.31	1.72
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.06 1.35	1.72
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.14 0.98	1.27
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.23 1.01	1.27
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.27 1.04	1.38
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.35 1.07	1.38
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.52 1.13	1.50
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.74 1.19	1.50
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.76 1.22	1.61
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.87 1.26	1.61
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.84 1.27	1.61
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.09 1.34	1.72
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.18 1.38	1.84
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.46 1.01	1.27
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.12 1.04	1.38
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.77 1.07	1.38
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.42 1.10	1.50
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.10 1.13	1.50
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.00 1.22	1.61
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.64 1.24	1.61
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.34 1.28	1.61
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.94 1.30	1.72
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.84 1.36	1.72
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	72.45 1.40	1.84
06 46 36 00-0213 Cypress (06 46 36)				
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.93	1.27
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.18 0.96	1.27
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.66 0.99	1.27
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.11 1.02	1.38
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.71 1.08	1.38
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.30 1.14	1.50
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.13 1.17	1.50
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.66 1.20	1.50
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.54 1.22	1.61
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.36 1.28	1.61
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.84 0.96	1.27
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 0.99	1.27
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.72 1.02	1.38
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.19 1.05	1.38
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.77 1.11	1.50

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.32 1.17	1.50
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.78 1.19	1.50
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.26 1.23	1.61
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.67 1.24	1.61
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.34 1.31	1.72
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.76 1.35	1.72
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.31 1.01	1.27
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.40 1.04	1.38
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.47 1.07	1.38
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.56 1.10	1.50
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.66 1.13	1.50
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.99 1.22	1.61
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.05 1.24	1.61
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.18 1.28	1.61
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.06 1.30	1.72
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.49 1.36	1.72
06 46 36 00-0245	Fir	(06 46 36)		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.48 0.93	1.27
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.33 0.96	1.27
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.18 0.99	1.27
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.02 1.02	1.38
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.00 1.08	1.38
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.97 1.14	1.50
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.80 1.17	1.50
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.66 1.20	1.50
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.45 1.22	1.61
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.45 1.28	1.72
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.84 0.96	1.27
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 0.99	1.27
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.72 1.02	1.38
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.19 1.05	1.38
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.77 1.11	1.50
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.32 1.17	1.50
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.78 1.19	1.50
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.26 1.23	1.61
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.67 1.24	1.61
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.34 1.31	1.72
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.76 1.35	1.72
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.86 0.98	1.27
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.80 1.01	1.27
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.69 1.04	1.38



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Wood Trim			06 46

06

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.63 1.07	1.38
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.66 1.13	1.50
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.73 1.19	1.50
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.61 1.22	1.61
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.58 1.26	1.61
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.40 1.27	1.61
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.50 1.34	1.72
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.45 1.38	1.84
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 1.01	1.27
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.83 1.04	1.38
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.38 1.07	1.38
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.94 1.10	1.50
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.52 1.13	1.50
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.32 1.22	1.61
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.86 1.24	1.61
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.46 1.28	1.72
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.97 1.30	1.72
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.68 1.36	1.84
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.28 1.40	1.84
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.33 1.06	1.38
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.31 1.09	1.38
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.29 1.11	1.50
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.38 1.16	1.50
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.36 1.19	1.50
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.56 1.27	1.61
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.55 1.30	1.72
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.74 1.35	1.72
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.61 1.38	1.84
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	81.60 1.40	1.84
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.12 1.14	1.50
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.02 1.19	1.50
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	57.91 1.22	1.61
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.03 1.30	1.72
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.92 1.32	1.72
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	84.91 1.38	1.84
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	93.79 1.40	1.84
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	102.68 1.43	1.84
06 46 36 00-0307 Honduran Mahogany (06 46 36)				
06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.29 0.93	1.27
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.04 0.96	1.27
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.81 0.99	1.27

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311 LF 3/4" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.55 1.02	1.38
06 46 36 00-0312 LF 3/4" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.43 1.08	1.38
06 46 36 00-0313 LF 3/4" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.31 1.14	1.50
06 46 36 00-0314 LF 3/4" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.04 1.17	1.50
06 46 36 00-0315 LF 3/4" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.81 1.20	1.61
06 46 36 00-0316 LF 3/4" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.50 1.22	1.61
06 46 36 00-0317 LF 3/4" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.42 1.28	1.72
06 46 36 00-0318 LF 3/4" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.22 1.32	1.72
06 46 36 00-0319 LF 1" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.22 0.96	1.27
06 46 36 00-0320 LF 1" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.83 0.99	1.27
06 46 36 00-0321 LF 1" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.49 1.02	1.38
06 46 36 00-0322 LF 1" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.15 1.05	1.38
06 46 36 00-0323 LF 1" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.92 1.11	1.50
06 46 36 00-0324 LF 1" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.66 1.17	1.50
06 46 36 00-0325 LF 1" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.31 1.19	1.61
06 46 36 00-0326 LF 1" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.99 1.23	1.61
06 46 36 00-0327 LF 1" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.58 1.24	1.61
06 46 36 00-0328 LF 1" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.35 1.31	1.72
06 46 36 00-0329 LF 1" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.54 1.35	1.72
06 46 36 00-0330 LF 1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.72 0.98	1.27
06 46 36 00-0331 LF 1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.09 1.01	1.27
06 46 36 00-0332 LF 1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.41 1.04	1.38
06 46 36 00-0333 LF 1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.78 1.07	1.38
06 46 36 00-0334 LF 1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.24 1.13	1.50
06 46 36 00-0335 LF 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.74 1.19	1.61
06 46 36 00-0336 LF 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.04 1.22	1.61
06 46 36 00-0337 LF 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.45 1.26	1.61
06 46 36 00-0338 LF 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.75 1.27	1.61
06 46 36 00-0339 LF 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.23 1.34	1.72
06 46 36 00-0340 LF 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.61 1.38	1.84
06 46 36 00-0341 LF 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.65 1.01	1.27
06 46 36 00-0342 LF 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.40 1.04	1.38
06 46 36 00-0343 LF 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.15 1.07	1.38
06 46 36 00-0344 LF 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.90 1.10	1.38
06 46 36 00-0345 LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.67 1.13	1.50
06 46 36 00-0346 LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.67 1.22	1.61
06 46 36 00-0347 LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.40 1.24	1.61
06 46 36 00-0348 LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.20 1.28	1.72
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	61.89 1.30	1.72
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.80 1.36	1.72
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	73.68 1.40	1.84
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.55 1.03	1.38



Wood, Plastics, and Composites		06	06
Architectural Woodwork		06 40	
Wood Trim		06 46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	.....	25.72	1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.06	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	.....	32.84	1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.09	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	.....	40.11	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.14	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	.....	47.25	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.17	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	.....	54.63	1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.24	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	.....	61.76	1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	.....	69.05	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.32	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	.....	76.16	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.35	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	.....	83.34	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	.....	90.69	1.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.46	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	.....	22.71	1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.06	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	.....	30.46	1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.09	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	.....	39.16	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.11	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	.....	47.96	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	.....	56.65	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.19	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	.....	65.57	1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	.....	74.27	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	.....	83.08	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.35	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	.....	91.77	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	.....	100.47	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.40	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	.....	109.40	1.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.48	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	.....	52.99	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.14	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	.....	65.22	1.50
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.19	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	.....	77.35	1.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.22	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	.....	89.72	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	.....	101.85	1.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.32	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	.....	114.08	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	.....	126.20	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.40	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	.....	138.33	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.43	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	.....	150.69	1.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0383	Maple (06 46 36)				
06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	.....	7.10	1.27
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	.....	8.76	1.27
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	.....	10.42	1.27
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	.....	12.07	1.38
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	.....	13.85	1.38
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	.....	15.64	1.50
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	.....	17.27	1.50
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	.....	18.95	1.50
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	.....	20.54	1.61
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	.....	22.36	1.72
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	.....	24.06	1.72
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	.....	8.36	1.27
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	.....	10.54	1.27
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	.....	12.77	1.38
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	.....	15.00	1.38
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	.....	17.35	1.50
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	.....	19.65	1.50
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	.....	21.87	1.50
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	.....	24.12	1.61
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	.....	26.29	1.61

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404 LF 1" x 10-1/2" Custom Shaped Maple.....	27.67	1.72
06 46 36 00-0405 LF 1" x 11-1/2" Custom Shaped Maple.....	30.90	1.72
06 46 36 00-0406 LF 1-1/4" x 1-1/2" Custom Shaped Maple.....	9.43	1.27
06 46 36 00-0407 LF 1-1/4" x 2-1/2" Custom Shaped Maple.....	12.13	1.27
06 46 36 00-0408 LF 1-1/4" x 3-1/2" Custom Shaped Maple.....	14.84	1.38
06 46 36 00-0409 LF 1-1/4" x 4-1/2" Custom Shaped Maple.....	17.54	1.38
06 46 36 00-0410 LF 1-1/4" x 5-1/2" Custom Shaped Maple.....	20.37	1.50
06 46 36 00-0411 LF 1-1/4" x 6-1/2" Custom Shaped Maple.....	23.21	1.50
06 46 36 00-0412 LF 1-1/4" x 7-1/2" Custom Shaped Maple.....	25.89	1.61
06 46 36 00-0413 LF 1-1/4" x 8-1/2" Custom Shaped Maple.....	28.62	1.61
06 46 36 00-0414 LF 1-1/4" x 9-1/2" Custom Shaped Maple.....	31.26	1.61
06 46 36 00-0415 LF 1-1/4" x 10-1/2" Custom Shaped Maple.....	34.12	1.72
06 46 36 00-0416 LF 1-1/4" x 11-1/2" Custom Shaped Maple.....	36.87	1.84
06 46 36 00-0417 LF 1-1/2" x 1-1/2" Custom Shaped Maple.....	11.64	1.27
06 46 36 00-0418 LF 1-1/2" x 2-1/2" Custom Shaped Maple.....	15.40	1.38
06 46 36 00-0419 LF 1-1/2" x 3-1/2" Custom Shaped Maple.....	19.14	1.38
06 46 36 00-0420 LF 1-1/2" x 4-1/2" Custom Shaped Maple.....	22.89	1.50
06 46 36 00-0421 LF 1-1/2" x 5-1/2" Custom Shaped Maple.....	26.66	1.50
06 46 36 00-0422 LF 1-1/2" x 6-1/2" Custom Shaped Maple.....	30.66	1.61
06 46 36 00-0423 LF 1-1/2" x 7-1/2" Custom Shaped Maple.....	34.39	1.61
06 46 36 00-0424 LF 1-1/2" x 8-1/2" Custom Shaped Maple.....	38.66	1.72
06 46 36 00-0425 LF 1-1/2" x 9-1/2" Custom Shaped Maple.....	41.87	1.72
06 46 36 00-0426 LF 1-1/2" x 10-1/2" Custom Shaped Maple.....	45.87	1.84
06 46 36 00-0427 LF 1-1/2" x 11-1/2" Custom Shaped Maple.....	49.57	1.84
06 46 36 00-0428 LF 2" x 1-1/2" Custom Shaped Maple.....	15.21	1.38
06 46 36 00-0429 LF 2" x 2-1/2" Custom Shaped Maple.....	20.72	1.38
06 46 36 00-0430 LF 2" x 3-1/2" Custom Shaped Maple.....	26.17	1.38
06 46 36 00-0431 LF 2" x 4-1/2" Custom Shaped Maple.....	31.77	1.50
06 46 36 00-0432 LF 2" x 5-1/2" Custom Shaped Maple.....	37.24	1.50
06 46 36 00-0433 LF 2" x 6-1/2" Custom Shaped Maple.....	42.96	1.61
06 46 36 00-0434 LF 2" x 7-1/2" Custom Shaped Maple.....	48.42	1.61
06 46 36 00-0435 LF 2" x 8-1/2" Custom Shaped Maple.....	54.03	1.72
06 46 36 00-0436 LF 2" x 9-1/2" Custom Shaped Maple.....	59.48	1.72
06 46 36 00-0437 LF 2" x 10-1/2" Custom Shaped Maple.....	64.99	1.84
06 46 36 00-0438 LF 2" x 11-1/2" Custom Shaped Maple.....	71.15	1.95
06 46 36 00-0439 LF 3-1/2" x 3-1/2" Custom Shaped Maple.....	56.81	1.50
06 46 36 00-0440 LF 3-1/2" x 4-1/2" Custom Shaped Maple.....	69.99	1.50
06 46 36 00-0441 LF 3-1/2" x 5-1/2" Custom Shaped Maple.....	83.07	1.61
06 46 36 00-0442 LF 3-1/2" x 6-1/2" Custom Shaped Maple.....	96.39	1.72
06 46 36 00-0443 LF 3-1/2" x 7-1/2" Custom Shaped Maple.....	109.47	1.72
06 46 36 00-0444 LF 3-1/2" x 8-1/2" Custom Shaped Maple.....	122.66	1.84
06 46 36 00-0445 LF 3-1/2" x 9-1/2" Custom Shaped Maple.....	135.73	1.84
06 46 36 00-0446 LF 3-1/2" x 10-1/2" Custom Shaped Maple.....	148.81	1.84
06 46 36 00-0447 LF 3-1/2" x 11-1/2" Custom Shaped Maple.....	162.13	1.95
06 46 36 00-0448 Appl Soft Maple (06 46 36)		
06 46 36 00-0449 LF 3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	7.20	1.27
06 46 36 00-0450 LF 3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	8.90	1.27
06 46 36 00-0451 LF 3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	10.61	1.27
06 46 36 00-0452 LF 3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	12.30	1.38
06 46 36 00-0453 LF 3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	14.14	1.38
06 46 36 00-0454 LF 3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	15.97	1.50
06 46 36 00-0455 LF 3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	17.65	1.50
06 46 36 00-0456 LF 3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	19.38	1.50
06 46 36 00-0457 LF 3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	21.02	1.61
06 46 36 00-0458 LF 3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	22.88	1.72
06 46 36 00-0459 LF 3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	24.63	1.72
06 46 36 00-0460 LF 1" x 1-1/2" Custom Shaped Appl Soft Maple.....	8.13	1.27
06 46 36 00-0461 LF 1" x 2-1/2" Custom Shaped Appl Soft Maple.....	10.21	1.27
06 46 36 00-0462 LF 1" x 3-1/2" Custom Shaped Appl Soft Maple.....	12.29	1.38
06 46 36 00-0463 LF 1" x 4-1/2" Custom Shaped Appl Soft Maple.....	14.33	1.38
06 46 36 00-0464 LF 1" x 5-1/2" Custom Shaped Appl Soft Maple.....	16.63	1.50
06 46 36 00-0465 LF 1" x 6-1/2" Custom Shaped Appl Soft Maple.....	18.84	1.50
06 46 36 00-0466 LF 1" x 7-1/2" Custom Shaped Appl Soft Maple.....	20.92	1.50
06 46 36 00-0467 LF 1" x 8-1/2" Custom Shaped Appl Soft Maple.....	23.02	1.61
06 46 36 00-0468 LF 1" x 9-1/2" Custom Shaped Appl Soft Maple.....	25.09	1.61
06 46 36 00-0469 LF 1" x 10-1/2" Custom Shaped Appl Soft Maple.....	27.34	1.72
06 46 36 00-0470 LF 1" x 11-1/2" Custom Shaped Appl Soft Maple.....	29.47	1.72
06 46 36 00-0471 LF 1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	9.00	1.27
06 46 36 00-0472 LF 1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	11.51	1.27
06 46 36 00-0473 LF 1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	13.98	1.38
06 46 36 00-0474 LF 1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	16.49	1.38
06 46 36 00-0475 LF 1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	19.09	1.50
06 46 36 00-0476 LF 1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	21.73	1.50
06 46 36 00-0477 LF 1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	24.17	1.61
06 46 36 00-0478 LF 1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	26.72	1.61
06 46 36 00-0479 LF 1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	29.11	1.61
06 46 36 00-0480 LF 1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	31.79	1.72
06 46 36 00-0481 LF 1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	34.30	1.84
06 46 36 00-0482 LF 1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple.....	10.69	1.27



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Wood Trim			06 46

06

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	13.97	1.38
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	17.23	1.38
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	20.51	1.50
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	23.80	1.50
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	27.32	1.61
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	30.58	1.61
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	33.89	1.72
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	37.11	1.72
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	40.53	1.84
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	43.85	1.84
06 46 36 00-0493	Red Oak (06 46 36)			
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	7.67	1.27
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	9.61	1.27
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	11.56	1.27
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	13.50	1.38
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	15.57	1.38
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	17.64	1.50
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	19.56	1.50
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	21.52	1.50
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	23.40	1.61
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	25.50	1.72
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	27.49	1.72
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	9.17	1.27
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	11.83	1.27
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	14.44	1.38
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	18.05	1.38
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	19.82	1.50
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	22.61	1.50
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	25.21	1.50
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	27.84	1.61
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	30.43	1.61
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	33.25	1.72
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	35.91	1.72
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	11.29	1.27
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	14.94	1.27
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	18.55	1.38
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	22.21	1.38
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	25.95	1.50
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	29.74	1.50
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	33.33	1.61
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	37.01	1.61
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	40.55	1.61
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	44.37	1.72
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	48.03	1.84
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	15.65	1.27
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	21.40	1.38
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	27.15	1.38
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	32.90	1.38
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	38.67	1.50
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	44.76	1.61
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	50.40	1.61
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	57.15	1.72
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	61.89	1.72
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	67.80	1.72
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	73.59	1.84
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	23.79	1.38
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	33.59	1.38
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	43.33	1.38
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	53.22	1.50
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	62.98	1.50
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	72.98	1.61
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	82.73	1.61
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	92.64	1.72
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	102.38	1.72
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	112.17	1.84
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	122.15	1.95
06 46 36 00-0549	White Oak (06 46 36)			
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	7.77	1.27
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	9.76	1.27
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	11.76	1.27
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	13.73	1.38
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	15.85	1.38
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	17.97	1.50
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	19.94	1.50
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	21.95	1.50
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	23.88	1.61
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	26.03	1.72

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	28.07	1.72	
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	9.17	1.27	
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	11.83	1.27	
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	14.44	1.38	
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	18.05	1.38	
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	19.82	1.50	
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	22.61	1.50	
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	25.21	1.50	
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	27.84	1.61	
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	30.43	1.61	
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	33.25	1.72	
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	35.91	1.72	
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	11.43	1.27	
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	15.13	1.27	
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	18.84	1.38	
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	22.54	1.38	
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	26.38	1.50	
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	30.21	1.50	
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	33.90	1.61	
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	37.63	1.61	
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	41.27	1.61	
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	45.13	1.72	
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	48.89	1.84	
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	18.51	1.27	
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	25.69	1.38	
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	32.87	1.38	
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	40.05	1.50	
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	47.25	1.50	
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	54.68	1.61	
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	61.84	1.61	
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	69.07	1.72	
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	75.24	1.72	
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	83.52	1.84	
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	90.75	1.84	
06 46 36 00-0594 White Pine (06 46 36)					
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	8.63	1.27	
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	11.04	1.27	
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	13.47	1.27	
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	15.88	1.38	
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	18.43	1.38	
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	20.97	1.50	
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	23.37	1.50	
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	25.81	1.50	
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	29.60	1.61	
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	32.32	1.72	
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	9.65	1.27	
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	12.55	1.27	
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	15.39	1.38	
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	18.29	1.38	
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	21.25	1.50	
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	24.28	1.50	
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	27.11	1.50	
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	30.03	1.61	
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	32.82	1.61	
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	35.87	1.72	
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	38.77	1.72	
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	10.86	1.27	
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	14.28	1.27	
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	17.79	1.38	
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	21.11	1.38	
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	24.66	1.50	
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	28.21	1.50	
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	31.61	1.61	
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	35.06	1.61	
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	38.41	1.61	
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	41.99	1.72	
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	45.45	1.84	
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	13.55	1.27	
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	18.26	1.38	
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	22.95	1.38	
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	27.66	1.50	
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	32.38	1.50	
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	37.33	1.61	
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	42.01	1.61	
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	46.76	1.72	
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	52.36	1.72	
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	56.26	1.84	
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	61.01	1.84	
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	20.69	1.38	



Wood, Plastics, and Composites		06
Architectural Woodwork		06 40
Wood Trim		06 46

06

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	28.92	1.38
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	37.13	1.38
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	45.45	1.50
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	53.69	1.50
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	62.12	1.61
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	70.34	1.61
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	78.67	1.72
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	86.89	1.72
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	95.11	1.84
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	103.56	1.95
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	24.62	1.38
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	34.75	1.38
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	44.88	1.50
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	55.10	1.50
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	65.23	1.50
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	75.58	1.61
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	85.71	1.72
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	95.95	1.72
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	106.07	1.84
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	116.20	1.84
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	126.56	1.95
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	62.14	1.50
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	76.66	1.50
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	91.08	1.61
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	105.73	1.72
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	120.15	1.72
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	134.67	1.84
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	149.08	1.84
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	163.49	1.84
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	178.14	1.95
06 46 36 00-0669 Clear Yellow Pine (06 46 36)				
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	5.96	1.27
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.04	1.27
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	8.13	1.27
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	9.21	1.38
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	10.42	1.38
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	11.63	1.50
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	12.70	1.50
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	13.80	1.50
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	6.79	1.27
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	8.26	1.27
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	9.67	1.38
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	11.14	1.38
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	12.67	1.50
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	14.27	1.50
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	16.15	1.50
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	17.68	1.61
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	7.83	1.27
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	9.68	1.38
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	11.51	1.38
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	13.36	1.50
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	15.23	1.50
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	17.31	1.61
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	19.14	1.61
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	21.02	1.72
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	24.24	1.72
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	24.99	1.84
06 46 36 00-0696 Poplar (06 46 36)				
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	6.24	1.27
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	7.47	1.27
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	8.70	1.27
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	9.92	1.38
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	11.28	1.38
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	12.63	1.50
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	13.84	1.50
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	15.09	1.50
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	16.25	1.61
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	17.64	1.72
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	19.01	1.72
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	7.17	1.27
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	8.78	1.27
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	10.39	1.38
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	12.00	1.38
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	13.77	1.50
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	15.51	1.50
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	17.11	1.50
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	18.73	1.61

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	20.33	1.61	
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	22.10	1.72	
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	23.75	1.72	
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	8.00	1.27	
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	9.99	1.27	
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	11.98	1.38	
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	13.96	1.38	
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	16.08	1.50	
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	18.20	1.50	
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	20.17	1.61	
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	22.19	1.61	
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	24.11	1.61	
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	26.26	1.72	
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	28.30	1.84	
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	9.93	1.27	
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	12.82	1.38	
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	15.71	1.38	
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	18.60	1.50	
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	21.52	1.50	
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	24.65	1.61	
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	27.53	1.61	
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	30.46	1.72	
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	33.29	1.72	
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	36.34	1.84	
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	39.27	1.84	
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	12.83	1.38	
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	17.15	1.38	
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	21.40	1.38	
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	25.82	1.50	
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	30.09	1.50	
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	34.62	1.61	
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	38.88	1.61	
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	43.31	1.72	
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	47.56	1.72	
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	51.88	1.84	
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	56.37	1.95	
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	15.75	1.38	
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	21.45	1.38	
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	27.15	1.50	
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	32.94	1.50	
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	38.64	1.50	
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	44.56	1.61	
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	50.25	1.72	
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	56.06	1.72	
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	61.74	1.84	
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	67.44	1.84	
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	73.37	1.95	
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	36.98	1.50	
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	45.21	1.50	
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	53.33	1.61	
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	61.79	1.72	
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	69.82	1.72	
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	78.04	1.84	
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	86.16	1.84	
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	94.29	1.84	
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	102.65	1.95	
06 46 36 00-0772 Clear Heart Redwood (06 46 36)					
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	7.58	1.27	
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	9.47	1.27	
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	11.37	1.27	
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	13.26	1.38	
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	15.28	1.38	
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	17.30	1.50	
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	21.08	1.50	
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	23.24	1.50	
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	23.35	1.61	
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	24.98	1.72	
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	9.08	1.27	
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	11.64	1.27	
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	14.20	1.38	
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	16.76	1.38	
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	19.49	1.50	
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	22.18	1.50	
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	28.07	1.50	
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	31.08	1.61	
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	34.01	1.61	
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	37.16	1.72	
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	11.84	1.27	
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	15.68	1.38	



Wood, Plastics, and Composites			06
Architectural Woodwork			06 40
Wood Trim			06 46

06

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	19.52	1.38	
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	23.37	1.50	
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	27.24	1.50	
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	31.42	1.61	
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	42.01	1.61	
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	46.76	1.72	
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	55.22	1.72	
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	60.46	1.84	
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	58.33	1.50	
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	71.90	1.50	
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	85.36	1.61	
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	99.06	1.72	
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	112.52	1.72	
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	126.09	1.84	
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	139.54	1.84	
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	153.01	1.84	
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	166.70	1.95	
06 46 36 00-0812 Teak (06 46 36)					
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	20.35	1.27	
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	28.63	1.27	
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	36.92	1.27	
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	45.19	1.38	
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	53.60	1.38	
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	62.01	1.50	
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	70.27	1.50	
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	78.57	1.50	
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	86.79	1.61	
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	95.23	1.72	
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	103.56	1.72	
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	46.53	1.27	
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	53.43	1.38	
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	69.85	1.38	
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	86.28	1.50	
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	102.73	1.50	
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	118.93	1.61	
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	135.81	1.61	
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	152.28	1.72	
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	168.65	1.72	
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	185.23	1.84	
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	201.70	1.84	
06 46 36 00-0835 Walnut (06 46 36)					
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	11.29	1.27	
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	15.05	1.27	
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	18.81	1.27	
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	22.55	1.38	
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	26.43	1.38	
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	30.32	1.50	
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	34.05	1.50	
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	37.82	1.50	
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	41.51	1.61	
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	45.43	1.72	
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	49.23	1.72	
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	13.46	1.27	
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	18.26	1.27	
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	23.02	1.38	
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	27.82	1.38	
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	32.69	1.50	
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	37.62	1.50	
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	42.37	1.50	
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	47.19	1.61	
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	51.88	1.61	
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	56.84	1.72	
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	61.64	1.72	
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	16.43	1.27	
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	22.66	1.27	
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	28.85	1.38	
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	35.08	1.38	
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	41.39	1.50	
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	47.75	1.50	
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	53.92	1.61	
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	60.18	1.61	
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	66.29	1.61	
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	72.68	1.72	
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	78.91	1.84	
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	22.13	1.27	
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	31.13	1.38	
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	40.11	1.38	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872 LF 1-1/2" x 4-1/2" Custom Shaped Walnut	49.11	1.50
06 46 36 00-0873 LF 1-1/2" x 5-1/2" Custom Shaped Walnut	58.12	1.50
06 46 36 00-0874 LF 1-1/2" x 6-1/2" Custom Shaped Walnut	67.36	1.61
06 46 36 00-0875 LF 1-1/2" x 7-1/2" Custom Shaped Walnut	76.33	1.61
06 46 36 00-0876 LF 1-1/2" x 8-1/2" Custom Shaped Walnut	85.37	1.72
06 46 36 00-0877 LF 1-1/2" x 9-1/2" Custom Shaped Walnut	95.25	1.72
06 46 36 00-0878 LF 1-1/2" x 10-1/2" Custom Shaped Walnut	103.45	1.84
06 46 36 00-0879 LF 1-1/2" x 11-1/2" Custom Shaped Walnut	112.48	1.84
06 46 36 00-0880 LF 2" x 1-1/2" Custom Shaped Walnut.....	36.90	1.38
06 46 36 00-0881 LF 2" x 2-1/2" Custom Shaped Walnut.....	53.23	1.38
06 46 36 00-0882 LF 2" x 3-1/2" Custom Shaped Walnut.....	69.54	1.38
06 46 36 00-0883 LF 2" x 4-1/2" Custom Shaped Walnut.....	85.97	1.50
06 46 36 00-0884 LF 2" x 5-1/2" Custom Shaped Walnut.....	102.30	1.50
06 46 36 00-0885 LF 2" x 6-1/2" Custom Shaped Walnut.....	118.84	1.61
06 46 36 00-0886 LF 2" x 7-1/2" Custom Shaped Walnut.....	135.16	1.61
06 46 36 00-0887 LF 2" x 8-1/2" Custom Shaped Walnut.....	151.60	1.72
06 46 36 00-0888 LF 2" x 9-1/2" Custom Shaped Walnut.....	167.91	1.72
06 46 36 00-0889 LF 2" x 10-1/2" Custom Shaped Walnut.....	184.24	1.84
06 46 36 00-0890 LF 2" x 11-1/2" Custom Shaped Walnut.....	200.79	1.95
06 46 36 00-0891 LF 2-1/2" x 1-1/2" Custom Shaped Walnut	46.07	1.38
06 46 36 00-0892 LF 2-1/2" x 2-1/2" Custom Shaped Walnut	66.92	1.38
06 46 36 00-0893 LF 2-1/2" x 3-1/2" Custom Shaped Walnut	87.77	1.50
06 46 36 00-0894 LF 2-1/2" x 4-1/2" Custom Shaped Walnut	108.72	1.50
06 46 36 00-0895 LF 2-1/2" x 5-1/2" Custom Shaped Walnut	129.58	1.50
06 46 36 00-0896 LF 2-1/2" x 6-1/2" Custom Shaped Walnut	150.65	1.61
06 46 36 00-0897 LF 2-1/2" x 7-1/2" Custom Shaped Walnut	171.50	1.72
06 46 36 00-0898 LF 2-1/2" x 8-1/2" Custom Shaped Walnut	192.47	1.72
06 46 36 00-0899 LF 2-1/2" x 9-1/2" Custom Shaped Walnut	213.31	1.84
06 46 36 00-0900 LF 2-1/2" x 10-1/2" Custom Shaped Walnut	234.16	1.84
06 46 36 00-0901 LF 2-1/2" x 11-1/2" Custom Shaped Walnut	255.25	1.95

06 48 Wood Frames (06 40)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)**06 48 13 00-0001 Exterior Door Frames** (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002 EA 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	322.61	65.26
For Birch, Add	67.27	
For Mahogany, Add	163.38	
06 48 13 00-0003 EA 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	339.25	68.39
For Birch, Add	71.08	
For Mahogany, Add	172.62	
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	355.91	71.05
For Birch, Add	74.88	
For Mahogany, Add	181.85	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	387.81	76.04
For Birch, Add	82.48	
For Mahogany, Add	200.30	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	420.40	81.48
For Birch, Add	90.09	
For Mahogany, Add	218.78	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	484.02	65.49
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	492.73	68.39
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	501.41	71.28
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	516.55	75.93
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	534.11	81.72
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	378.28	65.49
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	396.54	68.39
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	414.90	71.28
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	449.11	75.93
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	485.64	81.72

06 48 16 Interior Wood Door Frames (06 48)**06 48 16 00-0001 Interior Door Frames** (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	161.58	31.07
For Oak Or Maple, Add	30.84	
For Birch, Add	34.82	
For Mahogany, Add	84.56	
For Walnut Frame, Add	44.77	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	162.72	31.18
For Oak Or Maple, Add	31.10	
For Birch, Add	35.11	
For Mahogany, Add	85.27	
For Walnut Frame, Add	45.14	



Wood, Plastics, and Composites			06	06
Architectural Woodwork			06 40	
Wood Frames			06 48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	164.68	31.76
		For Oak Or Maple, Add		31.33	
		For Birch, Add		35.37	
		For Mahogany, Add		85.91	
		For Walnut Frame, Add		45.48	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	167.27	32.57
		For Oak Or Maple, Add		31.64	
		For Birch, Add		35.72	
		For Mahogany, Add		86.76	
		For Walnut Frame, Add		45.93	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	171.11	33.38
		For Oak Or Maple, Add		32.31	
		For Birch, Add		36.48	
		For Mahogany, Add		88.60	
		For Walnut Frame, Add		46.90	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	180.73	35.47
		For Oak Or Maple, Add		34.02	
		For Birch, Add		38.41	
		For Mahogany, Add		93.28	
		For Walnut Frame, Add		49.38	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	192.07	38.37
		For Oak Or Maple, Add		35.73	
		For Birch, Add		40.34	
		For Mahogany, Add		97.98	
		For Walnut Frame, Add		51.87	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	.....	202.28	40.80
		For Oak Or Maple, Add		37.44	
		For Birch, Add		42.27	
		For Mahogany, Add		102.66	
		For Walnut Frame, Add		54.35	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	.....	7.39	2.78
		For Oak Or Maple, Add		0.56	
		For Birch, Add		0.64	
		For Mahogany, Add		1.55	
		For Walnut Frame, Add		0.82	

06 49 Wood Screens and Exterior Wood Shutters (06 40)

06 49 19 Exterior Wood Shutters (06 49)

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes and Plates (06 50)

06 51 13 Plastic Lumber (06 51)

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	.....	13.43	1.87
		For Reinforced Structural Plastic Lumber, Add		3.98	
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add		0.65	
		For White Color, Add		1.35	
		For Premium Colors (Except Gray, Black, Brown Or White), Add		2.80	
		For >750, Deduct		-0.97	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	.....	17.23	2.03
		For Reinforced Structural Plastic Lumber, Add		5.30	
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add		0.86	
		For White Color, Add		1.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add		3.72	
		For >750, Deduct		-1.29	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	.....	20.66	2.19
		For Reinforced Structural Plastic Lumber, Add		6.49	
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add		1.05	
		For White Color, Add		2.19	
		For Premium Colors (Except Gray, Black, Brown Or White), Add		4.56	
		For >750, Deduct		-1.58	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	.....	30.29	2.60
		For Reinforced Structural Plastic Lumber, Add		9.83	
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add		1.59	
		For White Color, Add		3.32	
		For Premium Colors (Except Gray, Black, Brown Or White), Add		6.91	
		For >750, Deduct		-2.39	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	.....	36.31	2.93
		For Reinforced Structural Plastic Lumber, Add		11.89	
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add		1.93	
		For White Color, Add		4.02	
		For Premium Colors (Except Gray, Black, Brown Or White), Add		8.35	
		For >750, Deduct		-2.89	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0007 LF 4" x 4", Beam Or Girder, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	19.41 5.85 0.95 1.98 4.11 -1.58	2.52
06 51 13 00-0008 LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	26.29 8.31 1.35 2.81 5.84 -2.25	2.68
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	27.36 8.67 1.41 2.93 6.09 -2.34	2.76
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	37.91 12.44 2.02 4.20 8.74 -3.36	3.01
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	51.90 17.53 2.84 5.92 12.32 -4.74	3.17
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	8.77 2.69 0.44 0.91 1.89 -0.65	1.05
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	12.28 3.98 0.65 1.35 2.80 -0.97	1.10
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	16.06 5.30 0.86 1.79 3.72 -1.29	1.22
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	19.61 6.49 1.05 2.19 4.56 -1.58	1.46
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	29.01 9.83 1.59 3.32 6.91 -2.39	1.71
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >750, Deduct	35.26 11.89 1.93 4.02 8.35 -2.89	2.19
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High-density polyethylene combined with fiberglass. For Brown Color With Wood Grain, Add For White Color, Add For Premium Colors (Except Gray, Black, Brown Or White), Add For >500, Deduct	18.01 5.85 0.95 1.98 4.11 -1.58	1.54



Wood, Plastics, and Composites			06	06
Structural Plastics			06 50	
Structural Plastic Shapes and Plates			06 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber.....	24.78	1.63	
		For Reinforced Structural Plastic Lumber, Add	8.31		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.35		
		For White Color, Add	2.81		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
		For >500, Deduct	-2.25		
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber.....	25.97	1.79	
		For Reinforced Structural Plastic Lumber, Add	8.67		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.41		
		For White Color, Add	2.93		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
		For >500, Deduct	-2.34		
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber.....	36.52	2.03	
		For Reinforced Structural Plastic Lumber, Add	12.44		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.02		
		For White Color, Add	4.20		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74		
		For >500, Deduct	-3.36		
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber.....	50.50	2.19	
		For Reinforced Structural Plastic Lumber, Add	17.53		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.84		
		For White Color, Add	5.92		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32		
		For >500, Deduct	-4.74		
06 51 13 00-0024		Columns, Recycled Plastic Lumber (06 51 13)			
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber.....	20.56	3.32	
		For Reinforced Structural Plastic Lumber, Add	5.85		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.95		
		For White Color, Add	1.98		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11		
		For >500, Deduct	-1.58		
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber.....	29.19	4.70	
		For Reinforced Structural Plastic Lumber, Add	8.31		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.35		
		For White Color, Add	2.81		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
		For >500, Deduct	-2.25		
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber.....	30.96	5.27	
		For Reinforced Structural Plastic Lumber, Add	8.67		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.41		
		For White Color, Add	2.93		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
		For >500, Deduct	-2.34		
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber.....	42.19	6.00	
		For Reinforced Structural Plastic Lumber, Add	12.44		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.02		
		For White Color, Add	4.20		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74		
		For >500, Deduct	-3.36		
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber.....	57.91	7.39	
		For Reinforced Structural Plastic Lumber, Add	17.53		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.84		
		For White Color, Add	5.92		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32		
		For >500, Deduct	-4.74		
06 51 13 00-0030		Walls, Recycled Plastic Lumber (06 51 13)			
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber.....	7.86	1.05	
		For Reinforced Structural Plastic Lumber, Add	2.35		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.38		
		For White Color, Add	0.79		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.65		
		For >750, Deduct	-0.57		
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber.....	9.01	1.22	
		For Reinforced Structural Plastic Lumber, Add	2.69		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.44		
		For White Color, Add	0.91		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.89		
		For >750, Deduct	-0.65		

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.62	1.30
		For Reinforced Structural Plastic Lumber, Add	3.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.65	
		For White Color, Add	1.35	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80	
		For >750, Deduct	-0.97	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.29	1.38
		For Reinforced Structural Plastic Lumber, Add	5.30	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.86	
		For White Color, Add	1.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72	
		For >750, Deduct	-1.29	
06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)				
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.68	0.92
		For Reinforced Structural Plastic Lumber, Add	2.32	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.78	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.63	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.41	
		For >750, Deduct	-0.56	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	9.80	1.05
		For Reinforced Structural Plastic Lumber, Add	3.07	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.50	
		For White Color, Add	1.04	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.16	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.41	
		For >750, Deduct	-0.75	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	12.89	1.05
		For Reinforced Structural Plastic Lumber, Add	4.21	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.68	
		For White Color, Add	1.42	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.96	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.41	
		For >750, Deduct	-1.03	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.72	0.92
		For Reinforced Structural Plastic Lumber, Add	2.33	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.64	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.41	
		For >750, Deduct	-0.57	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.54	1.05
		For Reinforced Structural Plastic Lumber, Add	2.60	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.42	
		For White Color, Add	0.88	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.83	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.41	
		For >750, Deduct	-0.63	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.70	1.05
		For Reinforced Structural Plastic Lumber, Add	2.66	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.43	
		For White Color, Add	0.90	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.87	
		For >750, Deduct	-0.65	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.29	0.89
		For Reinforced Structural Plastic Lumber, Add	1.48	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.24	
		For White Color, Add	0.50	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.04	
		For >750, Deduct	-0.36	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	7.86	1.05
		For Reinforced Structural Plastic Lumber, Add	2.35	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.65	
		For >750, Deduct	-0.57	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.01	1.22
		For Reinforced Structural Plastic Lumber, Add	2.69	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.44	
		For White Color, Add	0.91	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.89	
		For >750, Deduct	-0.65	



Wood, Plastics, and Composites			06	06
Structural Plastics			06 50	
Structural Plastic Shapes and Plates			06 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.62	1.30
		For Reinforced Structural Plastic Lumber, Add	3.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.65	
		For White Color, Add	1.35	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80	
		For >750, Deduct	-0.97	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.29	1.38
		For Reinforced Structural Plastic Lumber, Add	5.30	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.86	
		For White Color, Add	1.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72	
		For >750, Deduct	-1.29	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	19.61	1.46
		For Reinforced Structural Plastic Lumber, Add	6.49	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.05	
		For White Color, Add	2.19	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.56	
		For >750, Deduct	-1.58	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	23.75	1.54
		For Reinforced Structural Plastic Lumber, Add	7.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.29	
		For White Color, Add	2.70	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.61	
		For >750, Deduct	-1.94	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	12.96	1.42
		For Reinforced Structural Plastic Lumber, Add	4.04	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.66	
		For White Color, Add	1.37	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.84	
		For >750, Deduct	-0.98	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.12	1.51
		For Reinforced Structural Plastic Lumber, Add	6.28	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.02	
		For White Color, Add	2.12	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.41	
		For >750, Deduct	-1.53	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	24.99	1.63
		For Reinforced Structural Plastic Lumber, Add	8.40	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.36	
		For White Color, Add	2.84	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.90	
		For >750, Deduct	-2.04	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.01	1.71
		For Reinforced Structural Plastic Lumber, Add	9.83	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.59	
		For White Color, Add	3.32	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.91	
		For >750, Deduct	-2.39	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.26	2.19
		For Reinforced Structural Plastic Lumber, Add	11.89	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.93	
		For White Color, Add	4.02	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.35	
		For >750, Deduct	-2.89	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.01	1.54
		For Reinforced Structural Plastic Lumber, Add	5.85	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.95	
		For White Color, Add	1.98	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11	
		For >500, Deduct	-1.58	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	24.78	1.63
		For Reinforced Structural Plastic Lumber, Add	8.31	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.35	
		For White Color, Add	2.81	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84	
		For >500, Deduct	-2.25	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.40	1.76
		For Reinforced Structural Plastic Lumber, Add	11.43	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.85	
		For White Color, Add	3.86	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.03	
		For >500, Deduct	-3.09	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	25.97	1.79
		For Reinforced Structural Plastic Lumber, Add	8.67	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.41	
		For White Color, Add	2.93	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09	
		For >500, Deduct	-2.34	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	36.52	2.03
		For Reinforced Structural Plastic Lumber, Add	12.44	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.02	
		For White Color, Add	4.20	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74	
		For >500, Deduct	-3.36	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	50.50	2.19
		For Reinforced Structural Plastic Lumber, Add	17.53	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.84	
		For White Color, Add	5.92	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32	
		For >500, Deduct	-4.74	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	71.44	2.44
		For Reinforced Structural Plastic Lumber, Add	25.15	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	4.08	
		For White Color, Add	8.50	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	17.67	
		For >500, Deduct	-6.80	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	63.49	2.34
		For Reinforced Structural Plastic Lumber, Add	22.26	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	3.61	
		For White Color, Add	7.52	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	15.64	
		For >500, Deduct	-6.02	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	108.79	2.44
		For Reinforced Structural Plastic Lumber, Add	38.97	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	6.32	
		For White Color, Add	13.17	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	27.38	
		For >500, Deduct	-10.53	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.11	2.55
		For Reinforced Structural Plastic Lumber, Add	54.57	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	8.85	
		For White Color, Add	18.44	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	38.34	
		For >500, Deduct	-14.75	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.70	0.81
		For Reinforced Structural Plastic Lumber, Add	1.68	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.27	
		For White Color, Add	0.57	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.18	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.63	1.05
		For Reinforced Structural Plastic Lumber, Add	5.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.91	
		For White Color, Add	1.89	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.93	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.33	1.22
		For Reinforced Structural Plastic Lumber, Add	6.14	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.00	
		For White Color, Add	2.07	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.31	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	22.70	1.46
		For Reinforced Structural Plastic Lumber, Add	7.63	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.24	
		For White Color, Add	2.58	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.36	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	50.56	1.71
		For Reinforced Structural Plastic Lumber, Add	17.80	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.89	
		For White Color, Add	6.02	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.51	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.56	0.89
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	6.75	0.92
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	9.82	0.99
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.57	1.02

06 51 23 Plastic Channel and Shapes (06 51)



Wood, Plastics, and Composites			06
Structural Plastics			06 50
Structural Plastic Shapes and Plates			06 51

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 23 00-0001 Channel (06 51 23)		
06 51 23 00-0002 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	19.69	2.62
06 51 23 00-0003 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	35.63	2.62
06 51 23 00-0004 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	35.63	2.62
06 51 23 00-0005 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	46.25	2.62
06 51 23 00-0006 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	24.37	2.62
06 51 23 00-0007 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	40.52	2.62
06 51 23 00-0008 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	40.52	2.62
06 51 23 00-0009 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	50.72	2.62
06 51 23 00-0010 LF 1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	19.90	2.62
06 51 23 00-0011 LF 1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	31.17	2.62
06 51 23 00-0012 LF 1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	31.17	2.62
06 51 23 00-0013 LF 1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	41.79	2.62
06 51 23 00-0014 LF 1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	23.94	2.62
06 51 23 00-0015 LF 1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	35.63	2.62
06 51 23 00-0016 LF 1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	35.63	2.62
06 51 23 00-0017 LF 1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	43.70	2.62
06 51 33 Carbon Fiber Plates (06 51 33)		
06 51 33 00-0001 Carbon Fiber Plates (06 51 33)		
Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte		
06 51 33 00-0002 EA 6" x 6", 0.039" Thickness, Carbon Fiber Plates	19.91	
06 51 33 00-0003 EA 6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.43	
06 51 33 00-0004 EA 6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.33	
06 51 33 00-0005 EA 12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.33	
06 51 33 00-0006 EA 12" x 24", 0.039" Thickness, Carbon Fiber Plates	96.98	
06 51 33 00-0007 EA 12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.02	
06 51 33 00-0008 EA 24" x 24", 0.039" Thickness, Carbon Fiber Plates	180.60	
06 51 33 00-0009 EA 24" x 48", 0.039" Thickness, Carbon Fiber Plates	344.19	
06 51 33 00-0010 EA 38" x 48", 0.039" Thickness, Carbon Fiber Plates	516.72	
06 51 33 00-0011 EA 38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,029.65	
06 51 33 00-0012 EA 6" x 6", 1/16" Thickness, Carbon Fiber Plates	24.97	
06 51 33 00-0013 EA 6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.09	
06 51 33 00-0014 EA 6" x 24", 1/16" Thickness, Carbon Fiber Plates	75.85	
06 51 33 00-0015 EA 12" x 12", 1/16" Thickness, Carbon Fiber Plates	75.85	
06 51 33 00-0016 EA 12" x 24", 1/16" Thickness, Carbon Fiber Plates	134.96	
06 51 33 00-0017 EA 12" x 48", 1/16" Thickness, Carbon Fiber Plates	254.72	
06 51 33 00-0018 EA 24" x 24", 1/16" Thickness, Carbon Fiber Plates	255.30	
06 51 33 00-0019 EA 24" x 48", 1/16" Thickness, Carbon Fiber Plates	483.45	
06 51 33 00-0020 EA 38" x 48", 1/16" Thickness, Carbon Fiber Plates	731.94	
06 51 33 00-0021 EA 38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,460.09	
06 51 33 00-0022 EA 6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.04	
06 51 33 00-0023 EA 6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.16	
06 51 33 00-0024 EA 6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.25	
06 51 33 00-0025 EA 12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.25	
06 51 33 00-0026 EA 12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.21	
06 51 33 00-0027 EA 12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.21	
06 51 33 00-0028 EA 24" x 24", 0.079" Thickness, Carbon Fiber Plates	333.79	
06 51 33 00-0029 EA 24" x 48", 0.079" Thickness, Carbon Fiber Plates	553.08	
06 51 33 00-0030 EA 38" x 48", 0.079" Thickness, Carbon Fiber Plates	840.82	
06 51 33 00-0031 EA 38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,666.45	
06 51 33 00-0032 EA 6" x 6", 3/32" Thickness, Carbon Fiber Plates	33.84	
06 51 33 00-0033 EA 6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.02	
06 51 33 00-0034 EA 6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.11	
06 51 33 00-0035 EA 12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.11	
06 51 33 00-0036 EA 12" x 24", 3/32" Thickness, Carbon Fiber Plates	176.74	
06 51 33 00-0037 EA 12" x 48", 3/32" Thickness, Carbon Fiber Plates	331.94	
06 51 33 00-0038 EA 24" x 24", 3/32" Thickness, Carbon Fiber Plates	332.52	
06 51 33 00-0039 EA 24" x 48", 3/32" Thickness, Carbon Fiber Plates	635.37	
06 51 33 00-0040 EA 38" x 48", 3/32" Thickness, Carbon Fiber Plates	961.09	
06 51 33 00-0041 EA 38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,915.85	
06 51 33 00-0042 EA 6" x 6", 0.119" Thickness, Carbon Fiber Plates	38.90	
06 51 33 00-0043 EA 6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.68	
06 51 33 00-0044 EA 6" x 24", 0.119" Thickness, Carbon Fiber Plates	113.83	
06 51 33 00-0045 EA 12" x 12", 0.119" Thickness, Carbon Fiber Plates	113.83	
06 51 33 00-0046 EA 12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.59	
06 51 33 00-0047 EA 12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.18	
06 51 33 00-0048 EA 24" x 24", 0.119" Thickness, Carbon Fiber Plates	390.76	
06 51 33 00-0049 EA 24" x 48", 0.119" Thickness, Carbon Fiber Plates	741.71	
06 51 33 00-0050 EA 38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,124.40	
06 51 33 00-0051 EA 38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,238.68	
06 51 33 00-0052 EA 6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.63	
06 51 33 00-0053 EA 6" x 12", 1/8" Thickness, Carbon Fiber Plates	66.88	
06 51 33 00-0054 EA 6" x 24", 1/8" Thickness, Carbon Fiber Plates	113.83	
06 51 33 00-0055 EA 12" x 12", 1/8" Thickness, Carbon Fiber Plates	113.83	
06 51 33 00-0056 EA 12" x 24", 1/8" Thickness, Carbon Fiber Plates	190.66	
06 51 33 00-0057 EA 12" x 48", 1/8" Thickness, Carbon Fiber Plates	369.92	
06 51 33 00-0058 EA 24" x 24", 1/8" Thickness, Carbon Fiber Plates	370.50	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0059 EA 24" x 48", 1/8" Thickness, Carbon Fiber Plates	703.73	
06 51 33 00-0060 EA 38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,111.74	
06 51 33 00-0061 EA 38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,174.11	
06 51 33 00-0062 EA 6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.50	
06 51 33 00-0063 EA 6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.20	
06 51 33 00-0064 EA 6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.15	
06 51 33 00-0065 EA 12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.15	
06 51 33 00-0066 EA 12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.30	
06 51 33 00-0067 EA 12" x 48", 0.157" Thickness, Carbon Fiber Plates	459.81	
06 51 33 00-0068 EA 24" x 24", 0.157" Thickness, Carbon Fiber Plates	460.39	
06 51 33 00-0069 EA 24" x 48", 0.157" Thickness, Carbon Fiber Plates	880.97	
06 51 33 00-0070 EA 38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,334.56	
06 51 33 00-0071 EA 38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,662.79	
06 51 33 00-0072 EA 6" x 6", 3/16" Thickness, Carbon Fiber Plates	52.83	
06 51 33 00-0073 EA 6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.73	
06 51 33 00-0074 EA 6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.41	
06 51 33 00-0075 EA 12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.41	
06 51 33 00-0076 EA 12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.22	
06 51 33 00-0077 EA 12" x 48", 3/16" Thickness, Carbon Fiber Plates	529.44	
06 51 33 00-0078 EA 24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.02	
06 51 33 00-0079 EA 24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,007.57	
06 51 33 00-0080 EA 38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,524.46	
06 51 33 00-0081 EA 38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,029.93	
06 51 33 00-0082 EA 6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.09	
06 51 33 00-0083 EA 6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.06	
06 51 33 00-0084 EA 6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.34	
06 51 33 00-0085 EA 12" x 12", 0.197" Thickness, Carbon Fiber Plates	151.81	
06 51 33 00-0086 EA 12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.60	
06 51 33 00-0087 EA 12" x 48", 0.197" Thickness, Carbon Fiber Plates	534.50	
06 51 33 00-0088 EA 24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.08	
06 51 33 00-0089 EA 24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,015.17	
06 51 33 00-0090 EA 38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,542.18	
06 51 33 00-0091 EA 38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,061.58	
06 51 33 00-0092 EA 6" x 6", 1/4" Thickness, Carbon Fiber Plates	62.95	
06 51 33 00-0093 EA 6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.72	
06 51 33 00-0094 EA 6" x 24", 1/4" Thickness, Carbon Fiber Plates	189.79	
06 51 33 00-0095 EA 12" x 12", 1/4" Thickness, Carbon Fiber Plates	189.79	
06 51 33 00-0096 EA 12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.58	
06 51 33 00-0097 EA 12" x 48", 1/4" Thickness, Carbon Fiber Plates	654.77	
06 51 33 00-0098 EA 24" x 24", 1/4" Thickness, Carbon Fiber Plates	655.35	
06 51 33 00-0099 EA 24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,248.11	
06 51 33 00-0100 EA 38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,896.66	
06 51 33 00-0101 EA 38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,769.27	

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column	19.17	7.32
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column	27.25	10.64
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column	31.41	11.97
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column	37.48	12.53
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column	45.28	14.48
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns	36.76	13.86
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns	40.50	14.97
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns	47.15	16.63
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns	62.15	17.75
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns	81.55	19.41

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column	20.05	7.32
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column	28.43	10.64
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column	32.90	11.97
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column	39.98	12.53
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column	48.55	14.53
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.56	13.86
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.61	14.97
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns	49.93	16.63
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.49	17.75
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns	90.10	19.41

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns	128.84	16.63
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns	170.08	19.41
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns	216.14	22.18
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns	151.22	16.63
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns	181.57	19.41



Wood, Plastics, and Composites			06	06
Structural Plastics			06 50	
Plastic Structural Assemblies			06 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0029	EA		12" Scamozzi Cap And Base For Fiberglass Columns	260.90	22.18
06 52 13 00-0030	EA		8" Corinthian Cap And Base For Fiberglass Columns	187.51	16.63
06 52 13 00-0031	EA		10" Corinthian Cap And Base For Fiberglass Columns	226.93	19.41
06 52 13 00-0032	EA		12" Corinthian Cap And Base For Fiberglass Columns	298.41	22.18
06 52 13 00-0033	EA		8" Temple Of Winds Cap And Base For Fiberglass Columns	130.65	16.63
06 52 13 00-0034	EA		10" Temple Of Winds Cap And Base For Fiberglass Columns	173.71	19.41
06 52 13 00-0035	EA		12" Temple Of Winds Cap And Base For Fiberglass Columns	219.77	22.18
06 52 13 00-0036	EA		8" Greek Erectheum Cap And Base For Fiberglass Columns	130.65	16.63
06 52 13 00-0037	EA		10" Greek Erectheum Cap And Base For Fiberglass Columns	156.77	19.41
06 52 13 00-0038	EA		12" Greek Erectheum Cap And Base For Fiberglass Columns	204.65	22.18

06 53 Plastic Decking (06 50)

06 53 16 Plastic Stair Treads (06 53)

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	50.89	2.86
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	69.08	3.43
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	92.95	3.78

06 60 Plastic Fabrications (06)

06 65 Plastic Trim (06 60)

06 65 00 00-0001 Plastic Moldings (06 65)

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	6.28	2.30
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	7.70	2.88
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	5.94	2.42

06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	5.86	2.30
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	7.06	2.42
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	9.33	2.54
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	10.60	2.65
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	12.07	2.76
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	15.15	2.88

06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	9.64	2.30
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	12.82	2.88
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	13.31	2.88
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	13.79	2.88
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	17.84	3.45
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	20.85	3.45

06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	8.36	2.30
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	9.28	2.30
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	11.35	2.30
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	14.92	2.30

06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.34	1.27
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	3.59	1.27
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	4.66	1.50
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	4.66	1.50
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	5.74	1.50
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	7.43	1.72
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	9.70	1.72

06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	5.47	1.72
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	7.36	2.30
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	8.76	2.30

06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	4.96	2.07
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.00	2.07

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 65 00 00-0040**Trim, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	5.32	2.42
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	7.43	2.42
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding.....	6.54	2.30
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	7.45	2.30
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding.....	5.66	2.30
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding.....	8.11	2.30
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding.....	6.16	2.30

06 65 00 00-0048**Extruded Polyvinyl Chloride (PVC) Trimboard** (06 65)

Note: As manufactured by Azek or Kleer. All dimensions are nominal.

06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.80	0.92
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.37	1.04
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.00	1.15
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.39	1.18
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.92	1.21
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.61	0.92
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.62	1.04
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.39	1.15
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	10.30	1.18
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	12.05	1.21
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	9.86	1.18
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	13.00	1.21
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.94	1.04
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	9.93	1.15

06 70 Structural Composites (06)**06 74 Composite Gratings** (06 70)**06 74 13 Fiberglass Reinforced Gratings** (06 74)**06 74 13 00-0001 Molded Fiberglass Gratings And Coverings** (06 74 13)**06 74 13 00-0002 Vi-Corr Resin System** (06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	38.44	2.06
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	37.36	2.06
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	48.53	2.06
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	52.68	2.64
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	40.30	2.06
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	39.18	2.06
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	51.22	2.06
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	55.21	2.64
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	36.31	1.65
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	58.52	1.81
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	80.02	1.99

06 74 13 00-0014**IFR Fire Retardant Isophthalic Resin** (06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	35.41	2.06
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	33.21	2.06
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	42.53	2.06
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	46.02	2.64
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	36.94	2.06
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	34.08	2.06
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	46.34	2.64
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	48.53	2.64
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	32.08	1.65
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	45.23	1.81
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	61.95	1.99

06 74 13 00-0026**Corvex Polyester Resin** (06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	30.16	2.06
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	28.99	2.06
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	34.99	2.06
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	40.30	2.64
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	32.09	2.06
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	30.91	2.06
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	37.23	2.06
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	42.22	2.64
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering.....	28.39	1.65
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering.....	45.03	1.81
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering.....	62.27	1.99



Wood, Plastics, and Composites		06
Structural Composites		06 70
Composite Gratings		06 74

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	44.03	2.06
06 74 13 00-0040 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	42.77	2.06
06 74 13 00-0041 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	58.28	2.06
06 74 13 00-0042 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	62.40	2.64
06 74 13 00-0043 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	45.92	2.06
06 74 13 00-0044 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	44.69	2.06
06 74 13 00-0045 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	60.52	2.06
06 74 13 00-0046 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	65.12	2.64
06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	41.51	1.65
06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	66.83	1.81
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	45.14	2.06
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	43.79	2.06
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	56.74	2.06
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	60.95	2.64
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	46.89	2.06
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	45.78	2.06
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	58.90	2.06
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	63.13	2.64
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	46.33	1.65
06 74 13 00-0059 SF 1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	83.13	1.81
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.30	2.64
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.74	2.06
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	36.43	2.64
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	33.74	2.06
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	25.35	2.64
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	22.53	2.06
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	28.94	2.64
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.19	2.06
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	36.39	2.64
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.93	2.06
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.82	2.64
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	38.34	2.06
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	32.08	2.64
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.33	2.06
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.85	2.64
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	35.16	2.64
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	42.32	2.64
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	39.98	2.64
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	34.16	2.06
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	30.62	2.06
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	38.34	2.06
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	43.92	2.06
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin	26.37	2.06
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin	23.64	2.06
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	30.18	2.06
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	27.75	2.06
06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	37.44	2.06
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	33.94	2.06
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	42.71	2.06
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	39.92	2.06
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	33.72	2.06
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	31.11	2.06

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 74 13 00-0100	2" VERN Vinyl Ester Resin System (06 74 13 00-0083)	
06 74 13 00-0101	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin	33.42
06 74 13 00-0102	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin	30.89
06 74 13 00-0103	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERN Vinyl Ester Resin	44.52
06 74 13 00-0104	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERN Vinyl Ester Resin	43.26

06 80 Composite Fabrications (06)**06 81 Composite Railings (06 80)****06 81 13 Glass-Fiber-Reinforced Plastic Railings (06 81)**

06 81 13 00-0001	Fiberglass Handrail Assemblies (06 81 13)	
	Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.	
06 81 13 00-0002	LF Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	73.35
	For Each LF Of Anchoring Posts Into Masonry Or Concrete, Add	3.00
	For Sloped Floor Installation, Add	5.96
	For Stair Installation (Without Kick Plates), Add	11.23
06 81 13 00-0003	LF Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	81.29
06 81 13 00-0004	LF Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly	80.39

06 81 13 00-0005	Fiberglass Handrail Components (06 81 13)	
	Note: This section is only to be used when entire handrail assembly is not required.	
06 81 13 00-0006	LF Fiberglass Kick Plate (12' Sections) With Splice Kit	17.41
06 81 13 00-0007	LF Fiberglass Kick Plate (24' sections) With Splice Kit	15.75
06 81 13 00-0008	EA Fiberglass Side Mount Post For Handrail	159.31
06 81 13 00-0009	EA Fiberglass Top Mount Post For Handrail With Stainless Steel Base	177.49
06 81 13 00-0010	LF Fiberglass Square Tube (12' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	19.20
06 81 13 00-0011	LF Fiberglass Square Tube (24' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	18.35
06 81 13 00-0012	LF Fiberglass Square Tube (21' sections) For Horizontal Handrail, ISOFR 2-1/8" x 3/16"	19.62

06 82 Composite Trim (06 80)

06 82 00 00-0001	Fiberglass Castings (06 82)	
06 82 00 00-0002	Fiberglass Angle, Equal Legs (06 82 00 00-0001)	
06 82 00 00-0003	LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.44
06 82 00 00-0004	LF 1" x 1" x 1/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin	9.83
06 82 00 00-0005	LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	16.77
06 82 00 00-0006	LF 3" x 3" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin	18.35
06 82 00 00-0007	LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.45
06 82 00 00-0008	LF 4" x 4" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin	19.60
06 82 00 00-0009	LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	21.14
06 82 00 00-0010	LF 4" x 4" x 3/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin	23.59
06 82 00 00-0011	LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	54.68
06 82 00 00-0012	LF 6" x 6" x 1/2" Thick Fiberglass Angle, VERN Vinyl Ester Resin	62.60

06 82 00 00-0013	Fiberglass Channels (06 82 00 00-0001)	
06 82 00 00-0014	LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	10.97
06 82 00 00-0015	LF 3" x 1" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin	11.36
06 82 00 00-0016	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	21.38
06 82 00 00-0017	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin	21.38
06 82 00 00-0018	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	32.49
06 82 00 00-0019	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin	37.50
06 82 00 00-0020	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	30.63
06 82 00 00-0021	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin	37.18
06 82 00 00-0022	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	46.72
06 82 00 00-0023	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VERN Vinyl Ester Resin	53.17

06 82 00 00-0024	Fiberglass Wide Flange Beams (06 82 00 00-0001)	
06 82 00 00-0025	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	29.44
06 82 00 00-0026	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	31.93
06 82 00 00-0027	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	37.46
06 82 00 00-0028	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	38.65
06 82 00 00-0029	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	59.25
06 82 00 00-0030	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	73.32
06 82 00 00-0031	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	127.48
06 82 00 00-0032	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	142.87

06 82 00 00-0033	Fiberglass Flat Sheet (06 82 00 00-0001)	
	Note: Not to be used for bathroom board.	



Wood, Plastics, and Composites			06
Composite Fabrications			06 80
Composite Trim			06 82

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0034 SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	24.41	5.84
06 82 00 00-0035 SF 1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	25.39	5.84
06 82 00 00-0036 SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	37.43	6.87
06 82 00 00-0037 SF 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	42.65	6.87
06 82 00 00-0038 SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	50.37	8.25
06 82 00 00-0039 SF 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	58.21	8.25
06 82 00 00-0040 SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	67.60	10.31
06 82 00 00-0041 SF 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	79.61	10.31
06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043 Square Bars (06 82 00 00-0042)		
06 82 00 00-0044 LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	14.77	4.12
06 82 00 00-0045 LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	20.68	6.07
06 82 00 00-0046 LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	24.13	8.02
06 82 00 00-0047 Round Bars (06 82 00 00-0042)		
06 82 00 00-0048 LF 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	9.79	3.43
06 82 00 00-0049 LF 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	20.14	5.16
06 82 00 00-0050 LF 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	22.52	5.16
06 82 00 00-0051 LF 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	29.19	5.16
06 82 00 00-0052 LF 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	34.78	5.84
06 82 00 00-0053 Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054 Square Tube (06 82 00 00-0053)		
06 82 00 00-0055 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	10.87	3.43
06 82 00 00-0056 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	11.64	3.43
06 82 00 00-0057 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	15.70	4.12
06 82 00 00-0058 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	17.06	4.12
06 82 00 00-0059 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	28.90	5.16
06 82 00 00-0060 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	32.04	5.16
06 82 00 00-0061 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	34.06	6.18
06 82 00 00-0062 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	42.80	6.18
06 82 00 00-0063 Round Tube (06 82 00 00-0053)		
06 82 00 00-0064 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.46	3.43
06 82 00 00-0065 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	10.81	3.43
06 82 00 00-0066 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	18.73	4.12
06 82 00 00-0067 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	19.88	4.12
06 82 00 00-0068 Fiberglass Threaded Rods (06 82 00 00-0001)		
06 82 00 00-0069 LF 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.34	2.64
06 82 00 00-0070 LF 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	14.14	2.64
06 82 00 00-0071 LF 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	16.22	2.98
06 82 00 00-0072 LF 3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	17.76	2.98
06 82 00 00-0073 LF 1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	19.51	2.98
06 82 00 00-0074 Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
06 82 00 00-0075 EA Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076 EA Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077 EA Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	21.78	
06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)		
06 82 00 00-0079 SF 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.86	0.42
06 82 00 00-0080 SF 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.86	0.42
06 82 00 00-0081 SF 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.86	0.42
06 82 00 00-0082 SF 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.86	0.42
06 82 00 00-0083 SF 1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.86	0.42
06 82 00 00-0084 SF 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.85	0.42
06 82 00 00-0085 SF 1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.85	0.42
06 82 00 00-0086 SF 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.85	0.42
06 82 00 00-0087 SF 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.85	0.42
06 82 00 00-0088 SF 1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.85	0.42
06 82 00 00-0089 Fiberglass Stair Treads (06 82)		
06 82 00 00-0090 Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	117.01	17.99
06 82 00 00-0093 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	137.31	17.99
06 82 00 00-0094 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	157.62	17.99

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0095 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	177.92	17.99
06 82 00 00-0096 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	129.19	17.99
06 82 00 00-0097 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	152.54	17.99
06 82 00 00-0098 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0099 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	199.24	17.99
06 82 00 00-0100 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	147.87	17.99
06 82 00 00-0101 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0102 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	203.91	17.99
06 82 00 00-0103 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	231.93	17.99
06 82 00 00-0104 12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105 EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	128.62	17.99
06 82 00 00-0106 EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	151.82	17.99
06 82 00 00-0107 EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	175.03	17.99
06 82 00 00-0108 EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	198.23	17.99
06 82 00 00-0109 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	142.54	17.99
06 82 00 00-0110 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	169.22	17.99
06 82 00 00-0111 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0112 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	222.60	17.99
06 82 00 00-0113 EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	163.89	17.99
06 82 00 00-0114 EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0115 EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	227.94	17.99
06 82 00 00-0116 EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	259.96	17.99
06 82 00 00-0117 Other Fiberglass (06 82)		
06 82 00 00-0118 Fiberglass Splash Blocks (06 82 00 00-0117)		
06 82 00 00-0119 EA Standard Size Fiberglass Splash Block	20.35	4.18
06 83 Composite Paneling (06 80)		
06 83 16 Fiberglass Reinforced Paneling (06 83)		
06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels (06 83 16)		
Note: Includes adhesive and trim.		
06 83 16 00-0002 SF Fiberglass Reinforced Polyester (FRP) Paneling.....	3.95	2.10
Note: Including Adhesive And Trim		

END OF SECTION 06



Thermal And Moisture Protection			07
Operation and Maintenance of Thermal and Moisture Protection			07 01
Maintenance of Membrane Roofing			07 01 50

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing^(07 01)

07 01 50 19 Preparation for Re-Roofing^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	88.15	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	154.22	

07 01 50 81 Roof Replacement^(07 01 50)

07 01 50 81-0001 Roof Repair^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	25.09	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	22.38	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	20.32	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	18.90	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	28.07	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	25.37	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	23.30	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	21.88	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	22.11	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	19.70	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	17.93	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	16.82	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	8.41	

07 01 50 81-0015 Emergency Roof Patch^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching	815.58	
07 01 50 81-0017	EA	16 SF Granule Emergency Roof Patch Cover	100.44	

07 01 50 81-0018 Adhesives^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.36	2.31

07 01 50 91 Roofing Restoration^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.24	
		For Up To 100, Add	0.18	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
		For >5,000 To 10,000, Deduct	-0.01	
		For >10,000 To 15,000, Deduct	-0.02	
		For >15,000 To 30,000, Deduct	-0.04	
		For >30,000, Deduct	-0.05	

07 01 60 Maintenance of Flashing and Sheet Metal^(07 01)

07 01 60 91 Flashing and Sheet Metal Restoration^(07 01 60)

07 01 60 91-0001 Re-connecting Downspouts To Gutters^(07 01 60 91)

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	38.34	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	60.78	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories^(07 01)

07 01 70 00-0001 Metal Roofing Edge Repair^(07 01 70)

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	5.34	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	6.67	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	7.62	

07 Thermal And Moisture Protection**07 01 Operation and Maintenance of Thermal and Moisture Protection****07 01 70 Operation and Maintenance of Roof Specialties and Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0005 Metal Roofing Repair (07 01 70)		
07 01 70 00-0006 SF Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	28.07	
07 01 70 00-0007 SF Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	25.37	
07 01 70 00-0008 SF Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	23.30	
07 01 70 00-0009 SF Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	21.88	
07 01 70 00-0010 Removal And Reinstallation Of Metal Coping (07 01 70)		
07 01 70 00-0011 LF Removal And Reinstallation Of Metal Coping	11.32	
For Up To 25 LF, Add	5.66	
For >25 To 100 LF, Add	2.83	
For >1,000 LF, Deduct	-1.13	

07 05 Common Work Results for Thermal and Moisture Protection(07)**07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work** (07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work (07 05 13)		
Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.		
07 05 13 00-0002 EA Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,633.76	
07 05 13 00-0003 EA >1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,222.38	
07 05 13 00-0004 EA >2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	816.88	
07 05 13 00-0005 EA >3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	407.46	

07 10 Dampproofing and Waterproofing (07)

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)**07 11 13 Bituminous Dampproofing** (07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	202.93	
07 11 13 00-0003 CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	311.67	
07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	349.40	
07 11 13 00-0006 CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	542.82	
07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	162.85	
07 11 13 00-0009 CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing	301.22	

07 11 19 Sheet Dampproofing (07 11)

07 11 19 00-0001 Neoprene (07 11 19)		
07 11 19 00-0002 SF 5 To 20 SF, 1/16" Patch Neoprene Roof	43.29	

07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)

07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)		
07 13 13 00-0002 CSF 1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	374.38	130.07
For 30 Lb. Felt, Add	85.68	
For Application To Horizontal Surfaces, Deduct	-39.02	
07 13 13 00-0003 CSF 2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	472.42	146.34
For 30 Lb. Felt, Add	134.82	
For Application To Horizontal Surfaces, Deduct	-43.90	
07 13 13 00-0004 CSF 3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	570.46	162.59
For 30 Lb. Felt, Add	183.96	
For Application To Horizontal Surfaces, Deduct	-48.78	
07 13 13 00-0005 CSF 4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	668.50	178.85
For 30 Lb. Felt, Add	233.10	
For Application To Horizontal Surfaces, Deduct	-53.66	
07 13 13 00-0006 CSF 5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	766.53	195.11
For 30 Lb. Felt, Add	282.24	
For Application To Horizontal Surfaces, Deduct	-58.53	



Thermal And Moisture Protection			07
Dampproofing and Waterproofing			07 10
Sheet Waterproofing			07 13

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0007			Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008	CSF		1/8" Asphalt Coated Protective Board.....	318.77	130.90
			For Application To Horizontal Surfaces, Deduct	-43.66	
07 13 13 00-0009	CSF		1/4" Asphalt Coated Protective Board.....	406.92	135.93
			For Application To Horizontal Surfaces, Deduct	-45.31	
07 13 13 00-0010	CSF		3/8" Asphalt Coated Protective Board.....	513.02	141.64
			For Application To Horizontal Surfaces, Deduct	-47.20	
07 13 13 00-0011	CSF		1/2" Asphalt Coated Protective Board.....	568.38	147.35
			For Application To Horizontal Surfaces, Deduct	-49.13	
07 13 53			Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001			Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF		215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.48	1.35
			For Floor Surfaces, Deduct	-1.32	
07 13 53 00-0003			Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF		45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	536.97	191.22
			For Application To Horizontal Surfaces, Deduct	-57.36	
07 13 53 00-0005	CSF		60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	608.33	191.22
			For Application To Horizontal Surfaces, Deduct	-57.36	
07 13 53 00-0006			Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF		1/32" Butyl Sheet Waterproofing.....	111.14	47.80
			For Joint Taping, Add	16.57	
			For Each Additional Ply, Add	82.59	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0008	CSF		1/16" Butyl Sheet Waterproofing.....	131.27	47.80
			For Joint Taping, Add	17.58	
			For Each Additional Ply, Add	96.68	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0009			Butyl With Nylon (07 13 53)		
07 13 53 00-0010	CSF		1/32" Butyl Elastomeric Waterproofing With Nylon	122.65	47.80
			For Joint Taping, Add	17.15	
			For Each Additional Ply, Add	90.65	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0011	CSF		1/16" Butyl Elastomeric Waterproofing With Nylon	135.59	47.80
			For Joint Taping, Add	17.80	
			For Each Additional Ply, Add	99.70	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0012			Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013	CSF		1/32" Neoprene Sheet Waterproofing	188.84	47.80
			For Joint Taping, Add	20.46	
			For Each Additional Ply, Add	136.98	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing	274.50	47.80
			For Joint Taping, Add	24.74	
			For Each Additional Ply, Add	196.94	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0015			Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon	197.78	47.80
			For Joint Taping, Add	20.91	
			For Each Additional Ply, Add	143.24	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon	288.78	47.80
			For Joint Taping, Add	25.46	
			For Each Additional Ply, Add	206.94	
			For Application To Horizontal Surfaces, Deduct	-7.19	
07 13 53 00-0018			Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier	38.77	14.04
			For Joint Taping, Add	9.08	
			For Each Additional Ply, Add	30.25	
			For Application To Horizontal Surfaces, Deduct	-4.66	
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier	39.88	14.04
			For Joint Taping, Add	9.14	
			For Each Additional Ply, Add	31.02	
			For Application To Horizontal Surfaces, Deduct	-4.66	
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier	68.18	14.04
			For Joint Taping, Add	10.55	
			For Each Additional Ply, Add	50.83	
			For Application To Horizontal Surfaces, Deduct	-4.66	

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 13 Sheet Waterproofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar. For Each Additional Ply, Add For Application To Horizontal Surfaces, Deduct	167.04 120.38 -5.18	14.04
07 13 53 00-0023		Polyvinyl Chloride (PVC) Vapor Barrier (07 13 53)		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier For Joint Taping, Add For Each Additional Ply, Add For Application To Horizontal Surfaces, Deduct	59.08 10.10 44.46 -4.66	15.53
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier For Joint Taping, Add For Each Additional Ply, Add For Application To Horizontal Surfaces, Deduct	80.64 11.45 59.67 -4.84	16.11
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier For Joint Taping, Add For Each Additional Ply, Add For Application To Horizontal Surfaces, Deduct	109.79 13.16 80.19 -5.01	16.68
07 13 53 00-0027		Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4) For Application To Horizontal Surfaces, Deduct	47.52 -5.01	14.38
07 13 54		Thermoplastic Sheet Waterproofing (07 13)		
07 13 54 00-0001		Thermoplastic Sheet Waterproofing (07 13 54)		
07 13 54 00-0002	SF	60 Mil Thermoplastic Active Polymer Core Membrane (Cetco Coreflex 60)	11.69	
07 13 54 00-0003	SF	Cortex Active Polymer Core Separation Sheet (Cetco Coretex).....	7.71	
07 13 54 00-0004	SF	Hardscape Walk Path Drain Board (Cetco Aquadrain 30HD).....	2.65	
07 13 54 00-0005	SF	Planted Area Drain Board (Cetco GS-300).....	4.68	
07 13 54 00-0006	SF	Root Barrier (Cetco GS-120)	3.39	
07 13 54 00-0007	LF	Stainless Steel Termination Bar (Cetco).....	5.52	
07 14		Fluid-Applied Waterproofing (07 10)		
07 14 13		Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001		Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. For Application To Horizontal Surfaces, Deduct For Reinforcing Fabric, Add	2.73 -0.25 0.61	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. For Application To Horizontal Surfaces, Deduct For Reinforcing Fabric, Add	3.21 -0.26 0.61	
07 14 16		Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001		Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... For Application To Horizontal Surfaces, Deduct	4.69 -0.58	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... For Application To Horizontal Surfaces, Deduct	5.30 -0.61	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing..... For Application To Horizontal Surfaces, Deduct	5.97 -0.64	
07 14 16 00-0005		One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.53	
07 14 16 00-0007		Copolymer Compound (07 14 16)		
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	5.46	
07 14 16 00-0009		Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	629.53	
		For Application To Horizontal Surfaces, Deduct	-69.66	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,181.97	
		For Application To Horizontal Surfaces, Deduct	-136.65	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,907.73	
		For Application To Horizontal Surfaces, Deduct	-204.87	
07 14 16 00-0013		Moisture Barrier (Maxxon) (07 14 16)		
07 14 16 00-0014	SF	Moisture Barrier Primer, Brush Application For Cut-ins (Maxxon MVP 13030)..... Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.92	



Thermal And Moisture Protection			07
Dampproofing and Waterproofing			07 10
Fluid-Applied Waterproofing			07 14

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 16 00-0015 SF Moisture Barrier Primer, Roller Application (Maxxon MVP 13030) 3.48 Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.48	
07 14 16 00-0016 SF Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, First Coat (Maxxon MVP 13035).....1.54 Note: Includes product mixing and application. Excludes preparation of flooring	1.54	
07 14 16 00-0017 SF Two Part Epoxy Moisture Barrier, Roller Application For First Coat (Maxxon MVP 13035) 1.10 Note: Includes product mixing and application. Excludes preparation of flooring	1.10	
07 14 16 00-0018 SF Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, Second Coat (Maxxon MVP 13035) 2.11 Note: Includes product mixing and application. Excludes preparation of flooring	2.11	
07 14 16 00-0019 SF Two Part Epoxy Moisture Barrier, Roller Application For Second Coat (Maxxon MVP 13035).....1.67 Note: Includes product mixing and application. Excludes preparation of flooring	1.67	
07 14 16 00-0020 Waterproofing (Sika) (07 14 16)		
07 14 16 00-0021 SF 30 Mil Thick, Two-Component Polyurethane, Roller Grade Bitumen Modified Waterproofing, (Sika Sikagard®-7600 HG) 6.56	6.56	
07 16 Cementitious and Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats 5.04 Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.04	
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate) 6.26	6.26	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) 535.34 For Application To Horizontal Surfaces, Deduct -67.06	535.34	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels 498.02 For Application To Horizontal Surfaces, Deduct -46.87	498.02	156.19
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels 467.82 For Application To Horizontal Surfaces, Deduct -50.72	467.82	165.02
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels 615.12 For Application To Horizontal Surfaces, Deduct -51.61	615.12	172.09
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled 498.23 For Application To Horizontal Surfaces, Deduct -42.92	498.23	143.13
07 18 Traffic Coatings (07 10)		
07 18 13 Pedestrian Traffic Coatings (07 18)		
07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 18 13)		
Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002 SQ Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit) 185.29	185.29	
07 18 13 00-0003 SQ 32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) 524.54	524.54	
07 18 13 00-0004 SQ 16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) 303.51	303.51	
07 18 13 00-0005 SQ 16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) 362.54	362.54	
07 18 13 00-0006 LF 6" Wide, Poly Joint Tape (Garland Dura-Walk®) 1.86	1.86	
07 18 13 00-0007 Pedestrian Traffic Coating (07 18 13)		
Note: Gaco Western		
07 18 13 00-0008 SF GACOCRETE A-17, Acrylic Elastomeric Coating 3.20	3.20	
07 18 13 00-0009 SF Silicone Enhanced A-30, Acrylic Elastomeric Coating 2.72 For >2,000, Deduct -0.34	2.72	
07 18 13 00-0010 SF Quick Set A-31, Acrylic Elastomeric Coating 2.53	2.53	
07 18 13 00-0011 SF A-32, Acrylic Elastomeric Coating 2.84 For >2,000, Deduct -0.38	2.84	
07 18 13 00-0012 SF Liquid Seam Tape A-3611, Acrylic Elastomeric Coating 2.96 For >2,000, Deduct -0.42	2.96	
07 18 13 00-0013 SF A-38, Acrylic Elastomeric Coating 2.92	2.92	
07 18 13 00-0014 SF Acrylic Primer A-4121 1.98	1.98	
07 18 13 00-0015 SF Two Component Epoxy Emulsion Primer Filler E-5320 3.31	3.31	
07 18 13 00-0016 SF Two Component Epoxy Rust Inhibiting Primer E-5388 3.86	3.86	
07 18 13 00-0017 SF Two Component 100% Solids Primer E-5481 4.21	4.21	
07 18 13 00-0018 SF Hypalon Roof Coating H-25 3.88	3.88	

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 18 Traffic Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0019	SF	Neoprene Adhesive N-1207	3.01	
07 18 13 00-0020	SF	GACOSIL S-10 Silicone.....	3.32	
		<i>For >2,000, Deduct</i>	-0.55	
07 18 13 00-0021	SF	GACOSIL S-20 Silicone.....	3.42	
		<i>For >2,000, Deduct</i>	-0.58	
07 18 13 00-0022	SF	Urethane Primer/Sealer U-5677	2.15	
07 18 13 00-0023	SF	Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006.....	3.08	
		<i>For >2,000, Deduct</i>	-0.46	
07 18 13 00-0024	SF	Two Component Polyurethane Coating U-62	4.66	
		<i>For >2,000, Deduct</i>	-0.81	
07 18 13 00-0025	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.08	
07 18 13 00-0026	SF	Two Component Polyurethane Coating U-66	4.60	
07 18 13 00-0027	SF	Two Component Polyurethane Coating U-8730	4.28	
07 18 13 00-0028	SF	Two Component Polyurethane Coating U-8782	4.21	
07 18 13 00-0029	SF	Two Component Polyurethane Aliphatic Coating UA-60.....	5.24	
07 18 13 00-0030	SF	Two Component Polyurethane Aliphatic Coating UA-7090.....	6.52	
07 18 13 00-0031	SF	Two Component Polyurethane Base Coating UB-64.....	4.02	
07 18 13 00-0032	SF	Two Component Polyurethane Base Coating UB-8380	3.95	
07 18 13 00-0033	SF	Etching Detergent D-09	2.18	
07 18 13 00-0034	LB	GacoShell Granules Additive To Coating.....	2.43	
07 18 13 00-0035	LB	Quartz Granules Additive To Coating	2.19	
07 18 13 00-0036	LF	4" Polyester Reinforcing Tape, 66-B.....	0.23	
07 18 13 00-0037	LF	6" Polyester Reinforcing Tape, 66-B.....	0.29	
07 18 13 00-0038	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.37	
07 18 13 00-0039	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.51	
07 18 13 00-0040	LF	2" Metal Roof Seam Sealing Tape, 66-MR	1.04	
07 18 13 00-0041	LF	3" Metal Roof Seam Sealing Tape, 66-MR	1.62	
07 18 13 00-0042	LF	4" Metal Roof Seam Sealing Tape, 66-MR	2.01	
07 18 13 00-0043	LF	6" Metal Roof Seam Sealing Tape, 66-MR	2.87	
07 18 13 00-0044	GAL	Polyurethane Coating Thinner T-5106.....	57.78	
07 18 13 00-0045	GAL	Compliant Thinner T-5110	120.38	
07 18 13 00-0046	GAL	Regular Thinner T-5112.....	33.70	
07 18 13 00-0047	GAL	Polyurethane Coating Thinner T-5116.....	43.34	
07 18 13 00-0048	GAL	Polyurethane Troweling Thinner T-5118.....	52.96	
07 18 13 00-0049	GAL	Compliant Thinner T-5125	57.78	
07 18 13 00-0050	GAL	Fast Polyurethane Coating Thinner T-5130	43.34	
07 18 13 00-0051	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	43.34	

07 18 16 Vehicular Traffic Coatings (07 18)

07 18 16 00-0001	Preparation For Vehicular Traffic Coating (07 18 16)			
	See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.			
07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.15	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.73	

07 18 16 00-0004 Vehicular Traffic Bearing Waterproofing System System (UPI) (07 18 16)

Note: Excludes deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	Vehicular Traffic Bearing Waterproofing System Complete (UPI UREADEK 6700-VT).....	11.10	
	Note: Includes primer (UI-71 18), 32 mil base coat (UI-7013), 16 mil intermediate coat (UI-7016 AR), 16 mil top coat (UI-7016 AL), and non-slip texture finish. Excludes crack repair or caulking.			
	<i>For second coat 16 mil intermediate coat (UI-7016 AR), Add</i>			2.09

07 18 16 00-0006 Vehicular Traffic Coating (Sika) (07 18 16)

Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparation, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0007	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720)	4.08	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0008	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.50	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0009	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.66	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0010	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.83	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0011	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL).....	2.97	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0012	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.88	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0013	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.13	
	Note: Excludes crack repair or caulking.			
07 18 16 00-0014	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.39	
	Note: Excludes crack repair or caulking.			



Thermal And Moisture Protection		07
Dampproofing and Waterproofing		07 10
Traffic Coatings		07 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 16 00-0015 Vehicular Traffic Bearing Waterproofing System System (Dex-O-Tex Auto-Dex V) ^(07 18 16) Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0016 SF Vehicular Traffic Bearing Waterproofing System (Dex-O-Tex Auto-Dex V) Note: A. Troweled waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be Dex-O-Tex Auto-Dex V as manufactured by Crossfield Products Corp., in Rancho Dominguez, California and Roselle Park, New Jersey. B. The trowel applied waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be composed of a co-polymer bondcoat, neoprene waterproof membrane, and cementitious co-polymer traffic topping surfacing. 1.) All resin binders and all rubber emulsions shall be compounded with neoprene or polyacrylate co-polymer liquids and shall have a minimum polymer, neoprene, solids content of 35% when tested by the dry cup method. 2.) Aggregate for traffic surface coating shall be suitably graded, fine trap-rock passing a #20 mesh sieve and retained on a #40 mesh sieve. 3.) Fabric used as reinforcement for waterproof membrane shall be 7-1/2 oz. Woven polypropylene fabric.	15.26	
07 18 16 00-0017 Traffic Coating Repair (Sika) ^(07 18 16) Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0018 SF 5 +/- 1 mils (Dry Film Thickness per Coat), Two Component, High Solids, Liquid Applied Primer (Sika Sikalastic® Recoat Primer)	0.98	
07 18 16 00-0019 SF Low-modulus, Low-viscosity, Epoxy Resin Primer (Sikadur® 21)	0.66	
07 18 16 00-0020 SF Up To 1/2" Thick, Low-modulus, Low-viscosity, Epoxy Resin Mortar Binder (Sikadur® 21)	1.50	
07 18 16 00-0021 SF Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Primer (Sikadur® 22)	0.87	
07 18 16 00-0022 SF 50 Mils, Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Binder (Sikadur® 22)	1.61	
07 18 16 00-0023 SF Broadcast Sand Coating.....	0.27	
07 18 16 00-0024 SF Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Top Coat (Sikadur® 22).....	0.91	
07 18 16 00-0025 SF Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Traffic Overlay (Sikadur® 22)	4.20	
07 18 21 Traffic-Bearing Roof Deck Surfacing ^(07 18)		
07 18 21 00-0001 Decking Coating System (Polycoat POLY-I-GARD® 575FC) ^(07 18 21) Note: Excludes surface preparaion, deck crack repair or other joint sealants. See CSI section 07 18 16 00-0001 for surface preparaion.		
07 18 21 00-0002 SF 4 Dry Mils, Epoxy Primer For Deck Coating System (Polycoat Polyprime® 21)	1.37	
07 18 21 00-0003 SF 24 ± 2 Dry Mils, Base For Deck Coating System (Polycoat PC-260).....	3.93	
07 18 21 00-0004 SF 18 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295)	3.67	
07 18 21 00-0005 SF 15 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295)	3.26	
Note: Additional coat for ramps, turn radii, and other heavy traffic areas.		
07 18 21 00-0006 Weatherwear Roof Deck Coating System (Dex-O-Tex) ^(07 18 21)		
07 18 21 00-0007 SF Dex-O-Tex Weatherwear Promenade Roof Deck System.....	39.45	
Note: Includes mobilize and set up. Install Dex-O-Tex Weatherwear Promenade Roof Deck System per manufacturer's specifications and waterproof at drain locations. (Supply and installation of drains by others). Final clean up and demobilize.		
07 18 21 00-0008 LF Dex-O-Tex 26G Bonderized 4" x 8" flashing	18.23	
Note: supply and install 26G Bonderized 4" x 8" flashing at deck to wall transitions per plans and specifications. (Flashing per detail A.1/3.)		
07 18 21 00-0009 SF Dex-O-Tex G-26 Underlayment at 3" Average for Sloping	46.27	
Note: Includes mobilize and set up. Install Dex-O-Tex G-26 Cementitious Underlayment for sloping at 3" average per A.1/B. Clean up.		
07 18 21 00-0010 SF Mechanically Prepare Surface For Underlayment	3.45	
Note: Mechanically prepare surface to create bonding profile per manufacturer specifications.		
07 19 Water Repellents ^(07 10)		
07 19 13 Acrylic Sealer ^(07 19) Note: Per coat.		
07 19 13 00-0001 SF Spray On Concrete, Acrylic Sealer	2.96	
07 19 13 00-0002 SF Spray On Concrete Block/Brick, Acrylic Sealer	3.53	
07 19 13 00-0003 SF Spray On Stone, Acrylic Sealer	3.87	
07 19 16 Silane Water Repellents ^(07 19)		
07 19 16 00-0001 Silane Concrete Sealer ^(07 19 16)		
07 19 16 00-0002 SF Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.80	
07 19 16 00-0003 SF Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.19	
07 19 16 00-0004 Silane/Siloxane Concrete Sealer ^(07 19 16)		
07 19 16 00-0005 SF Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.42	
Note: 40% silane, alcohol based.		

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 19 Water Repellents**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% Silane, alcohol based.	2.07	
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.56	
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.81	

07 20 Thermal Protection (07)**07 21 Thermal Insulation** (07 20)**07 21 13 Board Insulation** (07 21)

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation (07 21 13)**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation** (07 21 13 13)**07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation** (07 21 13 13-0001)

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.26	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.98	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	7.12	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	9.42	0.42
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.87	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.93	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.21	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.49	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.60	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.71	0.42
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.83	0.43
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	6.93	0.43
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	8.05	0.44
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.14	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.24	
		For 40 PSI Compressive Strength, Add	0.57	
		For 60 PSI Compressive Strength, Add	0.90	
		For 115 PSI Compressive Strength, Add	3.89	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.52	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.30	
		For 40 PSI Compressive Strength, Add	0.71	
		For 60 PSI Compressive Strength, Add	1.12	
		For 115 PSI Compressive Strength, Add	4.87	



Thermal And Moisture Protection			07	07
Thermal Protection			07 20	
Thermal Insulation			07 21	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.83	0.39
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.35	
		For 40 PSI Compressive Strength, Add	0.83	
		For 60 PSI Compressive Strength, Add	1.30	
		For 115 PSI Compressive Strength, Add	5.67	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.89	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.36	
		For 40 PSI Compressive Strength, Add	0.85	
		For 60 PSI Compressive Strength, Add	1.33	
		For 115 PSI Compressive Strength, Add	5.80	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.40	0.40
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.60	
		For 40 PSI Compressive Strength, Add	1.42	
		For 60 PSI Compressive Strength, Add	2.20	
		For 115 PSI Compressive Strength, Add	9.65	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	5.92	0.42
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.84	
		For 40 PSI Compressive Strength, Add	1.99	
		For 60 PSI Compressive Strength, Add	3.07	
		For 115 PSI Compressive Strength, Add	13.51	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.69	0.43
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.96	
		For 40 PSI Compressive Strength, Add	2.27	
		For 60 PSI Compressive Strength, Add	3.50	
		For 115 PSI Compressive Strength, Add	15.44	
07 21 13 13-0025		Mechanically Fastened Foam Board Insulation (07 21 13 13)		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026		Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.21	0.40
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	6.04	0.40
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Gypsum, Add	2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.19	0.40
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Gypsum, Add	2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	9.59	0.42
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Gypsum, Add	2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0031			Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
07 21 13 13-0032	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.82	0.39
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0033	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.88	0.39
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0034	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.16	0.39
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0035	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.44	0.40
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 13-0036	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.67	0.40
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Gypsum, Add	2.32	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 21 13 13-0037	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.88	0.42
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 21 13 13-0038	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	6.17	0.43
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.02	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Thermal Insulation			07 21

70

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.49		0.43	
	For Horizontal Surface Application, Deduct	-0.09			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For Mechanically Fastened To Concrete, Add	2.04			
	For Mechanically Fastened To Gypsum, Add	2.81			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.52			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	9.18			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.28			
07 21 13 13-0040	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.86		0.44	
	For Horizontal Surface Application, Deduct	-0.09			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For Mechanically Fastened To Concrete, Add	2.10			
	For Mechanically Fastened To Gypsum, Add	2.42			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.80			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.69			
07 21 13 13-0041	Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0025)				
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.				
07 21 13 13-0042	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.09		0.39	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.21			
	For 40 PSI Compressive Strength, Add	0.50			
	For 60 PSI Compressive Strength, Add	0.80			
	For 115 PSI Compressive Strength, Add	3.44			
	For Mechanically Fastened To Concrete, Add	1.83			
	For Mechanically Fastened To Gypsum, Add	2.39			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41			
07 21 13 13-0043	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.47		0.39	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.27			
	For 40 PSI Compressive Strength, Add	0.64			
	For 60 PSI Compressive Strength, Add	1.02			
	For 115 PSI Compressive Strength, Add	4.42			
	For Mechanically Fastened To Concrete, Add	1.83			
	For Mechanically Fastened To Gypsum, Add	2.39			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41			
07 21 13 13-0044	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.78		0.39	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.32			
	For 40 PSI Compressive Strength, Add	0.76			
	For 60 PSI Compressive Strength, Add	1.20			
	For 115 PSI Compressive Strength, Add	5.22			
	For Mechanically Fastened To Concrete, Add	1.83			
	For Mechanically Fastened To Gypsum, Add	2.39			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41			
07 21 13 13-0045	SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.84		0.40	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.33			
	For 40 PSI Compressive Strength, Add	0.78			
	For 60 PSI Compressive Strength, Add	1.23			
	For 115 PSI Compressive Strength, Add	5.35			
	For Mechanically Fastened To Concrete, Add	1.83			
	For Mechanically Fastened To Gypsum, Add	2.39			
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82			
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46			
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94			
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24			
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68			
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41			

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened		4.47	0.40
		For Horizontal Surface Application, Deduct		-0.08	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For 25 PSI Compressive Strength, Add		0.58	
		For 40 PSI Compressive Strength, Add		1.39	
		For 60 PSI Compressive Strength, Add		2.16	
		For 115 PSI Compressive Strength, Add		9.46	
		For Mechanically Fastened To Concrete, Add		1.88	
		For Mechanically Fastened To Gypsum, Add		2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		4.45	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened		6.09	0.42
		For Horizontal Surface Application, Deduct		-0.08	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For 25 PSI Compressive Strength, Add		0.84	
		For 40 PSI Compressive Strength, Add		2.00	
		For 60 PSI Compressive Strength, Add		3.09	
		For 115 PSI Compressive Strength, Add		13.58	
		For Mechanically Fastened To Concrete, Add		1.93	
		For Mechanically Fastened To Gypsum, Add		2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.69	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.04	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		4.76	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened		7.03	0.43
		For Horizontal Surface Application, Deduct		-0.09	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For 25 PSI Compressive Strength, Add		0.99	
		For 40 PSI Compressive Strength, Add		2.34	
		For 60 PSI Compressive Strength, Add		3.62	
		For 115 PSI Compressive Strength, Add		15.94	
		For Mechanically Fastened To Concrete, Add		1.99	
		For Mechanically Fastened To Gypsum, Add		2.42	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.38	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.92	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		3.35	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		2.07	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.37	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		5.02	
07 21 13 16		Fibrous Board Insulation (07 21 13)			
07 21 13 16-0001		Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)			
07 21 13 16-0002		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied		2.69	0.49
		For Horizontal Surface Application, Deduct		-0.08	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied		3.98	0.59
		For Horizontal Surface Application, Deduct		-0.10	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied		5.26	0.69
		For Horizontal Surface Application, Deduct		-0.12	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0006		Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied		4.92	0.40
		For Horizontal Surface Application, Deduct		-0.07	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied		5.94	0.40
		For Horizontal Surface Application, Deduct		-0.07	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied		7.36	0.41
		For Horizontal Surface Application, Deduct		-0.07	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied		8.51	0.41
		For Horizontal Surface Application, Deduct		-0.07	
		For Vapor Barrier, Integral With Insulation, Add		0.05	
		For Factory Painted On One Surface Add		0.17	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Thermal Insulation			07 21

07

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
07 21 13 16-0011	SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i>	9.65 -0.07 0.05 0.17			0.42
07 21 13 16-0012	Mechanically Fastened Fibrous Board Insulation (07 21 13 16) Note: Mechanically fastened to wood or steel.				
07 21 13 16-0013	Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.				
07 21 13 16-0014	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.51 -0.08 0.05 0.17 1.83 2.39 0.82 2.46 2.94 1.24 3.68 4.41			0.49
07 21 13 16-0015	SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.90 -0.10 0.05 0.17 1.88 2.32 1.02 2.53 2.97 1.52 3.75 4.45			0.59
07 21 13 16-0016	SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.28 -0.12 0.05 0.17 1.93 2.41 1.17 2.69 3.17 1.75 4.04 4.76			0.69
07 21 13 16-0017	Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.				
07 21 13 16-0018	SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.87 -0.08 0.05 0.17 1.83 2.39 0.82 2.46 2.94 1.24 3.68 4.41			0.40
07 21 13 16-0019	SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	6.00 -0.08 0.05 0.17 1.88 2.32 1.02 2.53 2.94 1.52 3.75 4.41			0.40

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.42	0.41
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Gypsum, Add	2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.68	0.41
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Gypsum, Add	2.35	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	9.82	0.42
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Gypsum, Add	2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 21 13 19 Mineral Board Insulation (07 21 13)				
07 21 13 19-0001		Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002		Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.03	0.44
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.42	0.47
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.82	0.49
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.54	0.54
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.25	0.59
		For Horizontal Surface Application, Deduct	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.67	0.69
		For Horizontal Surface Application, Deduct	-0.12	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0009		Mechanically Fastened Mineral Board Insulation (07 21 13 19) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010		Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.84	0.44
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	



Thermal And Moisture Protection			07	07
Thermal Protection			07 20	
Thermal Insulation			07 21	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.24	0.47
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.64	0.49
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.68	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.46	0.54
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Gypsum, Add	2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.17	0.59
		For Horizontal Surface Application, Deduct	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Gypsum, Add	2.32	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.75	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.69	0.69
		For Horizontal Surface Application, Deduct	-0.12	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Gypsum, Add	2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.60	0.46
		For >1,600, Deduct	-0.18	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.74	0.46
		For >1,600, Deduct	-0.21	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.78	0.46
		For >1,600, Deduct	-0.22	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.43	0.46
		For >1,600, Deduct	-0.34	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.02	0.46
		For >1,600, Deduct	-0.26	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.85	0.58
		For >1,600, Deduct	-0.40	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.24	0.58
		For >1,600, Deduct	-0.45	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.51	0.46	
		For >1,600, Deduct	-0.17		
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.67	0.46	
		For >1,600, Deduct	-0.20		
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.14	0.46	
		For >1,600, Deduct	-0.29		
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.33	0.46	
		For >1,600, Deduct	-0.32		
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	2.41	0.46	
		For >1,600, Deduct	-0.33		
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.67	0.58	
		For >1,600, Deduct	-0.36		
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	3.12	0.58	
		For >1,600, Deduct	-0.43		
07 21 16 00-0018		Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)			
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.85	0.46	
		For >1,600, Deduct	-0.23		
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.08	0.46	
		For >1,600, Deduct	-0.28		
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.34	0.46	
		For >1,600, Deduct	-0.32		
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.35	0.58	
		For >1,600, Deduct	-0.48		
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.67	0.58	
		For >1,600, Deduct	-0.54		
07 21 16 00-0024		Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)			
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.64	0.46	
		For >1,600, Deduct	-0.19		
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.78	0.46	
		For >1,600, Deduct	-0.22		
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.51	0.46	
		For >1,600, Deduct	-0.36		
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.04	0.46	
		For >1,600, Deduct	-0.26		
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.78	0.58	
		For >1,600, Deduct	-0.40		
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.12	0.58	
		For >1,600, Deduct	-0.43		
07 21 16 00-0031		Mineral Wool Flexible Insulation (07 21 16)			
07 21 16 00-0032		Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)			
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.80	0.46	
		For >1,600, Deduct	-0.22		
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	2.44	0.46	
		For >1,600, Deduct	-0.34		
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	3.88	0.46	
		For >1,600, Deduct	-0.61		
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	4.63	0.46	
		For >1,600, Deduct	-0.73		
07 21 16 00-0037		Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)			
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.67	0.46	
		For >1,600, Deduct	-0.20		
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	2.23	0.46	
		For >1,600, Deduct	-0.30		
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	3.47	0.46	
		For >1,600, Deduct	-0.52		
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.14	0.46	
		For >1,600, Deduct	-0.63		
07 21 16 00-0042		Natural Cotton Insulation (07 21 16)			
07 21 16 00-0043		UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)			
		Note: 85% recycled denim cotton.			
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.52	0.46	
		For >1,600, Deduct	-0.37		
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.84	0.46	
		For >1,600, Deduct	-0.43		
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.19	0.46	
		For >1,600, Deduct	-0.50		
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.27	0.46	
		For >1,600, Deduct	-0.70		
07 21 19		Foamed-In-Place Insulation (07 21)			



Thermal And Moisture Protection			07
Thermal Protection			07 20
Thermal Insulation			07 21

07

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
07 21 19 00-0001		Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation	1,474.57	
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.54	
		For Up To 250 SF, Add	0.58	
		For >250 To 500 SF, Add	0.29	
		For >500 To 1,000 SF, Add	0.12	
		For >5,000 To 10,000 SF, Deduct	-0.18	
		For >10,000 SF, Deduct	-0.45	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.10	
		For Up To 250 SF, Add	0.76	
		For >250 To 500 SF, Add	0.38	
		For >500 To 1,000 SF, Add	0.16	
		For >5,000 To 10,000 SF, Deduct	-0.24	
		For >10,000 SF, Deduct	-0.60	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.66	
		For Up To 250 SF, Add	0.94	
		For >250 To 500 SF, Add	0.47	
		For >500 To 1,000 SF, Add	0.20	
		For >5,000 To 10,000 SF, Deduct	-0.30	
		For >10,000 SF, Deduct	-0.74	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.21	
		For Up To 250 SF, Add	1.11	
		For >250 To 500 SF, Add	0.56	
		For >500 To 1,000 SF, Add	0.24	
		For >5,000 To 10,000 SF, Deduct	-0.36	
		For >10,000 SF, Deduct	-0.87	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.75	
		For Up To 250 SF, Add	1.29	
		For >250 To 500 SF, Add	0.64	
		For >500 To 1,000 SF, Add	0.28	
		For >5,000 To 10,000 SF, Deduct	-0.42	
		For >10,000 SF, Deduct	-1.01	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.30	
		For Up To 250 SF, Add	1.46	
		For >250 To 500 SF, Add	0.73	
		For >500 To 1,000 SF, Add	0.32	
		For >5,000 To 10,000 SF, Deduct	-0.47	
		For >10,000 SF, Deduct	-1.15	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.86	
		For Up To 250 SF, Add	1.64	
		For >250 To 500 SF, Add	0.82	
		For >500 To 1,000 SF, Add	0.36	
		For >5,000 To 10,000 SF, Deduct	-0.53	
		For >10,000 SF, Deduct	-1.29	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.40	
		For Up To 250 SF, Add	1.82	
		For >250 To 500 SF, Add	0.91	
		For >500 To 1,000 SF, Add	0.39	
		For >5,000 To 10,000 SF, Deduct	-0.59	
		For >10,000 SF, Deduct	-1.43	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.95	
		For Up To 250 SF, Add	1.99	
		For >250 To 500 SF, Add	1.00	
		For >500 To 1,000 SF, Add	0.43	
		For >5,000 To 10,000 SF, Deduct	-0.65	
		For >10,000 SF, Deduct	-1.56	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.52	
		For Up To 250 SF, Add	2.18	
		For >250 To 500 SF, Add	1.09	
		For >500 To 1,000 SF, Add	0.47	
		For >5,000 To 10,000 SF, Deduct	-0.71	
		For >10,000 SF, Deduct	-1.71	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.06	
		For Up To 250 SF, Add	2.35	
		For >250 To 500 SF, Add	1.18	
		For >500 To 1,000 SF, Add	0.51	
		For >5,000 To 10,000 SF, Deduct	-0.77	
		For >10,000 SF, Deduct	-1.84	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.99	
		For Up To 250 SF, Add	1.10	
		For >250 To 500 SF, Add	0.55	
		For >500 To 1,000 SF, Add	0.23	
		For >5,000 To 10,000 SF, Deduct	-0.35	
		For >10,000 SF, Deduct	-0.87	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.97	
		For Up To 250 SF, Add	1.40	
		For >250 To 500 SF, Add	0.70	
		For >500 To 1,000 SF, Add	0.30	
		For >5,000 To 10,000 SF, Deduct	-0.45	
		For >10,000 SF, Deduct	-1.10	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.86		
		For Up To 250 SF, Add	1.64		
		For >250 To 500 SF, Add	0.82		
		For >500 To 1,000 SF, Add	0.36		
		For >5,000 To 10,000 SF, Deduct	-0.53		
		For >10,000 SF, Deduct	-1.29		
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.84		
		For Up To 250 SF, Add	1.94		
		For >250 To 500 SF, Add	0.97		
		For >500 To 1,000 SF, Add	0.42		
		For >5,000 To 10,000 SF, Deduct	-0.63		
		For >10,000 SF, Deduct	-1.52		
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.71		
		For Up To 250 SF, Add	2.18		
		For >250 To 500 SF, Add	1.09		
		For >500 To 1,000 SF, Add	0.48		
		For >5,000 To 10,000 SF, Deduct	-0.71		
		For >10,000 SF, Deduct	-1.70		
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.72		
		For Up To 250 SF, Add	2.49		
		For >250 To 500 SF, Add	1.24		
		For >500 To 1,000 SF, Add	0.54		
		For >5,000 To 10,000 SF, Deduct	-0.81		
		For >10,000 SF, Deduct	-1.94		
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.59		
		For Up To 250 SF, Add	2.73		
		For >250 To 500 SF, Add	1.36		
		For >500 To 1,000 SF, Add	0.60		
		For >5,000 To 10,000 SF, Deduct	-0.90		
		For >10,000 SF, Deduct	-2.13		
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.59		
		For Up To 250 SF, Add	3.03		
		For >250 To 500 SF, Add	1.51		
		For >500 To 1,000 SF, Add	0.66		
		For >5,000 To 10,000 SF, Deduct	-1.00		
		For >10,000 SF, Deduct	-2.36		
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.46		
		For Up To 250 SF, Add	3.27		
		For >250 To 500 SF, Add	1.63		
		For >500 To 1,000 SF, Add	0.72		
		For >5,000 To 10,000 SF, Deduct	-1.08		
		For >10,000 SF, Deduct	-2.55		
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.45		
		For Up To 250 SF, Add	3.57		
		For >250 To 500 SF, Add	1.78		
		For >500 To 1,000 SF, Add	0.79		
		For >5,000 To 10,000 SF, Deduct	-1.18		
		For >10,000 SF, Deduct	-2.78		
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.33		
		For Up To 250 SF, Add	3.81		
		For >250 To 500 SF, Add	1.91		
		For >500 To 1,000 SF, Add	0.84		
		For >5,000 To 10,000 SF, Deduct	-1.26		
		For >10,000 SF, Deduct	-2.97		
07 21 19 00-0025		Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)			
07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	4.83		
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.03		
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	7.23		
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame.....	8.48		
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	9.84		
07 21 19 00-0031		Expanding Foam Insulation To Fill Window Frames (07 21 19)			
07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame.....	4.71		
07 21 23		Loose-Fill Insulation (07 21)			
07 21 23 00-0001		Poured Type, Loose Fill Insulation (07 21 23)			
07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	7.06	2.68	
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation.....	7.47	2.68	
07 21 23 00-0004		Concrete Block Wall Cavity Insulation (07 21 23)			
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	10.31	2.68	
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	10.21	2.68	
07 21 26		Blown Insulation (07 21)			
07 21 26 00-0001		Fiberglass Blown-In Insulation (07 21 26)			
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)			



Thermal And Moisture Protection			07
Thermal Protection			07 20
Thermal Insulation			07 21

07

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.56	1.23
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.74	1.35
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.93	1.47
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.17	1.60
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.31	1.66
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.50	1.72
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.70	1.78
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.83	1.84
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	3.04	1.96
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.21	2.02
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.47	2.09
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.77	2.21
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.37	2.45
07 21 26 00-0016	New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)			
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.36	1.23
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.16	1.47
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.77	1.60
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.51	1.72
07 21 26 00-0021	Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)			
Note: Includes drilling. Excludes patching.				
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.23	1.23
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.03	1.47
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.64	1.60
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.38	1.72
07 21 26 00-0026	Cellulose Blown-In Insulation (07 21 26)			
07 21 26 00-0027	Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)			
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.63	1.23
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.96	1.35
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.19	1.47
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.56	1.60
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.62	1.60
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.05	1.72
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.14	1.72
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.43	1.84
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.66	1.84
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.95	1.96
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.17	1.96
07 21 26 00-0039	New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)			
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.21	1.23
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.94	1.47
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.47	1.60
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.11	1.72
07 21 26 00-0044	Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)			
Note: Includes drilling. Excludes patching.				
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	2.08	1.23
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	2.81	1.47
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	3.34	1.60
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	3.98	1.72
07 21 29	Sprayed Insulation (07 21)			
07 21 29 00-0001	Fiber Sprayed On Insulation (07 21 29)			
Note: Per each 1" of thickness.				
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.80	0.79
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation.....	2.04	0.79
07 21 29 00-0004	Cellulose Sprayed On Insulation (07 21 29)			
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	4.05	0.79
07 21 53	Reflective Insulation (07 21)			
07 21 53 00-0001	Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)			
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space.....	1.19	
07 21 53 00-0003	Reflective Radiant Foil Backed Paper (07 21 53)			

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 53 00-0004	CSF	Reflective Radiant Foil Backed Kraft Paper With Tape.....	74.50	24.28
		For >15' To 20' Installed Height, Add	4.85	
		For >20' To 25' Installed Height, Add	7.27	
		For >25' To 30' Installed Height, Add	12.11	

07 22 Roof and Deck Insulation (07 20)**07 22 16 Roof Board Insulation** (07 22)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001		Rigid Board Roofing Insulation (07 22 16)		
		Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.75	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.19	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.63	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.42	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.21	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	3.02	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	3.50	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.66	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.66	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.92	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.23	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	3.98	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.45	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.64	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.83	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.25	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.63	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.78	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.10	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.49	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.31	
		For Loose-Laid, Deduct	-1.27	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.37	
		For Loose-Laid, Deduct	-1.27	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.66	
		For Loose-Laid, Deduct	-1.27	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.94	
		For Loose-Laid, Deduct	-1.28	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.06	
		For Loose-Laid, Deduct	-1.29	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.18	
		For Loose-Laid, Deduct	-1.30	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.31	
		For Loose-Laid, Deduct	-1.32	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.43	
		For Loose-Laid, Deduct	-1.33	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.55	
		For Loose-Laid, Deduct	-1.34	
07 22 16 00-0038		Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
		Note: 15 PSI compressive strength.		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0039	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.47	
			For Loose-Laid, Deduct	-1.37	
			For 25 PSI Compressive Strength, Add	0.35	
			For 40 PSI Compressive Strength, Add	0.83	
			For 60 PSI Compressive Strength, Add	1.33	
			For 115 PSI Compressive Strength, Add	5.73	
07 22 16 00-0040	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.53	
			For Loose-Laid, Deduct	-1.37	
			For 25 PSI Compressive Strength, Add	0.36	
			For 40 PSI Compressive Strength, Add	0.85	
			For 60 PSI Compressive Strength, Add	1.36	
			For 115 PSI Compressive Strength, Add	5.86	
07 22 16 00-0041	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.52	
			For Loose-Laid, Deduct	-1.37	
			For 25 PSI Compressive Strength, Add	0.52	
			For 40 PSI Compressive Strength, Add	1.22	
			For 60 PSI Compressive Strength, Add	1.93	
			For 100 PSI Compressive Strength, Add	2.48	
			For 115 PSI Compressive Strength, Add	8.41	
07 22 16 00-0042	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.06	
			For Loose-Laid, Deduct	-1.39	
			For 25 PSI Compressive Strength, Add	0.60	
			For 40 PSI Compressive Strength, Add	1.42	
			For 60 PSI Compressive Strength, Add	2.23	
			For 115 PSI Compressive Strength, Add	9.72	
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.20	
			For Loose-Laid, Deduct	-1.39	
			For 25 PSI Compressive Strength, Add	0.78	
			For 40 PSI Compressive Strength, Add	1.85	
			For 60 PSI Compressive Strength, Add	2.89	
			For 100 PSI Compressive Strength, Add	3.72	
			For 115 PSI Compressive Strength, Add	12.65	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.60	
			For Loose-Laid, Deduct	-1.41	
			For 25 PSI Compressive Strength, Add	0.84	
			For 40 PSI Compressive Strength, Add	1.99	
			For 60 PSI Compressive Strength, Add	3.10	
			For 115 PSI Compressive Strength, Add	13.58	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.38	
			For Loose-Laid, Deduct	-1.42	
			For 25 PSI Compressive Strength, Add	0.96	
			For 40 PSI Compressive Strength, Add	2.27	
			For 60 PSI Compressive Strength, Add	3.54	
			For 115 PSI Compressive Strength, Add	15.51	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.12	
			For Loose-Laid, Deduct	-1.37	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.18	
07 22 16 00-0048	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.24	
			For Loose-Laid, Deduct	-1.37	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.19	
07 22 16 00-0049	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.42	
			For Loose-Laid, Deduct	-1.38	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0050	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.89	
			For Loose-Laid, Deduct	-1.39	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.26	
07 22 16 00-0051	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.37	
			For Loose-Laid, Deduct	-1.40	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.30	
07 22 16 00-0052	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.84	
			For Loose-Laid, Deduct	-1.41	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.35	
07 22 16 00-0053	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.35	
			For Loose-Laid, Deduct	-1.41	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.40	
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.81	
			For Loose-Laid, Deduct	-1.42	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.44	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.62	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0057		Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)	
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.38
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.58
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.72
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.78
07 22 16 00-0062		Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)	
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.32
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.62
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.68
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.			
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.78
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.06
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.46
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.70
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.27
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.51
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.90
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.			
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.83
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.34
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.95
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.33
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.84
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.38
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.37
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)	
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)	
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.49
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.93
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.38
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	4.19
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	5.00
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)	
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.76
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.24
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0002)	
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.39
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.64
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.95
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.70
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.17
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)	
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.35
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	4.54
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	5.98



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0102			Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.34	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.50	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.82	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	13.22	
07 22 16 00-0107			Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.01	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.07	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.24	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.62	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.75	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.89	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.01	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.14	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.26	
07 22 16 00-0117			Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
Note: 15 PSI compressive strength.					
07 22 16 00-0118	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.19	
			For 25 PSI Compressive Strength, Add	0.28	
			For 40 PSI Compressive Strength, Add	0.67	
			For 60 PSI Compressive Strength, Add	1.10	
			For 115 PSI Compressive Strength, Add	4.69	
07 22 16 00-0119	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.25	
			For 25 PSI Compressive Strength, Add	0.29	
			For 40 PSI Compressive Strength, Add	0.69	
			For 60 PSI Compressive Strength, Add	1.13	
			For 115 PSI Compressive Strength, Add	4.82	
07 22 16 00-0120	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.24	
			For 25 PSI Compressive Strength, Add	0.45	
			For 40 PSI Compressive Strength, Add	1.07	
			For 60 PSI Compressive Strength, Add	1.70	
			For 100 PSI Compressive Strength, Add	2.18	
			For 115 PSI Compressive Strength, Add	7.36	
07 22 16 00-0121	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.93	
			For 25 PSI Compressive Strength, Add	0.53	
			For 40 PSI Compressive Strength, Add	1.26	
			For 60 PSI Compressive Strength, Add	2.00	
			For 115 PSI Compressive Strength, Add	8.67	
07 22 16 00-0122	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	19.11	
			For 25 PSI Compressive Strength, Add	0.71	
			For 40 PSI Compressive Strength, Add	1.69	
			For 60 PSI Compressive Strength, Add	3.32	
			For 100 PSI Compressive Strength, Add	4.08	
			For 115 PSI Compressive Strength, Add	12.93	
07 22 16 00-0123	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.32	
			For 25 PSI Compressive Strength, Add	0.77	
			For 40 PSI Compressive Strength, Add	1.83	
			For 60 PSI Compressive Strength, Add	2.87	
			For 115 PSI Compressive Strength, Add	12.51	
07 22 16 00-0124	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.10	
			For 25 PSI Compressive Strength, Add	0.89	
			For 40 PSI Compressive Strength, Add	2.11	
			For 60 PSI Compressive Strength, Add	3.30	
			For 115 PSI Compressive Strength, Add	14.44	
07 22 16 00-0125			Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0126	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.84	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0127	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.96	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0128	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.14	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.17	
07 22 16 00-0129	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.61	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.22	
07 22 16 00-0130	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.10	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.26	
07 22 16 00-0131	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.57	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.31	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped <i>For Foil Facer, Add</i> <i>For 25 PSI Compressive Strength, Add</i>	4.94 0.36 0.36	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped <i>For Foil Facer, Add</i> <i>For 25 PSI Compressive Strength, Add</i>	5.53 0.36 0.40	
07 22 16 00-0134		Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.13	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.33	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.46	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.53	
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	3.06	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	3.36	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	3.43	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.56 1.83 2.39 0.82 2.84 2.94 1.24 4.03 4.41	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.01 1.83 2.39 0.82 2.87 2.94 1.24 4.06 4.41	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.45 1.83 2.39 0.82 2.90 2.94 1.24 4.09 4.41	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.34 1.88 2.39 1.02 2.53 2.94 1.52 3.79 4.41	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened..... <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.13 1.88 2.32 1.02 2.53 2.97 1.52 3.79 4.45	
07 22 16 00-0150		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0151	SF	1/2"	Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.84 1.83 2.39 0.82 2.90 2.94 1.24 4.09 4.41	
07 22 16 00-0152	SF	1"	Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.32 1.83 2.39 0.82 2.90 2.94 1.24 4.09 4.41	
07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.					
07 22 16 00-0154	SF	1/2"	Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.48 1.83 2.39 0.82 2.78 2.94 1.24 3.97 4.41	
07 22 16 00-0155	SF	3/4"	Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.74 1.83 2.39 0.82 2.79 2.94 1.24 3.98 4.41	
07 22 16 00-0156	SF	1"	Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.05 1.83 2.39 0.82 2.79 2.94 1.24 3.98 4.41	
07 22 16 00-0157	SF	1-1/2"	Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90 1.88 2.39 1.02 2.53 2.94 1.52 3.79 4.41	
07 22 16 00-0158	SF	2"	Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.37 1.88 2.32 1.02 2.53 2.97 1.52 3.79 4.45	
07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.					
07 22 16 00-0160	SF	1"	Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened For Mechanically Fastened To Concrete, Add For Mechanically Fastened To Gypsum, Add For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.46 1.83 2.39 0.82 2.79 2.94 1.24 3.98 4.41	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	4.75		
		For Mechanically Fastened To Concrete, Add	1.88		
		For Mechanically Fastened To Gypsum, Add	2.32		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45		
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	6.27		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Gypsum, Add	2.41		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.49		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76		
07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation					
		(07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.55		
		For Mechanically Fastened To Concrete, Add	1.88		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41		
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.70		
		For Mechanically Fastened To Concrete, Add	1.88		
		For Mechanically Fastened To Gypsum, Add	2.32		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45		
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	10.12		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Gypsum, Add	2.41		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.49		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76		
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	13.69		
		For Mechanically Fastened To Concrete, Add	1.99		
		For Mechanically Fastened To Gypsum, Add	2.34		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.72		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.35		
07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation					
		(07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.13		
		For Mechanically Fastened To Concrete, Add	1.83		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.72		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.91		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41		
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.19		
		For Mechanically Fastened To Concrete, Add	1.83		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.72		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.91		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0171	SF	3/4"	Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....2.48 For Mechanically Fastened To Concrete, Add 1.83 For Mechanically Fastened To Gypsum, Add 2.39 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.82 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.72 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.94 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.24 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.91 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.41		
07 22 16 00-0172	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 2.76 For Mechanically Fastened To Concrete, Add 1.83 For Mechanically Fastened To Gypsum, Add 2.39 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.82 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.73 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.94 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.24 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.92 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.41		
07 22 16 00-0173	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 3.98 For Mechanically Fastened To Concrete, Add 1.88 For Mechanically Fastened To Gypsum, Add 2.32 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.02 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.53 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.97 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.52 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.79 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.45		
07 22 16 00-0174	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 5.20 For Mechanically Fastened To Concrete, Add 1.93 For Mechanically Fastened To Gypsum, Add 2.41 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.17 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 3.07 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.23 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.75 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.42 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.76		
07 22 16 00-0175	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 6.50 For Mechanically Fastened To Concrete, Add 1.99 For Mechanically Fastened To Gypsum, Add 2.42 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.38 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.92 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.35 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 2.07 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.37 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 5.02		
07 22 16 00-0176	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 7.83 For Mechanically Fastened To Concrete, Add 2.04 For Mechanically Fastened To Gypsum, Add 2.38 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.64 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 3.18 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.92 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 2.44 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.76 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 5.68		
07 22 16 00-0177	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 9.48 For Mechanically Fastened To Concrete, Add 2.10 For Mechanically Fastened To Gypsum, Add 2.42 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.93 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 3.49 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 4.21 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 2.89 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 5.22 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 6.10		
07 22 16 00-0178			Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0143) Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened 3.29 For 25 PSI Compressive Strength, Add 0.32 For 40 PSI Compressive Strength, Add 0.76 For 60 PSI Compressive Strength, Add 1.22 For 115 PSI Compressive Strength, Add 5.27 For Mechanically Fastened To Concrete, Add 1.83 For Mechanically Fastened To Gypsum, Add 2.39 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.82 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.79 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.94 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.24 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.98 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.41		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.35		
		For 25 PSI Compressive Strength, Add	0.33		
		For 40 PSI Compressive Strength, Add	0.78		
		For 60 PSI Compressive Strength, Add	1.25		
		For 115 PSI Compressive Strength, Add	5.40		
		For Mechanically Fastened To Concrete, Add	1.83		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41		
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.44		
		For 25 PSI Compressive Strength, Add	0.50		
		For 40 PSI Compressive Strength, Add	1.19		
		For 60 PSI Compressive Strength, Add	1.89		
		For 100 PSI Compressive Strength, Add	2.42		
		For 115 PSI Compressive Strength, Add	8.20		
		For Mechanically Fastened To Concrete, Add	1.88		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41		
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.98		
		For 25 PSI Compressive Strength, Add	0.58		
		For 40 PSI Compressive Strength, Add	1.39		
		For 60 PSI Compressive Strength, Add	2.18		
		For 115 PSI Compressive Strength, Add	9.51		
		For Mechanically Fastened To Concrete, Add	1.88		
		For Mechanically Fastened To Gypsum, Add	2.32		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45		
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.23		
		For 25 PSI Compressive Strength, Add	0.78		
		For 40 PSI Compressive Strength, Add	1.86		
		For 60 PSI Compressive Strength, Add	2.91		
		For 100 PSI Compressive Strength, Add	3.74		
		For 115 PSI Compressive Strength, Add	12.73		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Gypsum, Add	2.35		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.13		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.48		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66		
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	6.62		
		For 25 PSI Compressive Strength, Add	0.84		
		For 40 PSI Compressive Strength, Add	2.00		
		For 60 PSI Compressive Strength, Add	3.11		
		For 115 PSI Compressive Strength, Add	13.63		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Gypsum, Add	2.41		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.49		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76		
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	7.57		
		For 25 PSI Compressive Strength, Add	0.99		
		For 40 PSI Compressive Strength, Add	2.34		
		For 60 PSI Compressive Strength, Add	3.65		
		For 115 PSI Compressive Strength, Add	16.00		
		For Mechanically Fastened To Concrete, Add	1.99		
		For Mechanically Fastened To Gypsum, Add	2.42		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.35		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.02		

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)
Note: Mechanically fastened to wood or steel.



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0187	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.94	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.17	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0188	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.06	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.18	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0189	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.34	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.20	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0190	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.81	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.25	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Gypsum, Add	2.32	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 22 16 00-0191	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.39	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.30	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.49	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0192	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.87	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.35	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.49	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0193	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.54	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.42	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.73	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.36	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0194 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	6.00	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.46	
For Mechanically Fastened To Concrete, Add	1.99	
For Mechanically Fastened To Gypsum, Add	2.42	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.35	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.02	
07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.44	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.20	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0199 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.40	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0200 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.54	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0201 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.60	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.14	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	



Thermal And Moisture Protection			07	07
Thermal Protection			07 20	
Roof and Deck Insulation			07 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0204	SF	1/2"	Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.44	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0205	SF	5/8"	Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.50	
			For Mechanically Fastened To Concrete, Add	1.83	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.03	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0206			Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation 07 22 16 00-0143 Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0207	SF	1.5"	Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.70	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 22 16 00-0208	SF	2"	Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.98	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Gypsum, Add	2.32	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.45	
07 22 16 00-0209	SF	2.5"	Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.48	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.70	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0210	SF	3"	Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.72	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.70	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0211	SF	3.5"	Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.46	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.57	
07 22 16 00-0212	SF	4"	Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.70	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.02	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0213	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.30	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.25	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	6.01	
07 22 16 00-0214			Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0143)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0215	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.85	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.33	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.68	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0216	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.36	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.34	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.69	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0217	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.14	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.93	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.56	
07 22 16 00-0218	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.53	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.02	
07 22 16 00-0219	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.24	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.19	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.95	
07 22 16 00-0220	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.78	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.20	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.96	
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	10.02	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.53	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	6.42	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0222			Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223			Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224			Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225			Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	5.64 0.37	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	7.70 0.42	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	8.36 0.49	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	9.03 0.56	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	9.69 0.62	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	11.77 0.68	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	12.43 0.74	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	13.10 0.81	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	13.76 0.88	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	15.82 0.93	
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	5.31 0.34	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	8.03 0.46	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	9.36 0.59	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	12.10 0.71	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	13.43 0.84	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	16.15 0.96	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	8.69 0.52	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	12.77 0.78	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	16.82 1.03	
07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied For 25 PSI Compressive Strength, Add	20.89 1.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.89
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.99
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.49
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.99
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.49
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.60
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.10
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.60
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.10
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.20
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.64
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.24
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.24
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.85
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.85
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.45
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.74
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.35
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.94
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	19.05
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.49
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.56
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.19
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.82
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.45
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.54
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.17
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.80
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.43
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.50



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0284			Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.17	
07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.87	
07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.13	
07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.85	
07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.11	
07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.81	
07 22 16 00-0291			Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.50	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.48	
07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	16.44	
07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	20.42	
07 22 16 00-0296			Cold Adhesive Applied, Tapered Perlite Board (07 22 16 00-0223)		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0297			Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.02	
07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.36	
07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.75	
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.24	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.63	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.97	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.37	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.85	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.25	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.59	
07 22 16 00-0308			Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.32	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.06	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.94	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.67	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.55	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.28	
07 22 16 00-0315			Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.45	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.06	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.68	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	25.29	
07 22 16 00-0320			Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0321			Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)		
07 22 16 00-0322			Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.22	
			For 25 PSI Compressive Strength, Add	0.33	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.27	
			For 25 PSI Compressive Strength, Add	0.35	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.93	
			For 25 PSI Compressive Strength, Add	0.41	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.25	
			For 25 PSI Compressive Strength, Add	0.48	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.26	
			For 25 PSI Compressive Strength, Add	0.55	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.14	
			For 25 PSI Compressive Strength, Add	0.56	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.80	
			For 25 PSI Compressive Strength, Add	0.63	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0330 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	12.47 0.70	
07 22 16 00-0331 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	13.13 0.76	
07 22 16 00-0332 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	14.97 0.78	
07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0334 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	5.08 0.30	
07 22 16 00-0335 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	7.60 0.38	
07 22 16 00-0336 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	8.93 0.51	
07 22 16 00-0337 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	11.47 0.60	
07 22 16 00-0338 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	12.80 0.73	
07 22 16 00-0339 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	15.31 0.81	
07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0341 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	8.27 0.45	
07 22 16 00-0342 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	12.13 0.66	
07 22 16 00-0343 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	15.97 0.88	
07 22 16 00-0344 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	19.83 1.09	
07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)		
07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0347 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.11	
07 22 16 00-0348 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.93	
07 22 16 00-0349 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.33	
07 22 16 00-0350 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.13	
07 22 16 00-0351 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.52	
07 22 16 00-0352 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.34	
07 22 16 00-0353 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.74	
07 22 16 00-0354 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.54	
07 22 16 00-0355 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	15.93	
07 22 16 00-0356 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	17.74	
07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0358 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.41	
07 22 16 00-0359 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.63	
07 22 16 00-0360 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.82	
07 22 16 00-0361 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	14.04	
07 22 16 00-0362 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	15.23	
07 22 16 00-0363 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	18.44	
07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0365 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	11.02	
07 22 16 00-0366 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.43	
07 22 16 00-0367 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	84.58	
07 22 16 00-0368 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	24.23	
07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)		
Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		



Thermal And Moisture Protection			07	07
Thermal Protection			07 20	
Roof and Deck Insulation			07 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 5.56		
			For 25 PSI Compressive Strength, Add	0.36	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 7.04		
			For 25 PSI Compressive Strength, Add	0.36	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 7.70		
			For 25 PSI Compressive Strength, Add	0.42	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 8.54		
			For 25 PSI Compressive Strength, Add	0.51	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 9.20		
			For 25 PSI Compressive Strength, Add	0.57	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.02	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 10.80		
			For 25 PSI Compressive Strength, Add	0.58	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened 11.47		
			For 25 PSI Compressive Strength, Add	0.65	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.38	
		For 25 PSI Compressive Strength, Add	0.74	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	13.04	
		For 25 PSI Compressive Strength, Add	0.80	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	14.81	
		For 25 PSI Compressive Strength, Add	0.83	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.23	
		For 25 PSI Compressive Strength, Add	0.33	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.37	
		For 25 PSI Compressive Strength, Add	0.39	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.87	
		For 25 PSI Compressive Strength, Add	0.54	
		For Mechanically Fastened To Concrete, Add	1.99	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.13	
		For 25 PSI Compressive Strength, Add	0.61	
		For Mechanically Fastened To Concrete, Add	2.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.71	
		For 25 PSI Compressive Strength, Add	0.77	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.14	
		For 25 PSI Compressive Strength, Add	0.86	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.03	
		For 25 PSI Compressive Strength, Add	0.46	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.37	
		For 25 PSI Compressive Strength, Add	0.64	
		For Mechanically Fastened To Concrete, Add	2.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.80	
		For 25 PSI Compressive Strength, Add	0.93	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.08	
		For 25 PSI Compressive Strength, Add	1.20	
		For Mechanically Fastened To Concrete, Add	1.84	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.24	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.50	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.87	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.75	
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0369)		
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.81	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.33		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66		
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.83		
		For Mechanically Fastened To Concrete, Add	1.93		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76		
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.50		
		For Mechanically Fastened To Concrete, Add	1.99		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90		
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.00		
		For Mechanically Fastened To Concrete, Add	1.99		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.35		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.02		
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.64		
		For Mechanically Fastened To Concrete, Add	2.04		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28		
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.13		
		For Mechanically Fastened To Concrete, Add	2.04		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28		
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.88		
		For Mechanically Fastened To Concrete, Add	2.10		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69		
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.38		
		For Mechanically Fastened To Concrete, Add	2.10		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0405	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.18	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0406			Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0407	SF		2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.56	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0408	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.58	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.75	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.88	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.13	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.43	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0413			Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.08	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.38	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.93	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	18.24	
			For Mechanically Fastened To Concrete, Add	1.84	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.24	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.50	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.87	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.75	
07 22 16 00-0418			Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419			Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0420	SF		2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.41	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0421	SF		2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.90	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0422	SF		3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.95	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0423	SF		3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.33	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0424	SF		4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.96	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.02	
07 22 16 00-0425	SF		4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.57	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0426	SF		5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.20	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0427	SF		5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.08	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0428	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.71	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.48	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0430			Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.09	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.21	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.64	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.88	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.40	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.80	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0437			Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.84	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0439	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.52	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0440	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	15.43	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0441	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	19.33	
			For Mechanically Fastened To Concrete, Add	1.84	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.24	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.50	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.87	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.75	
07 22 16 00-0442			Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369) Note: Mechanically fastened to wood or steel.		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0443			Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0444	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.25	
			For Mechanically Fastened To Concrete, Add	1.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0445	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.70	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0446	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.09	
			For Mechanically Fastened To Concrete, Add	1.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	
07 22 16 00-0447	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.06	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0448	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.46	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.35	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.02	
07 22 16 00-0449	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.00	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.40	
			For Mechanically Fastened To Concrete, Add	2.04	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.45	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.85	
			For Mechanically Fastened To Concrete, Add	2.10	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.57	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.56	
		For Mechanically Fastened To Concrete, Add	1.88	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.29	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.02	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.53	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.52	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.39	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.35	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.76	
		For Mechanically Fastened To Concrete, Add	1.99	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.38	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.27	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.07	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.90	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.70	
		For Mechanically Fastened To Concrete, Add	2.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.64	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.15	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.93	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.49	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.80	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.89	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.22	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.69	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	18.27	
		For Mechanically Fastened To Concrete, Add	2.10	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.46	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.31	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.23	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.47	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.80	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.34	
07 22 16 00-0461		Mechanically Fastened, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.79	
		For Mechanically Fastened To Concrete, Add	1.93	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.41	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.17	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.04	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.76	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0463	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....15.10 For Mechanically Fastened To Concrete, Add 2.04 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 2.38 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.64 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 3.18 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add 3.52 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 2.44 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.76 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add 5.28		
07 22 16 00-0464	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....19.66 For Mechanically Fastened To Concrete, Add 2.10 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add 2.46 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 2.31 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 3.87 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add 4.23 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 3.47 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 5.80 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add 6.34		
07 22 16 00-0465	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....24.48 For Mechanically Fastened To Concrete, Add 1.84 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 3.24 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 4.50 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add 4.23 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 4.87 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 6.75 For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add 6.34		
07 22 16 00-0466			Demolish Rigid Board Roofing Insulation (07 22 16) Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0467	SF		Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation 0.71		
07 22 16 00-0468	SF		Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation 0.73		
07 22 16 00-0469	SF		Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation 0.75		
07 22 16 00-0470	SF		Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation 0.78		
07 22 16 00-0471	SF		Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation 0.80		
07 22 16 00-0472	SF		Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation 0.82		
07 22 16 00-0473	SF		Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation 0.84		
07 22 16 00-0474	SF		Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation 0.86		
07 22 16 00-0475	SF		Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation 0.88		
07 22 16 00-0476	SF		Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation 0.90		
07 22 16 00-0477	SF		Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation 0.92		
07 22 16 00-0478	SF		Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation 0.94		
07 22 16 00-0479	SF		Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation 0.96		
07 24 Exterior Insulation and Finish Systems (07 20)					
07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)					
07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)					
07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
07 24 13 00-0003	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied 4.26 For Up To 100, Add 0.86 For >100 To 500, Add 0.43 For >5,000, Deduct -0.17 For Adhesive And Mechanically Fastened To Wood Or Steel, Add 1.72 For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add 2.56		
07 24 13 00-0004	SF		1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied 4.84 For Up To 100, Add 0.87 For >100 To 500, Add 0.44 For >5,000, Deduct -0.17 For Adhesive And Mechanically Fastened To Wood Or Steel, Add 1.75 For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add 2.57		
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied 5.40 For Up To 100, Add 0.88 For >100 To 500, Add 0.44 For >5,000, Deduct -0.18 For Adhesive And Mechanically Fastened To Wood Or Steel, Add 1.94 For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add 2.73		
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied 5.97 For Up To 100, Add 0.89 For >100 To 500, Add 0.45 For >5,000, Deduct -0.18 For Adhesive And Mechanically Fastened To Wood Or Steel, Add 2.03 For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add 2.86		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	6.54	
			For Up To 100, Add	0.90	
			For >100 To 500, Add	0.45	
			For >5,000, Deduct	-0.18	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.03	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.86	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	7.66	
			For Up To 100, Add	0.91	
			For >100 To 500, Add	0.46	
			For >5,000, Deduct	-0.18	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.27	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	3.06	
07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.					
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	5.54	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	6.17	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	7.85	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	8.36	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.70	
			For Up To 100, Add	0.86	
			For >100 To 500, Add	0.43	
			For >5,000, Deduct	-0.17	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	3.16	
			For Up To 100, Add	0.86	
			For >100 To 500, Add	0.43	
			For >5,000, Deduct	-0.17	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.67	
			For Up To 100, Add	0.86	
			For >100 To 500, Add	0.43	
			For >5,000, Deduct	-0.17	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	7.65	
			For Up To 100, Add	0.86	
			For >100 To 500, Add	0.43	
			For >5,000, Deduct	-0.17	
07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
Note: Includes all standard manufacturers' colors.					
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.54	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.64	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	5.37	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	



Thermal And Moisture Protection			07
Thermal Protection			07 20
Exterior Insulation and Finish Systems			07 24

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.02	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.37	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	6.03	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.74	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.42	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.23	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.86	
			For >5,000, Deduct	-0.34	
07 24 13 00-0029			Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF		100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.37	
			For Up To 100, Add	0.48	
			For >100 To 500, Add	0.24	
			For >5,000, Deduct	-0.10	
07 24 13 00-0031	SF		100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.40	
			For Up To 100, Add	0.48	
			For >100 To 500, Add	0.24	
			For >5,000, Deduct	-0.10	
07 24 13 00-0032			Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF		Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.92	
			For Up To 100, Add	0.48	
			For >100 To 500, Add	0.24	
			For >5,000, Deduct	-0.10	
07 24 13 00-0034	SF		Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.39	
			For Up To 100, Add	0.48	
			For >100 To 500, Add	0.24	
			For >5,000, Deduct	-0.10	
07 24 13 00-0035			Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF		1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.97	
			For Up To 100, Add	0.54	
			For >100 To 500, Add	0.27	
			For >5,000, Deduct	-0.11	
07 24 13 00-0037			Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.37	
07 24 13 00-0039	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.72	
07 24 13 00-0040	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.13	
07 24 13 00-0041	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.98	
07 24 13 00-0042	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.72	
07 24 13 00-0043	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.13	
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.53	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.47	
07 24 13 00-0046			Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	7.16	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			For Up To 100, Add	3.58	
			For >100 To 500, Add	1.79	
			For >5,000, Deduct	-0.72	

07 25 Weather Barriers ⁽⁰⁷⁾**07 26 Vapor Retarders** ^(07 25)**07 26 13 Above-Grade Vapor Retarders** ^(07 26)

07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	32.00	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	29.60	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	37.27	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	48.51	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing	27.14	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	91.13	
07 26 13 00-0007	CLF		4" Wide Self-Adhering Butyl Sealing Tape.....	139.96	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape	202.86	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape	282.79	
07 26 13 00-0010	CSF		Building Wrap (Tyvek).....	79.28	

07 27 Air Barriers ^(07 25)**07 27 23 Board Product Air Barriers** ^(07 27)**07 27 23 00-0001 Barriers For Plenums** ^(07 27 23)

07 27 23 00-0002	SF		0.5" Thick Leadless Vinyl Acoustic Plenum Barrier 0.48 Lb./SF.....	13.49	3.45
			For Up To 50, Add	4.73	
			For >50 To 200, Add	2.70	
			For >200 To 500, Add	1.01	
			For >2,500, Deduct	-0.67	
07 27 23 00-0003	SF		0.625" Thick Leadless Vinyl Acoustic Plenum Barrier 0.87 Lb./SF.....	14.60	3.45
			For Up To 50, Add	5.16	
			For >50 To 200, Add	2.95	
			For >200 To 500, Add	1.10	
			For >2,500, Deduct	-0.73	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.14	2.30
			For Up To 50, Add	2.45	
			For >50 To 200, Add	1.35	
			For >200 To 500, Add	0.47	
			For >2,500, Deduct	-0.26	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	9.45	3.45
			For Up To 50, Add	4.39	
			For >50 To 200, Add	2.43	
			For >200 To 500, Add	0.84	
			For >2,500, Deduct	-0.47	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.43	2.30
			For Up To 50, Add	2.64	
			For >50 To 200, Add	1.48	
			For >200 To 500, Add	0.53	
			For >2,500, Deduct	-0.32	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF.....	10.51	2.30
			For Up To 50, Add	3.11	
			For >50 To 200, Add	1.82	
			For >200 To 500, Add	0.72	
			For >2,500, Deduct	-0.53	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets ^(07 27 23)

07 27 23 00-0009	SF		1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.20	
07 27 23 00-0010	SF		2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.37	
07 27 23 00-0011	SF		3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.43	
07 27 23 00-0012	SF		4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.47	

07 30 Steep Slope Roofing ⁽⁰⁷⁾

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes ^(07 30)**07 31 13 Asphalt Shingles** ^(07 31)**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** ^(07 31 13)**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** ^(07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.



Thermal And Moisture Protection			07
Steep Slope Roofing			07 30
Shingles and Shakes			07 31

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0002	SQ		200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	337.42	235.09
			For >35 To 75, Deduct	-12.36	
			For >75 To 100, Deduct	-20.18	
			For >100 To 200, Deduct	-30.47	
			For >200, Deduct	-46.10	
			For Steep Roof, Over 7 To 12, Add	68.42	
07 31 13 13-0003	SQ		220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....	353.89	246.89
			For >35 To 75, Deduct	-12.95	
			For >75 To 100, Deduct	-21.15	
			For >100 To 200, Deduct	-31.93	
			For >200, Deduct	-48.33	
			For Steep Roof, Over 7 To 12, Add	71.82	
07 31 13 13-0004	SQ		230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	406.27	259.20
			For >35 To 75, Deduct	-17.06	
			For >75 To 100, Deduct	-26.36	
			For >100 To 200, Deduct	-39.07	
			For >200, Deduct	-57.68	
			For Steep Roof, Over 7 To 12, Add	75.43	
07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)					
Note: Excludes underlayment, drip edges, and ridge vent/shingles.					
07 31 13 13-0006	SQ		245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	421.66	300.11
			For >35 To 75, Deduct	-14.89	
			For >75 To 100, Deduct	-24.68	
			For >100 To 200, Deduct	-37.46	
			For >200, Deduct	-57.05	
			For Steep Roof, Over 7 To 12, Add	87.29	
07 31 13 13-0007	SQ		240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	442.42	285.74
			For >35 To 75, Deduct	-18.26	
			For >75 To 100, Deduct	-28.41	
			For >100 To 200, Deduct	-42.21	
			For >200, Deduct	-62.50	
			For Steep Roof, Over 7 To 12, Add	83.15	
07 31 13 13-0008	SQ		265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	479.96	315.11
			For >35 To 75, Deduct	-19.35	
			For >75 To 100, Deduct	-30.38	
			For >100 To 200, Deduct	-45.28	
			For >200, Deduct	-67.34	
			For Steep Roof, Over 7 To 12, Add	91.68	
07 31 13 13-0009	SQ		235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	459.49	272.14
			For >35 To 75, Deduct	-21.21	
			For >75 To 100, Deduct	-31.64	
			For >100 To 200, Deduct	-46.30	
			For >200, Deduct	-67.16	
			For Steep Roof, Over 7 To 12, Add	79.17	
07 31 13 13-0010	SQ		300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	519.32	330.88
			For >35 To 75, Deduct	-21.86	
			For >75 To 100, Deduct	-33.75	
			For >100 To 200, Deduct	-50.01	
			For >200, Deduct	-73.79	
			For Steep Roof, Over 7 To 12, Add	96.24	
07 31 13 13-0011	SQ		300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	551.36	330.88
			For >35 To 75, Deduct	-25.06	
			For >75 To 100, Deduct	-37.59	
			For >100 To 200, Deduct	-55.14	
			For >200, Deduct	-80.20	
			For Steep Roof, Over 7 To 12, Add	96.24	
07 31 13 13-0012	SQ		355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	602.56	364.75
			For >35 To 75, Deduct	-27.09	
			For >75 To 100, Deduct	-40.80	
			For >100 To 200, Deduct	-59.93	
			For >200, Deduct	-87.35	
			For Steep Roof, Over 7 To 12, Add	106.13	
07 31 13 13-0013	SQ		340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	595.78	347.43
			For >35 To 75, Deduct	-28.00	
			For >75 To 100, Deduct	-41.50	
			For >100 To 200, Deduct	-60.59	
			For >200, Deduct	-87.58	
			For Steep Roof, Over 7 To 12, Add	101.04	
07 31 13 13-0014	SQ		300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	590.75	330.88
			For >35 To 75, Deduct	-29.00	
			For >75 To 100, Deduct	-42.32	
			For >100 To 200, Deduct	-61.44	
			For >200, Deduct	-88.08	
			For Steep Roof, Over 7 To 12, Add	96.24	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ		355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	688.82	364.75
			For >35 To 75, Deduct	-35.72	
			For >75 To 100, Deduct	-51.15	
			For >100 To 200, Deduct	-73.73	
			For >200, Deduct	-104.60	
			For Steep Roof, Over 7 To 12, Add	106.13	
07 31 13 13-0016	SQ		355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	711.28	364.75
			For >35 To 75, Deduct	-37.96	
			For >75 To 100, Deduct	-53.85	
			For >100 To 200, Deduct	-77.32	
			For >200, Deduct	-109.09	
			For Steep Roof, Over 7 To 12, Add	106.13	
07 31 13 13-0017	SQ		480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	789.82	402.20
			For >35 To 75, Deduct	-42.42	
			For >75 To 100, Deduct	-60.04	
			For >100 To 200, Deduct	-86.15	
			For >200, Deduct	-121.40	
			For Steep Roof, Over 7 To 12, Add	117.00	
07 31 13 13-0018	SQ		425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	776.26	382.96
			For >35 To 75, Deduct	-42.81	
			For >75 To 100, Deduct	-60.07	
			For >100 To 200, Deduct	-85.90	
			For >200, Deduct	-120.43	
			For Steep Roof, Over 7 To 12, Add	111.42	
07 31 13 13-0019			Asphalt Shingle Accessories (07 31 13 13)		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent	9.62	1.41
			Note: Excludes shingles.		
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	4.79	3.50
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	5.75	3.89
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	109.01	
07 31 16			Metal Shingles (07 31 16)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick.....	787.59	226.60
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick.....	1,033.35	247.66
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	13.78	3.26
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	14.32	3.26
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	9.70	3.26
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	10.79	3.26
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	611.78	198.41
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-8.60	
			For >75 To 100, Deduct	-24.97	
			For >100 To 200, Deduct	-43.48	
			For >200, Deduct	-59.85	
			For Steep Roof, Over 7 To 12, Add	127.00	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	590.70	196.81
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-7.89	
			For >75 To 100, Deduct	-23.64	
			For >100 To 200, Deduct	-41.37	
			For >200, Deduct	-57.12	
			For Steep Roof, Over 7 To 12, Add	125.92	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	925.09	198.41
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-21.13	
			For >75 To 100, Deduct	-46.90	
			For >100 To 200, Deduct	-77.95	
			For >200, Deduct	-103.72	
			For Steep Roof, Over 7 To 12, Add	127.00	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	856.59	196.81
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-18.52	
			For >75 To 100, Deduct	-42.25	
			For >100 To 200, Deduct	-70.61	
			For >200, Deduct	-94.35	
			For Steep Roof, Over 7 To 12, Add	125.92	



Thermal And Moisture Protection			07
Steep Slope Roofing			07 30
Shingles and Shakes			07 31

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley.....	9.71	2.65
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-0.18	
			For >75 To 100, Deduct	-0.45	
			For >100 To 200, Deduct	-0.76	
			For >200, Deduct	-1.02	
			For Steep Roof, Over 7 To 12, Add	1.66	
07 31 26 Slate Shingles (07 31)					
Note: Includes 30 Lb. felt and fasteners.					
07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails (07 31 26)					
07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,254.33	338.39
			For >50 To 75, Deduct	-20.10	
			For >75 To 100, Deduct	-53.97	
			For >100 To 200, Deduct	-92.86	
			For >200, Deduct	-126.73	
			For Graduated Shapes, Add	75.36	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,388.28	338.39
			For >50 To 75, Deduct	-25.45	
			For >75 To 100, Deduct	-63.34	
			For >100 To 200, Deduct	-107.60	
			For >200, Deduct	-145.48	
			For Graduated Shapes, Add	95.45	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor	1,348.09	338.39
			For >50 To 75, Deduct	-23.85	
			For >75 To 100, Deduct	-60.53	
			For >100 To 200, Deduct	-103.17	
			For >200, Deduct	-139.86	
			For Graduated Shapes, Add	89.42	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green.....	1,361.49	338.39
			For >50 To 75, Deduct	-24.38	
			For >75 To 100, Deduct	-61.47	
			For >100 To 200, Deduct	-104.65	
			For >200, Deduct	-141.73	
			For Graduated Shapes, Add	91.43	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,415.06	338.39
			For >50 To 75, Deduct	-26.53	
			For >75 To 100, Deduct	-65.22	
			For >100 To 200, Deduct	-110.54	
			For >200, Deduct	-149.23	
			For Graduated Shapes, Add	99.47	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0007	SQ		Slate Shingles, Vermont, Unfading Color, Purple	1,348.09	338.39
			For >50 To 75, Deduct	-23.85	
			For >75 To 100, Deduct	-60.53	
			For >100 To 200, Deduct	-103.17	
			For >200, Deduct	-139.86	
			For Graduated Shapes, Add	89.42	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0008	SQ		Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,307.91	338.39
			For >50 To 75, Deduct	-22.24	
			For >75 To 100, Deduct	-57.72	
			For >100 To 200, Deduct	-98.75	
			For >200, Deduct	-134.23	
			For Graduated Shapes, Add	83.40	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0009	SQ		Slate Shingles, Vermont, Unfading Color, Red	2,144.86	338.39
			For >50 To 75, Deduct	-55.72	
			For >75 To 100, Deduct	-116.30	
			For >100 To 200, Deduct	-190.82	
			For >200, Deduct	-251.40	
			For Graduated Shapes, Add	208.94	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 26 00-0010	SQ		Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,348.09	338.39
			For >50 To 75, Deduct	-23.85	
			For >75 To 100, Deduct	-60.53	
			For >100 To 200, Deduct	-103.17	
			For >200, Deduct	-139.86	
			For Graduated Shapes, Add	89.42	
			For Steep Roof, Over 7 To 12, Add	240.62	
07 31 29 Wood Shingles and Shakes (07 31)					
07 31 29 13 Wood Shingles (07 31 29)					
07 31 29 13-0001			#1 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0002			#1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)		

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	966.79 147.26 75.99	230.09
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	699.77 110.44 53.19	172.57
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	859.75 125.17 70.29	195.58
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	704.03 103.08 57.29	161.06
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	943.23 97.56 95.75	152.44
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	728.05 82.83 70.38	129.42
07 31 29 13-0009		#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	667.47 38.00	207.08
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	654.54 39.51	195.58
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	674.52 50.27	169.70
07 31 29 13-0013		#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014		#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	892.37 154.62 61.38	241.60
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	795.21 139.89 53.71	218.59
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	851.06 139.89 62.08	218.59
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	759.34 125.17 55.23	195.58
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	750.24 97.56 66.81	152.44
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	611.50 84.67 52.04	132.30
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	641.76 30.69	218.59
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	621.11 31.04	207.08
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	601.97 35.07	184.08
07 31 29 16		Wood Shakes (07 31 29)		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	701.25 119.65 49.10	186.95
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	810.36 119.65 65.47	186.95
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	754.97 97.56 67.52	152.44
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	801.35 97.56 74.47	152.44
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	730.01 49.10	201.33



Thermal And Moisture Protection			07
Steep Slope Roofing			07 30
Shingles and Shakes			07 31

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	839.12 65.47	201.33
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	795.24 67.52	172.57
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	841.62 74.47	172.57
07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)					
07 31 29 19-0001 Accessories (07 31 29 19)					
07 31 29 19-0002	LF		Hip Or Ridge Cap For Wood Shingles Or Shakes <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	12.12 1.11 1.30	1.50
07 31 33 Composite Rubber Shingles (07 31)					
07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles (07 31 33)					
Note: As manufactured by EcoStar.					
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,501.01 143.00 366.44 194.32 -22.34 -59.87 -97.39 -150.10 104.33 208.64	303.66
07 31 33 00-0003	SQ		Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	2,096.84 223.44 194.32 -37.24 -89.66 -142.08 -209.68 146.89 293.76	303.66
07 31 33 00-0004	SQ		Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,746.35 410.07 194.32 -28.48 -72.14 -115.79 -174.64 121.85 243.69	303.66
07 31 33 00-0005	SQ		Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	2,219.51 177.35 194.32 -40.31 -95.79 -151.28 -221.95 155.65 311.29	303.66
07 31 33 00-0006	LF		Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	17.63	2.04
07 32 Roof Tiles (07 30)					
07 32 13 Clay Roof Tiles (07 32)					
Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.					
07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)					
Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.					
07 32 13 00-0002	SQ		Lanai Or Classic Tile, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,437.49 -47.73 -95.60 -135.52 -167.48 -191.48 55.69	320.92
07 32 13 00-0003	SQ		Americana (Most Colors) Tile Roofing, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,691.48 -62.97 -121.00 -168.54 -205.58 -232.12 73.47	320.92

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004	SQ		Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,691.48	320.92
			For >25 To 50, Deduct	-62.97	
			For >50 To 75, Deduct	-121.00	
			For >75 To 100, Deduct	-168.54	
			For >100 To 200, Deduct	-205.58	
			For >200, Deduct	-232.12	
			For 20 Year Warranty, Add	73.47	
07 32 13 00-0005	SQ		Americana (Blue) Tile, 158 Piece Per SQ	1,906.98	320.92
			For >25 To 50, Deduct	-75.90	
			For >50 To 75, Deduct	-142.55	
			For >75 To 100, Deduct	-196.55	
			For >100 To 200, Deduct	-237.90	
			For >200, Deduct	-266.60	
			For 20 Year Warranty, Add	88.55	
07 32 13 00-0006	SQ		French Tile Roofing, Red, 133 Piece Per SQ	1,716.87	392.39
			For >25 To 50, Deduct	-55.93	
			For >50 To 75, Deduct	-112.83	
			For >75 To 100, Deduct	-160.41	
			For >100 To 200, Deduct	-198.67	
			For >200, Deduct	-227.61	
			For 20 Year Warranty, Add	65.25	
07 32 13 00-0007	SQ		French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,095.98	392.39
			For >25 To 50, Deduct	-78.67	
			For >50 To 75, Deduct	-150.74	
			For >75 To 100, Deduct	-209.70	
			For >100 To 200, Deduct	-255.54	
			For >200, Deduct	-288.27	
			For 20 Year Warranty, Add	91.79	
07 32 13 00-0008	SQ		Norman Tile Roofing, 317 Piece Per SQ	2,685.18	529.36
			For >25 To 50, Deduct	-97.61	
			For >50 To 75, Deduct	-189.14	
			For >75 To 100, Deduct	-264.40	
			For >100 To 200, Deduct	-323.40	
			For >200, Deduct	-366.13	
			For 20 Year Warranty, Add	113.88	
07 32 13 00-0009	SQ		Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,527.20	392.39
			For >25 To 50, Deduct	-44.55	
			For >50 To 75, Deduct	-93.86	
			For >75 To 100, Deduct	-135.76	
			For >100 To 200, Deduct	-170.22	
			For >200, Deduct	-197.27	
			For 20 Year Warranty, Add	51.97	
07 32 13 00-0010	SQ		Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,834.30	392.39
			For >25 To 50, Deduct	-62.97	
			For >50 To 75, Deduct	-124.57	
			For >75 To 100, Deduct	-175.68	
			For >100 To 200, Deduct	-216.29	
			For >200, Deduct	-246.40	
			For 20 Year Warranty, Add	73.47	
07 32 13 00-0011	SQ		Spanish Tile Roofing, Red, 171 Piece Per SQ	1,290.87	293.80
			For >25 To 50, Deduct	-42.19	
			For >50 To 75, Deduct	-85.01	
			For >75 To 100, Deduct	-120.80	
			For >100 To 200, Deduct	-149.56	
			For >200, Deduct	-171.28	
			For 20 Year Warranty, Add	49.22	
07 32 13 00-0012	SQ		Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,621.82	293.80
			For >25 To 50, Deduct	-62.05	
			For >50 To 75, Deduct	-118.11	
			For >75 To 100, Deduct	-163.82	
			For >100 To 200, Deduct	-199.20	
			For >200, Deduct	-224.23	
			For 20 Year Warranty, Add	72.39	
07 32 13 00-0013	SQ		Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,906.59	293.80
			For >25 To 50, Deduct	-79.14	
			For >50 To 75, Deduct	-146.58	
			For >75 To 100, Deduct	-200.84	
			For >100 To 200, Deduct	-241.91	
			For >200, Deduct	-269.79	
			For 20 Year Warranty, Add	92.33	
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,355.44	460.54
			For >25 To 50, Deduct	-86.06	
			For >50 To 75, Deduct	-166.46	
			For >75 To 100, Deduct	-232.52	
			For >100 To 200, Deduct	-284.24	
			For >200, Deduct	-321.61	
			For 20 Year Warranty, Add	100.41	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	1,106.54	320.92
			For >25 To 50, Deduct	-27.88	
			For >50 To 75, Deduct	-62.51	
			For >75 To 100, Deduct	-92.50	
			For >100 To 200, Deduct	-117.84	
			For >200, Deduct	-138.53	
			For 20 Year Warranty, Add	32.52	



Thermal And Moisture Protection			07
Steep Slope Roofing			07 30
Roof Tiles			07 32

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ	1,489.59	460.54
			For >25 To 50, Deduct	-34.11	
			For >50 To 75, Deduct	-79.88	
			For >75 To 100, Deduct	-119.96	
			For >100 To 200, Deduct	-154.36	
			For >200, Deduct	-183.07	
			For 20 Year Warranty, Add	39.80	
07 32 16 Concrete Roof Tiles (07 32)					
07 32 16 00-0001			Corrugated Tiles And Shakes Nailed To Wood (07 32 16)		
			Note: Includes 30 Lb. felt underlayment.		
07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated.....	1,225.12	486.48
			For >50 To 75, Deduct	-10.08	
			For >75 To 100, Deduct	-41.97	
			For >100 To 200, Deduct	-76.38	
			For >200, Deduct	-108.27	
			For Steep Roof, Over 7 To 12, Add	311.39	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,467.81	486.48
			For >50 To 75, Deduct	-19.79	
			For >75 To 100, Deduct	-58.96	
			For >100 To 200, Deduct	-103.07	
			For >200, Deduct	-142.24	
			For Steep Roof, Over 7 To 12, Add	311.39	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,273.66	486.48
			For >50 To 75, Deduct	-12.02	
			For >75 To 100, Deduct	-45.37	
			For >100 To 200, Deduct	-81.72	
			For >200, Deduct	-115.06	
			For Steep Roof, Over 7 To 12, Add	311.39	
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,183.37	435.26
			For >50 To 75, Deduct	-12.51	
			For >75 To 100, Deduct	-43.66	
			For >100 To 200, Deduct	-77.93	
			For >200, Deduct	-109.08	
			For Steep Roof, Over 7 To 12, Add	278.61	
07 32 16 00-0006 Accessories (07 32 16)					
07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	4.10	
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	2.70	
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.07	
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	4.66	
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	4.85	
07 32 16 00-0012 Concrete Tiles Accessories (Boral) (07 32 16)					
07 32 16 00-0013	EA		Saxony Galvanized Clip For Concrete Roof Tile.....	0.23	
07 32 16 00-0014	EA		1" x 3" x 8" Elevated Battens For Concrete Roof Tile	4.80	
07 32 16 00-0015 Concrete Roof Tiles (Boral) (07 32 16)					
07 32 16 00-0016	SQ		13" x 17" Concrete Roof Tile, 85/SQ, 930 Lb./SQ, Saxony® 900 Slate, California Mission Blend Color	1,162.74	486.48
			For >50 To 75, Deduct	-7.59	
			For >75 To 100, Deduct	-37.60	
			For >100 To 200, Deduct	-69.52	
			For >200, Deduct	-99.53	
			For Steep Roof, Over 7 To 12, Add	311.39	
07 34 Roofing Underlayment (07 30)					
07 34 00 00-0001			Mechanically Fastened, Roofing Underlayment (07 34)		
			Note: Standard slope.		
07 34 00 00-0002	SQ		15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	44.60	9.78
			For Steep Roof, Over 7 To 12, Add	6.27	
			For >50 To 75, Deduct	-1.00	
			For >75 To 100, Deduct	-2.24	
			For >100 To 200, Deduct	-3.73	
			For >200, Deduct	-5.46	
07 34 00 00-0003	SQ		30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	68.73	13.46
			For Steep Roof, Over 7 To 12, Add	8.61	
			For >50 To 75, Deduct	-1.67	
			For >75 To 100, Deduct	-3.60	
			For >100 To 200, Deduct	-5.95	
			For >200, Deduct	-8.55	
07 34 00 00-0004	SQ		30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	76.61	13.46
			For Steep Roof, Over 7 To 12, Add	8.61	
			For >50 To 75, Deduct	-1.99	
			For >75 To 100, Deduct	-4.15	
			For >100 To 200, Deduct	-6.81	
			For >200, Deduct	-9.65	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	85.44	20.39
			For Steep Roof, Over 7 To 12, Add	13.05	
			For >50 To 75, Deduct	-1.79	
			For >75 To 100, Deduct	-4.15	
			For >100 To 200, Deduct	-6.95	
			For >200, Deduct	-10.33	
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	94.76	20.39
			For Steep Roof, Over 7 To 12, Add	13.05	
			For >50 To 75, Deduct	-2.16	
			For >75 To 100, Deduct	-4.80	
			For >100 To 200, Deduct	-7.98	
			For >200, Deduct	-11.64	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	110.13	20.39
			For Steep Roof, Over 7 To 12, Add	13.05	
			For >50 To 75, Deduct	-2.77	
			For >75 To 100, Deduct	-5.87	
			For >100 To 200, Deduct	-9.67	
			For >200, Deduct	-13.79	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	102.45	20.39
			For Steep Roof, Over 7 To 12, Add	13.05	
			For >50 To 75, Deduct	-2.47	
			For >75 To 100, Deduct	-5.34	
			For >100 To 200, Deduct	-8.82	
			For >200, Deduct	-12.71	
07 34 00 00-0009			Self-Adhering, Roofing Underlayment (07 34)		
			Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	176.99	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-5.10	
			For >75 To 100, Deduct	-10.16	
			For >100 To 200, Deduct	-16.50	
			For >200, Deduct	-22.80	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	266.08	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-8.67	
			For >75 To 100, Deduct	-16.40	
			For >100 To 200, Deduct	-26.30	
			For >200, Deduct	-35.27	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	188.01	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-5.54	
			For >75 To 100, Deduct	-10.94	
			For >100 To 200, Deduct	-17.71	
			For >200, Deduct	-24.34	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	176.99	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-5.10	
			For >75 To 100, Deduct	-10.16	
			For >100 To 200, Deduct	-16.50	
			For >200, Deduct	-22.80	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	253.23	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-8.15	
			For >75 To 100, Deduct	-15.50	
			For >100 To 200, Deduct	-24.89	
			For >200, Deduct	-33.47	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	212.97	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-6.54	
			For >75 To 100, Deduct	-12.68	
			For >100 To 200, Deduct	-20.46	
			For >200, Deduct	-27.84	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	316.71	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-10.69	
			For >75 To 100, Deduct	-19.94	
			For >100 To 200, Deduct	-31.87	
			For >200, Deduct	-42.36	



Thermal And Moisture Protection			07
Steep Slope Roofing			07 30
Roofing Underlayment			07 34

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	362.15	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-12.51	
			For >75 To 100, Deduct	-23.13	
			For >100 To 200, Deduct	-36.87	
			For >200, Deduct	-48.72	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	532.63	24.73
			For Steep Roof, Over 7 To 12, Add	15.82	
			For >50 To 75, Deduct	-19.33	
			For >75 To 100, Deduct	-35.06	
			For >100 To 200, Deduct	-55.62	
			For >200, Deduct	-72.59	

07 40 Roofing and Siding Panels ⁽⁰⁷⁾

07 41 Roof Panels ^(07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels ^(07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing ^(07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing ^(07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels ^(07 41 13 00-0002)

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.67	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.16	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.81	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.45	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.16	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.91	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.81	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories ^(07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	28.56	3.10
		For Steep Roof, Over 7 To 12, Add	4.02	
		For Fluoropolymer (Kynar®) Coating, Add	1.60	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	17.87	2.04
		For Steep Roof, Over 7 To 12, Add	2.68	
		For Fluoropolymer (Kynar®) Coating, Add	0.95	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	34.85	3.10
		For Steep Roof, Over 7 To 12, Add	4.02	
		For Fluoropolymer (Kynar®) Coating, Add	2.23	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.14	3.10
		For Steep Roof, Over 7 To 12, Add	4.02	
		For Fluoropolymer (Kynar®) Coating, Add	1.66	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing ^(07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels ^(07 41 13 00-0016)

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.53	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.29	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	12.13	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	14.57	2.99
		For Fluoropolymer (Kynar®) Coating, Add	1.61	
		For Steep Roof, Over 7 To 12, Add	1.53	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022	SF		0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	17.02 1.61 1.53	2.99
07 41 13 00-0023	SF		0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	20.07 1.61 1.53	2.99
07 41 13 00-0024			Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	32.42 4.02 1.99	3.10
07 41 13 00-0026	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	20.09 2.68 1.17	2.16
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	40.28 4.02 2.77	3.10
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	33.14 4.02 2.06	3.10
07 41 13 00-0029			Standing Seam Roofs (07 41 13)		
			Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
			Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.63 1.90 1.85 0.78 3.41 2.04 0.34	3.17
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.32 1.90 1.89 0.79 3.58 2.15 0.36	3.17
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.03 1.90 1.82 0.77 3.26 1.95 0.33	3.17
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.27 1.90 1.84 0.77 3.32 1.99 0.33	3.17
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.54 1.90 1.85 0.78 3.39 2.03 0.34	3.17
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.54 1.90 1.90 0.80 3.64 2.18 0.36	3.17
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.16 3.77 1.61	3.10



Thermal And Moisture Protection			07
Roofing and Siding Panels			07 40
Roof Panels			07 41

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	18.82 2.51 1.05	2.16
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	37.08 3.77 1.75	3.10
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	30.79 3.77 1.62	3.10
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Panels < 16" Wide, Add For Up To 5000, Add For > 5000 To 10000, Add	14.11 1.90 0.79 3.53 1.88 0.79 0.35	3.17
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Panels < 16" Wide, Add For Up To 5000, Add For > 5000 To 10000, Add	14.70 1.90 0.80 3.68 1.91 0.80 0.37	3.17
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Panels < 16" Wide, Add For Up To 5000, Add For > 5000 To 10000, Add	13.78 1.90 0.78 3.45 1.86 0.78 0.34	3.17
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Panels < 16" Wide, Add For Up To 5000, Add For > 5000 To 10000, Add	14.86 1.90 0.80 3.72 1.92 0.80 0.37	3.17
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	34.40 3.77 1.69	3.10
07 41 13 00-0051	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	21.26 2.51 1.10	2.16
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	43.05 3.77 1.87	3.10
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	35.19 3.77 1.71	3.10
07 41 13 00-0054			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Up To 5000, Add For > 5000 To 10000, Add For Panels < 16" Wide, Add	26.29 2.85 1.29 6.57 2.63 0.66 3.07	3.80
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Up To 5000, Add For > 5000 To 10000, Add For Panels < 16" Wide, Add	29.86 2.85 1.36 7.47 2.99 0.75 3.25	3.80
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For Up To 5000, Add For > 5000 To 10000, Add For Panels < 16" Wide, Add	34.09 2.85 1.44 8.52 3.41 0.85 3.46	3.80

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.52	3.80
		For Steep Roof, Over 6 To 12, Add	2.85	
		For 140 MPH Wind Load, Add	1.55	
		For Up To 1,500, Add	9.88	
		For Up To 5000, Add	3.95	
		For > 5000 To 10000, Add	0.99	
		For Panels < 16" Wide, Add	3.74	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	79.40	3.47
		For Steep Roof, Over 6 To 12, Add	4.16	
		For 140 MPH Wind Load, Add	2.70	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.00	2.27
		For Steep Roof, Over 6 To 12, Add	2.76	
		For 140 MPH Wind Load, Add	1.60	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	109.28	3.47
		For Steep Roof, Over 6 To 12, Add	4.13	
		For 140 MPH Wind Load, Add	3.29	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	81.77	3.47
		For Steep Roof, Over 6 To 12, Add	4.16	
		For 140 MPH Wind Load, Add	2.75	
07 41 13 00-0065		Metal Roof Surfacing (07 41 13)		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.85	
		For Steep Roof, Over 7 To 12, Add	0.18	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	1.11	
		Note: 55% solids by volume.		
		For Steep Roof, Over 7 To 12, Add	0.18	
07 41 33		Plastic Roof Panels (07 41)		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.42	2.73
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.02	2.46
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.64	2.73
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.20	2.46
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.69	2.05
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.34	2.05
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.81	2.05
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.53	2.05
07 41 33 00-0012		Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013		Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	8.29	2.19
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	9.56	2.19
07 42		Wall Panels (07 40)		
07 42 13		Metal Wall Panels (07 42)		
07 42 13 19		Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement (07 42 13 19)		
		Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	39.54	4.60
		For Non-Insulated Panels, Deduct	-7.57	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	42.61	5.17
		For Non-Insulated Panels, Deduct	-8.09	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	45.49	5.76
		For Non-Insulated Panels, Deduct	-8.61	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	48.51	5.98
		For Non-Insulated Panels, Deduct	-9.13	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	55.50	6.56
		For Non-Insulated Panels, Deduct	-10.61	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	65.29	7.25
		For Non-Insulated Panels, Deduct	-12.73	
07 42 13 23		Metal Composite Material Wall Panels (07 42 13)		



Thermal And Moisture Protection			07
Roofing and Siding Panels			07 40
Wall Panels			07 42

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23) Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Mett-Span Corporation.		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	24.19 0.24 0.12	2.75
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	27.12 0.24 0.12	3.10
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	29.59 0.24 0.12	3.53
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	32.91 0.24 0.12	4.67
07 42 63			Fabricated Wall Panel Assemblies (07 42)		
07 42 63 00-0001			Insulated Freezer And Chiller Panels (07 42 63) Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002			Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces	23.87	1.88
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	25.30	1.88
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	30.19	1.88
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	32.70	2.01
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.75	2.01
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	21.41	1.55
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.33	1.55
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	28.19	1.66
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	27.32	1.66
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.21	1.66
07 42 63 00-0013			Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.14	1.88
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.08	1.88
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.04	1.88
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	35.07	2.01
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.15	2.01
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.65	1.55
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.60	1.55
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.61	1.66
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.57	1.66
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.58	1.66
07 42 93			Soffit Panels (07 42)		
07 42 93 00-0001			Aluminum Soffit And Fascia (07 42 93) Note: Excludes J-channel.		
07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	4.83 -0.10	1.62
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	6.05 -0.19	1.70
07 42 93 00-0004	LF		1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	6.66 -0.23	1.74
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	8.44 -0.33	1.83
07 42 93 00-0006	LF		2" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	10.40 -0.45	2.00
07 42 93 00-0007	LF		3" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	13.99 -0.68	2.21
07 42 93 00-0008	LF		4" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	17.62 -0.93	2.44
07 42 93 00-0009	LF		5" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit For 0.015" Thick, Deduct	21.29 -1.15	2.68
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia	5.76	1.57
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	6.33	1.62
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	7.50	1.66
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	8.75	1.70

07 46 Siding (07 40)

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16			Aluminum Siding (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001			Aluminum Coil Stock Cladding (07 46 16)		
			Note: Per SF of board, includes overlap page.		
	07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	13.06	4.11
	07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	13.25	4.11
	07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	13.57	4.11
07 46 16 00-0005			Aluminum Siding Panels (07 46 16)		
07 46 16 00-0006			Corrugated Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.78	2.39
	07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	10.22	2.39
	07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	11.62	2.39
	07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	14.34	2.39
07 46 16 00-0011			V- Beam Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	14.23	2.39
	07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	16.06	2.39
	07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	20.39	2.39
07 46 16 00-0015			Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	15.03	2.39
	07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	16.79	2.39
	07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	17.87	2.39
07 46 16 00-0019			Aluminum Siding Accessories (07 46 16)		
	07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	3.71	1.50
	07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	3.71	1.50
	07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.44	1.50
	07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.13	1.50
	07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.13	1.50
07 46 19			Steel Siding (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001			Steel Siding Panels (07 46 19)		
07 46 19 00-0002			Corrugated Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.93	2.39
			For Galvanized Instead Of Painted Steel, Add	1.79	
	07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.02	2.39
			For Galvanized Instead Of Painted Steel, Add	1.56	
	07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	10.79	2.39
			For Galvanized Instead Of Painted Steel, Add	1.50	
	07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.10	2.39
			For Galvanized Instead Of Painted Steel, Add	0.83	
	07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.91	2.39
			For Galvanized Instead Of Painted Steel, Add	0.78	
	07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.78	2.39
			For Galvanized Instead Of Painted Steel, Add	0.75	
07 46 19 00-0009			Box Ribbed Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.24	2.39
			For Galvanized Instead Of Painted Steel, Add	1.62	
	07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.83	2.39
			For Galvanized Instead Of Painted Steel, Add	1.51	
	07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.55	2.39
			For Galvanized Instead Of Painted Steel, Add	1.44	
	07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.10	2.39
			For Galvanized Instead Of Painted Steel, Add	1.33	
	07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.12	2.39
			For Galvanized Instead Of Painted Steel, Add	1.09	
07 46 19 00-0015			Clapboard Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
	07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.78	1.20
07 46 23			Wood Siding (07 46)		



Thermal And Moisture Protection			07
Roofing and Siding Panels			07 40
Siding			07 46

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001	Wood Lap Siding (07 46 23)				
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.44	1.67	
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.02	1.79	
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.64	1.90	
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.76	1.67	
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.31	1.67	
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.49	1.67	
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.96	1.67	
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding.....	6.30	1.67	
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.43	1.79	
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.43	1.79	

07 46 23 00-0012	Tongue And Groove Siding (07 46 23)				
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.43	1.67	
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.92	1.67	
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.55	1.67	
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.21	1.67	

07 46 29 Plywood Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001	T-111 Siding (07 46 29)				
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	2.85	0.81	
		For Pressure Treated, Add	0.18		

07 46 33 Plastic Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001	Vinyl Siding (07 46 33)				
	Note: Includes standard manufacturer's colors.				
07 46 33 00-0002	Vinyl Siding Panels (07 46 33 00-0001)				
	Note: Excludes J-channels, starter strips and trim.				
07 46 33 00-0003	Horizontal Vinyl Siding Panels (07 46 33 00-0002)				
	Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.				
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.65	1.97	
		For 0.040" Thick, Deduct	-0.25		
		For 0.042" Thick, Deduct	-0.09		
		For 0.046" Thick, Add	0.60		
		For Manufacturer's Custom Colors, Add	0.09		
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.42	1.86	
		For 0.040" Thick, Deduct	-0.25		
		For 0.042" Thick, Deduct	-0.09		
		For 0.046" Thick, Add	0.60		
		For Manufacturer's Custom Colors, Add	0.09		
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.25	1.77	
		For 0.040" Thick, Deduct	-0.25		
		For 0.042" Thick, Deduct	-0.09		
		For 0.046" Thick, Add	0.60		
		For Manufacturer's Custom Colors, Add	0.09		
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.07	1.68	
		For 0.040" Thick, Deduct	-0.25		
		For 0.042" Thick, Deduct	-0.09		
		For 0.046" Thick, Add	0.60		
		For Manufacturer's Custom Colors, Add	0.09		
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.84	1.56	
		For 0.040" Thick, Deduct	-0.25		
		For 0.042" Thick, Deduct	-0.09		
		For 0.046" Thick, Add	0.60		
		For Manufacturer's Custom Colors, Add	0.09		

07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	6.97	1.97	
		For Manufacturer's Custom Colors, Add	0.15		

07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)

07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	7.36	1.50	
		For Manufacturer's Custom Colors, Add	0.22		
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	13.99	1.50	
		For Manufacturer's Custom Colors, Add	0.55		
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.69	1.50	
		For Manufacturer's Custom Colors, Add	0.13		
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	7.09	1.50	
		For Manufacturer's Custom Colors, Add	0.20		
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.11	1.50	
		For Manufacturer's Custom Colors, Add	0.07		

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	3.79	1.50
		For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	3.72	1.50
		For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	3.93	1.50
		For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.73	1.50
		For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.21	1.50
		For Manufacturer's Custom Colors, Add	0.11	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.75	1.50
		For Manufacturer's Custom Colors, Add	0.10	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	3.97	1.50
		For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.29	2.08
		For Manufacturer's Custom Colors, Add	0.26	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.76	2.08
		For Manufacturer's Custom Colors, Add	0.28	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.79	2.08
		For Manufacturer's Custom Colors, Add	0.33	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.43	1.50
		For Manufacturer's Custom Colors, Add	0.12	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.89	1.50
		For Manufacturer's Custom Colors, Add	0.19	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.83	1.50
		For Manufacturer's Custom Colors, Add	0.14	
07 46 33 00-0030		Vinyl Soffit And Fascia (07 46 33 00-0001)		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.79	1.62
		For 0.038" Thick, Deduct	-0.70	
		For 0.040" Thick, Deduct	-0.60	
		For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.00	1.70
		For 0.038" Thick, Deduct	-1.18	
		For 0.040" Thick, Deduct	-1.00	
		For Manufacturer's Custom Colors, Add	0.13	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.60	1.74
		For 0.038" Thick, Deduct	-1.42	
		For 0.040" Thick, Deduct	-1.19	
		For Manufacturer's Custom Colors, Add	0.16	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.34	1.83
		For 0.038" Thick, Deduct	-2.14	
		For 0.040" Thick, Deduct	-1.79	
		For Manufacturer's Custom Colors, Add	0.23	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	10.28	2.00
		For 0.038" Thick, Deduct	-2.86	
		For 0.040" Thick, Deduct	-2.41	
		For Manufacturer's Custom Colors, Add	0.31	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	13.80	2.21
		For 0.038" Thick, Deduct	-4.31	
		For 0.040" Thick, Deduct	-3.60	
		For Manufacturer's Custom Colors, Add	0.47	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	17.37	2.44
		For 0.038" Thick, Deduct	-5.75	
		For 0.040" Thick, Deduct	-4.82	
		For Manufacturer's Custom Colors, Add	0.63	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	20.98	2.68
		For 0.038" Thick, Deduct	-7.17	
		For 0.040" Thick, Deduct	-6.01	
		For Manufacturer's Custom Colors, Add	0.78	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.03	1.57
		For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.66	1.62
		For Manufacturer's Custom Colors, Add	0.12	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.57	1.66
		For Manufacturer's Custom Colors, Add	0.11	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.45	1.70
		For Manufacturer's Custom Colors, Add	0.15	
07 46 33 00-0043		Fiberglass Siding (07 46 33)		
07 46 33 00-0044		Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	7.55	2.32
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	8.08	2.08
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.05	2.08
07 46 33 00-0048		Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	7.21	2.08
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	8.08	2.08



Thermal And Moisture Protection			07
Roofing and Siding Panels			07 40
Siding			07 46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 46 46 Fiber-Cement Siding (07 46)

Note: Smooth or patterns. Includes sealer and primer.

07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding (07 46 46)

07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.82	2.44
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.48	2.32
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.35	2.26
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.20	2.20
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.93	2.08
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.65	1.97
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding.....	1.49	0.58

07 46 46 00-0009 Fiber Cement Shingle Siding (07 46 46)

07 46 46 00-0010	SF	Fiber Cement Shingle Siding.....	10.26	2.14

07 46 46 00-0011 Fiber Cement Vertical Panel Siding (07 46 46)

07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding.....	5.00	1.74

07 46 46 00-0013 Fiber Cement Trim Boards (07 46 46)**07 46 46 00-0014 7/16" Thick, Fiber Cement Trim Boards** (07 46 46 00-0013)

07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.27	1.16
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.13	1.28
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.95	1.39
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	6.48	1.63

07 46 46 00-0019 3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)

07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.43	1.16
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.37	1.28
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.35	1.39
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.61	1.63

07 46 46 00-0024 1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)

07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board.....	3.62	1.16
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board.....	4.72	1.28
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board.....	5.86	1.39
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board.....	7.79	1.63

07 46 46 00-0029 Fiber Cement Fascia Board (07 46 46)

07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board.....	6.10	2.30
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board.....	7.49	2.56
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board.....	8.24	2.56
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board.....	10.76	3.00

07 46 46 00-0034 Fiber Cement Soffit Boards (07 46 46)

07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit.....	7.56	1.66
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit.....	8.10	1.66

07 46 63 Fabricated Panel Assemblies with Siding (07 46)**07 46 63 00-0001 Metal Liner Panels** (07 46 63)**07 46 63 00-0002 Galvanized Metal Liner Panels** (07 46 63 00-0001)

07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	10.72	1.99
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.80	1.99
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	13.70	1.99
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	13.90	1.99

07 50 Membrane Roofing (07)

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)**07 51 13 Built-Up Asphalt Roofing** (07 51)**07 51 13 00-0001 Built-Up Asphalt Roofing Components** (07 51 13)**07 51 13 00-0002 Built-Up Asphalt Membrane Roofing** (07 51 13 00-0001)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 51 13 00-0003		Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)			
		Note: Includes applying cold adhesive and embedding the membrane.			
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)			
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	130.44		
		For Up To 10, Add	34.64		
		For >10 To 20, Add	19.46		
		For >20 To 40, Add	10.80		
		For >75 To 100, Deduct	-5.40		
		For >100 To 200, Deduct	-11.86		
		For >200, Deduct	-17.26		
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	359.02		
		For Up To 10, Add	80.35		
		For >10 To 20, Add	42.31		
		For >20 To 40, Add	22.23		
		For >75 To 100, Deduct	-11.11		
		For >100 To 200, Deduct	-23.29		
		For >200, Deduct	-34.41		
07 51 13 00-0007		Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)			
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.63		
07 51 13 00-0009		Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)			
		Note: Includes mopping hot asphalt and embedding the membrane.			
07 51 13 00-0010		Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)			
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	96.24		
		For Up To 10, Add	27.92		
		For >10 To 20, Add	16.13		
		For >20 To 40, Add	9.15		
		For >75 To 100, Deduct	-4.57		
		For >100 To 200, Deduct	-10.23		
		For >200, Deduct	-14.80		
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	102.76		
		For Up To 10, Add	29.22		
		For >10 To 20, Add	16.78		
		For >20 To 40, Add	9.47		
		For >75 To 100, Deduct	-4.74		
		For >100 To 200, Deduct	-10.56		
		For >200, Deduct	-15.29		
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	110.17		
		For Up To 10, Add	30.70		
		For >10 To 20, Add	17.52		
		For >20 To 40, Add	9.84		
		For >75 To 100, Deduct	-4.92		
		For >100 To 200, Deduct	-10.93		
		For >200, Deduct	-15.85		
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	192.30		
		For Up To 10, Add	47.13		
		For >10 To 20, Add	25.73		
		For >20 To 40, Add	13.95		
		For >75 To 100, Deduct	-6.98		
		For >100 To 200, Deduct	-15.03		
		For >200, Deduct	-22.01		
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	324.83		
		For Up To 10, Add	73.64		
		For >10 To 20, Add	38.99		
		For >20 To 40, Add	20.58		
		For >75 To 100, Deduct	-10.29		
		For >100 To 200, Deduct	-21.66		
		For >200, Deduct	-31.95		
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	246.54		
		For Up To 10, Add	58.80		
		For >10 To 20, Add	31.78		
		For >20 To 40, Add	17.08		
		For >75 To 100, Deduct	-8.54		
		For >100 To 200, Deduct	-18.26		
		For >200, Deduct	-26.80		
07 51 13 00-0017		Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)			
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.51		
07 51 13 00-0019		Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)			
		Note: Includes fasteners.			
07 51 13 00-0020		Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)			



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Built-Up Bituminous Roofing			07 51

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	100.77	
			For Up To 10, Add	24.42	
			For >10 To 20, Add	13.28	
			For >20 To 40, Add	7.17	
			For >75 To 100, Deduct	-3.59	
			For >100 To 200, Deduct	-7.71	
			For >200, Deduct	-11.29	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	190.31	
			For Up To 10, Add	42.33	
			For >10 To 20, Add	22.23	
			For >20 To 40, Add	11.65	
			For >75 To 100, Deduct	-5.83	
			For >100 To 200, Deduct	-12.18	
			For >200, Deduct	-18.01	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	322.84	
			For Up To 10, Add	68.84	
			For >10 To 20, Add	35.49	
			For >20 To 40, Add	18.28	
			For >75 To 100, Deduct	-9.14	
			For >100 To 200, Deduct	-18.81	
			For >200, Deduct	-27.95	
07 51 13 00-0024			Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.66	
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	126.37	
			For Up To 10, Add	33.82	
			For >10 To 20, Add	19.05	
			For >20 To 40, Add	10.59	
			For >75 To 100, Deduct	-5.30	
			For >100 To 200, Deduct	-11.66	
			For >200, Deduct	-16.96	
07 51 13 00-0029	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	143.17	
			For Up To 10, Add	37.18	
			For >10 To 20, Add	20.73	
			For >20 To 40, Add	11.43	
			For >75 To 100, Deduct	-5.72	
			For >100 To 200, Deduct	-12.50	
			For >200, Deduct	-18.22	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	92.17	
			For Up To 10, Add	27.10	
			For >10 To 20, Add	15.72	
			For >20 To 40, Add	8.94	
			For >75 To 100, Deduct	-4.47	
			For >100 To 200, Deduct	-10.03	
			For >200, Deduct	-14.50	
07 51 13 00-0032	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	108.97	
			For Up To 10, Add	30.46	
			For >10 To 20, Add	17.40	
			For >20 To 40, Add	9.78	
			For >75 To 100, Deduct	-4.89	
			For >100 To 200, Deduct	-10.87	
			For >200, Deduct	-15.76	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	46.37	
			For Up To 10, Add	13.54	
			For >10 To 20, Add	7.84	
			For >20 To 40, Add	4.45	
			For >75 To 100, Deduct	-2.23	
			For >100 To 200, Deduct	-4.99	
			For >200, Deduct	-7.21	
07 51 13 00-0035	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	63.17	
			For Up To 10, Add	16.90	
			For >10 To 20, Add	9.52	
			For >20 To 40, Add	5.29	
			For >75 To 100, Deduct	-2.65	
			For >100 To 200, Deduct	-5.83	
			For >200, Deduct	-8.47	
07 51 13 00-0036			Surfacing (07 51 13 00-0001)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0037	SQ		400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	204.02	
			For Up To 10, Add	62.18	
			For >10 To 20, Add	36.43	
			For >20 To 40, Add	20.89	
			For >75 To 100, Deduct	-10.44	
			For >100 To 200, Deduct	-23.56	
			For >200, Deduct	-34.00	
07 51 13 00-0038	SQ		400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	302.93	
			For Up To 10, Add	81.96	
			For >10 To 20, Add	46.32	
			For >20 To 40, Add	25.83	
			For >75 To 100, Deduct	-12.92	
			For >100 To 200, Deduct	-28.51	
			For >200, Deduct	-41.42	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness	209.13	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	56.94	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			For Up To 10, Add	14.21	
			For >10 To 20, Add	7.81	
			For >20 To 40, Add	4.26	
			For >75 To 100, Deduct	-2.13	
			For >100 To 200, Deduct	-4.61	
			For >200, Deduct	-6.74	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	147.26	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			For Up To 10, Add	34.58	
			For >10 To 20, Add	18.57	
			For >20 To 40, Add	9.93	
			For >75 To 100, Deduct	-4.96	
			For >100 To 200, Deduct	-10.57	
			For >200, Deduct	-15.53	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	130.91	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			For Up To 10, Add	31.31	
			For >10 To 20, Add	16.94	
			For >20 To 40, Add	9.11	
			For >75 To 100, Deduct	-4.56	
			For >100 To 200, Deduct	-9.75	
			For >200, Deduct	-14.31	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	175.54	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			For Up To 10, Add	40.24	
			For >10 To 20, Add	21.40	
			For >20 To 40, Add	11.34	
			For >75 To 100, Deduct	-5.67	
			For >100 To 200, Deduct	-11.98	
			For >200, Deduct	-17.65	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	177.00	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	40.53	
			For >10 To 20, Add	21.55	
			For >20 To 40, Add	11.42	
			For >75 To 100, Deduct	-5.71	
			For >100 To 200, Deduct	-12.06	
			For >200, Deduct	-17.76	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	52.51	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	183.01	
			Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	41.73	
			For >10 To 20, Add	22.15	
			For >20 To 40, Add	11.72	
			For >75 To 100, Deduct	-5.86	
			For >100 To 200, Deduct	-12.36	
			For >200, Deduct	-18.21	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	54.49	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast	2.92	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	4.91	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	45.15	
07 51 13 00-0049			Walkway Pads (07 51 13 00-0001)		
			Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	36.91	
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	43.96	



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Built-Up Bituminous Roofing			07 51

07

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0052	Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0053	LF 2" x 2" Perlite Cant Strip	5.15	
07 51 13 00-0054	LF 3" x 3" Perlite Cant Strip	5.31	
07 51 13 00-0055	LF 4" x 4" Perlite Cant Strip	6.08	
07 51 13 00-0056	LF 3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.85	
07 51 13 00-0057	LF 4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.99	
07 51 13 00-0058	LF 1/2" x 6" Perlite Tapered Edge Strip	5.76	
07 51 13 00-0059	LF 1/2" x 12" Perlite Tapered Edge Strip	6.65	
07 51 13 00-0060	LF 1" x 12" Perlite Tapered Edge Strip	6.88	
07 51 13 00-0061	LF 1" x 24" Perlite Tapered Edge Strip	7.81	
07 51 13 00-0062	LF 1-1/2" x 12" Perlite Tapered Edge Strip	7.72	
07 51 13 00-0063	LF 1-1/2" x 18" Perlite Tapered Edge Strip	9.38	
07 51 13 00-0064	LF 1-1/2" x 24" Perlite Tapered Edge Strip	10.59	
07 51 13 00-0065	Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0066	SQ Asphalt Primer For Roofing Systems..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	42.05	
07 51 13 00-0067	Demolish Built-Up Roofing (07 51 13 00-0001)		
07 51 13 00-0068	SQ Demolish Gravel/Slag Surfaced, Built Up Roofing System	448.88	
	For Up To 10, Add	111.48	
	For >10 To 25, Add	66.89	
07 51 13 00-0069	SQ Demolish Cap Sheet Surfaced, Built Up Roofing System..... Note: Includes protective surfacing.	346.28	
	For Up To 10, Add	86.00	
	For >10 To 25, Add	51.60	
07 51 13 00-0070	Roofing System Warranty (07 51 13 00-0001)		
07 51 13 00-0071	EA Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	670.32	
07 51 13 00-0072	SQ >50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	9.58	
07 51 13 00-0073	EA Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	766.08	
07 51 13 00-0074	SQ >50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	15.32	
07 51 13 00-0075	EA Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,053.36	
07 51 13 00-0076	SQ >50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	21.07	
07 51 13 00-0077	Built-Up Roofing Components (Tremco) (07 51 13)		
	Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078	Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0079	SQ BURmastic Composite Ply, Cold Applied BUR Component	154.68	
	Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ BURmastic Premium Composite Ply, Cold Applied BUR Component	187.45	
	Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component	215.60	
	Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ 28 Lb. BURmastic Glass Ply, Cold Applied BUR Component	49.18	
	Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083	SQ 33 Lb. BURmastic Glass Ply, Cold Applied BUR Component	71.14	
	Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0084	SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....	294.37	
	Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0085	SQ POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component	272.33	
	Note: A smooth surfaced, non-woven fiberglass/scrims fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0086	Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)		
07 51 13 00-0087	SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component	167.19	
	Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088	SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	441.43	
	Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089	SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component	729.63	
	Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	195.49	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	299.35	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	724.24	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	527.52	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	522.17	
07 51 13 00-0095		Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing..... Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	303.32	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing..... Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	601.59	
07 51 13 00-0098		Flashings (07 51 13 00-0077)		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing..... Note: 45 mils.	19.00	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing..... Note: 45 mils.	30.85	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing..... Note: 45 mils.	40.98	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing..... Note: 45 mils.	60.09	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing..... Note: 45 mils.	98.99	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane..... Note: Polyester reinforced flashing membrane. 45 mils.	15.10	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane..... Note: Polyester reinforced flashing membrane. 45 mils.	24.61	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane..... Note: Polyester reinforced flashing membrane. 45 mils.	32.79	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane..... Note: Polyester reinforced flashing membrane. 45 mils.	47.91	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane..... Note: Polyester reinforced flashing membrane. 45 mils.	80.65	
07 51 13 00-0109	LF	4" BURmesh Fabric..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.33	
07 51 13 00-0110	LF	6" BURmesh Fabric..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.52	
07 51 13 00-0111	LF	12" BURmesh Fabric..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.34	
07 51 13 00-0112	LF	36" BURmesh Fabric..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	16.40	
07 51 13 00-0113		Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive.....	189.46	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive.....	312.25	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive.....	240.96	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive.....	189.46	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive.....	96.65	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive.....	214.02	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive.....	211.22	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications.....	585.78	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)..... Note: For insulation only.	323.64	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive.....	364.49	
07 51 13 00-0124		Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	69.18	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive.....	127.11	
07 51 13 00-0127		Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive..... Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	23.53	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic..... Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	30.90	
07 51 13 00-0130	LF	ELS Flashing Mastic..... Note: Used for repairing flashings and asphalt built-up roof defects.	19.10	



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Built-Up Bituminous Roofing			07 51

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0131	LF		TremSEAL D General Purpose Sealant	7.30	
07 51 13 00-0132	LF		TremSEAL HP High Performance Sealant	7.49	
07 51 13 00-0133	LF		TremSEAL S Silicone Sealant	7.34	
07 51 13 00-0134			Surfacing (07 51 13 00-0077)		
07 51 13 00-0135	SQ		TremLastic SP Non-Fibred Elastomeric Emulsion Cold Applied Coating	281.77	
07 51 13 00-0136	SQ		ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	630.74	
07 51 13 00-0137	SQ		Polar Coat.....	162.92	
07 51 13 00-0138	SQ		Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	199.31	
07 51 13 00-0139	SQ		Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	576.84	
07 51 13 00-0140	SQ		Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	262.96	
07 51 13 00-0141	SQ		100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	74.29	
07 51 13 00-0142			Walkway Protection Pads (07 51 13 00-0077)		
07 51 13 00-0143	LF		36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	36.98	
07 51 13 00-0144			Primer (07 51 13 00-0077)		
07 51 13 00-0145	SQ		TREMPprime WB Primer	42.58	
			Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146	SQ		Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	93.25	
07 51 13 00-0147			Liquid Applied Roofing (07 51 13 00-0077)		
07 51 13 00-0148	SQ		Horizontal Waterproofing (Trem-LAR LRM H)	479.85	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149	SQ		Vertical Waterproofing (Trem-LAR LRM V)	489.05	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces	627.13	
			Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	815.14	
			Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152	SQ		AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	476.40	
			Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153	SQ		AlphaGuard Glass Mat	91.57	
			Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154	SQ		AlphaGuard C-Prime Primer	93.53	
			Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155	SQ		AlphaGuard M-Prime Primer.....	100.43	
			Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156	SQ		Geogard Primer	74.37	
			Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157	SQ		AlphaGuard Primer WB	67.02	
			Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0158			Atactic-Polypropylene (APP) Products (07 51 13 00-0077)		
07 51 13 00-0159	SQ		POWERply Atactic-Polypropylene (APP) Base Sheet	247.70	
07 51 13 00-0160	SQ		POWERply Atactic-Polypropylene (APP) FR.....	468.15	
07 51 13 00-0161	SQ		POWERply Atactic-Polypropylene (APP) Smooth	375.19	
07 51 13 00-0162			Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0077)		
07 51 13 00-0163	SQ		45 Mil Tri-Polymer Alloy (TPA) White Membrane	658.76	
07 51 13 00-0164	SQ		60 Mil Tri-Polymer Alloy (TPA) White Membrane	901.34	
07 51 13 00-0165	SQ		80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,023.11	
07 51 13 00-0166			Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00- 0077)		
07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	756.32	
07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	926.44	
07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	1,132.16	
07 51 13 00-0170			Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0077)		
07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	135.49	
07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	153.86	
07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	22.50	
07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....	78.48	
07 51 13 00-0175			Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0077)		
07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	356.01	
07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	360.06	
07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	639.04	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0179		Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0077)		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	412.59	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	463.96	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	672.96	
07 51 13 00-0183		Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) (07 51 13 00-0077)		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,100.34	
07 51 13 00-0185		Single Ply Adhesives (07 51 13 00-0077)		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	179.75	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	202.76	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	176.42	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco).....	118.39	
07 51 13 00-0190		Warranty (Tremco) (07 51 13 00-0077)		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty.....	0.20	
07 51 13 00-0195		Built-Up Roofing Components (Garland) (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		Modified Cap Membranes (07 51 13 00-0196) See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0196) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	766.98	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	549.04	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	679.50	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	706.05	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	982.57	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,104.42	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	463.81	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil.....	585.76	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil.....	358.67	
07 51 13 00-0207		Modified Cap Membranes, Self-Adhering (07 51 13 00-0196) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	694.33	
		Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0209		Modified Cap Membranes, Torch-Applied (07 51 13 00-0196) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	854.47	
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	929.46	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	979.45	
07 51 13 00-0213	SQ	Stressply® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	895.09	
07 51 13 00-0214	SQ	Stressply® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil.....	948.21	
07 51 13 00-0215	SQ	Stressply® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	995.08	
07 51 13 00-0216		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Built-Up Bituminous Roofing			07 51

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0217	SQ		Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	786.63	
07 51 13 00-0218	SQ		Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,245.02	
07 51 13 00-0219	SQ		Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	1,013.82	
07 51 13 00-0220			Base Ply (07 51 13 00-0195) Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ		Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	701.36	
07 51 13 00-0222	SQ		Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	441.25	
07 51 13 00-0223	SQ		HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	101.39	
07 51 13 00-0224	SQ		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap. HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	67.33	
07 51 13 00-0225	SQ		Note: Inner ply felts for hot applied built up and modified BUR systems. HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	81.84	
07 51 13 00-0226	SQ		HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	88.87	
07 51 13 00-0227	SQ		HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	137.52	
			Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ		Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	446.07	
07 51 13 00-0229	SQ		HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	385.80	
			Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ		SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	359.34	
07 51 13 00-0231	SQ		StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	391.17	
07 51 13 00-0232	SQ		StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	324.78	
07 51 13 00-0233	LF		Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	6.17	
07 51 13 00-0234	LF		Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	16.72	
07 51 13 00-0235	SQ		Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	78.33	
07 51 13 00-0236	LF		Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	8.03	
07 51 13 00-0237	LF		Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.86	
07 51 13 00-0238	LF		Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.77	
07 51 13 00-0239	SQ		HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	170.44	
07 51 13 00-0240			Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)		
07 51 13 00-0241	SQ		Water Based Roof Primer, GarlaPrime VOC Primer	50.34	
07 51 13 00-0242	SQ		Black-Knight® Primer	46.67	
07 51 13 00-0243	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	188.21	
07 51 13 00-0244	SQ		4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	200.04	
07 51 13 00-0245	SQ		6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	318.48	
07 51 13 00-0246	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	509.52	
07 51 13 00-0247	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	525.30	
07 51 13 00-0248	SQ		3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	246.06	
07 51 13 00-0249	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	406.60	
07 51 13 00-0250	SQ		3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	624.63	
07 51 13 00-0251	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,037.74	
07 51 13 00-0252	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	435.25	
07 51 13 00-0253	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	451.03	
07 51 13 00-0254	SQ		Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	952.35	
07 51 13 00-0255	SQ		Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	413.40	
07 51 13 00-0256	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	203.05	
07 51 13 00-0257	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	218.83	
07 51 13 00-0258	SQ		Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	190.49	
07 51 13 00-0259	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	178.08	
07 51 13 00-0260	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	23.32	
			Note: Adheres all insulation layers for cold systems.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	213.39	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	206.89	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	27.11	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	275.90	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,592.64	
07 51 13 00-0266	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	353.38	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	430.55	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply.....	161.09	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	544.14	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	159.90	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.				

07 52 Modified Bituminous Membrane Roofing ^(07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** ^(07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing ^(07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** ^(07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets ^(07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	240.01	
		For Up To 10, Add	56.55	
		For >10 To 20, Add	30.41	
		For >20 To 40, Add	16.27	
		For >75 To 100, Deduct	-8.14	
		For >100 To 200, Deduct	-17.34	
		For >200, Deduct	-25.48	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	292.20	
		For Up To 10, Add	66.99	
		For >10 To 20, Add	35.63	
		For >20 To 40, Add	18.88	
		For >75 To 100, Deduct	-9.44	
		For >100 To 200, Deduct	-19.95	
		For >200, Deduct	-29.39	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	458.85	
		For Up To 10, Add	100.32	
		For >10 To 20, Add	52.30	
		For >20 To 40, Add	27.22	
		For >75 To 100, Deduct	-13.61	
		For >100 To 200, Deduct	-28.29	
		For >200, Deduct	-41.89	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	462.92	
		For Up To 10, Add	101.95	
		For >10 To 20, Add	53.31	
		For >20 To 40, Add	27.83	
		For >75 To 100, Deduct	-13.91	
		For >100 To 200, Deduct	-29.00	
		For >200, Deduct	-42.91	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	331.30	
		For Up To 10, Add	75.62	
		For >10 To 20, Add	40.15	
		For >20 To 40, Add	21.25	
		For >75 To 100, Deduct	-10.62	
		For >100 To 200, Deduct	-22.42	
		For >200, Deduct	-33.04	
		For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	384.09	
		For Up To 10, Add	86.18	
		For >10 To 20, Add	45.43	
		For >20 To 40, Add	23.89	
		For >75 To 100, Deduct	-11.94	
		For >100 To 200, Deduct	-25.06	
		For >200, Deduct	-37.00	
		For Factory Applied White Reflective Surfacing, Add	111.04	



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Modified Bituminous Membrane Roofing			07 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	527.92	
			For Up To 10, Add	114.95	
			For >10 To 20, Add	59.81	
			For >20 To 40, Add	31.08	
			For >75 To 100, Deduct	-15.54	
			For >100 To 200, Deduct	-32.25	
			For >200, Deduct	-47.79	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 11-0010			Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)		
07 52 13 11-0011	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.72	
07 52 13 11-0012	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	10.27	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 13 13			Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 13-0001			Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002			Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)		
07 52 13 13-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	173.15	
			For Up To 10, Add	43.17	
			For >10 To 20, Add	23.72	
			For >20 To 40, Add	12.93	
			For >75 To 100, Deduct	-6.46	
			For >100 To 200, Deduct	-14.00	
			For >200, Deduct	-20.46	
07 52 13 13-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	225.34	
			For Up To 10, Add	53.61	
			For >10 To 20, Add	28.94	
			For >20 To 40, Add	15.54	
			For >75 To 100, Deduct	-7.77	
			For >100 To 200, Deduct	-16.60	
			For >200, Deduct	-24.37	
07 52 13 13-0005	SQ		150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	271.27	
			For Up To 10, Add	67.08	
			For >10 To 20, Add	36.75	
			For >20 To 40, Add	19.98	
			For >75 To 100, Deduct	-9.99	
			For >100 To 200, Deduct	-21.58	
			For >200, Deduct	-31.57	
07 52 13 13-0006	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	284.64	
			For Up To 10, Add	69.75	
			For >10 To 20, Add	38.08	
			For >20 To 40, Add	20.65	
			For >75 To 100, Deduct	-10.32	
			For >100 To 200, Deduct	-22.25	
			For >200, Deduct	-32.57	
07 52 13 13-0007	SQ		180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	393.05	
			For Up To 10, Add	91.44	
			For >10 To 20, Add	48.92	
			For >20 To 40, Add	26.07	
			For >75 To 100, Deduct	-13.03	
			For >100 To 200, Deduct	-27.67	
			For >200, Deduct	-40.70	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	271.27	
			For Up To 10, Add	67.08	
			For >10 To 20, Add	36.75	
			For >20 To 40, Add	19.98	
			For >75 To 100, Deduct	-9.99	
			For >100 To 200, Deduct	-21.58	
			For >200, Deduct	-31.57	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	287.98	
			For Up To 10, Add	70.42	
			For >10 To 20, Add	38.42	
			For >20 To 40, Add	20.81	
			For >75 To 100, Deduct	-10.41	
			For >100 To 200, Deduct	-22.42	
			For >200, Deduct	-32.82	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	393.05	
			For Up To 10, Add	91.44	
			For >10 To 20, Add	48.92	
			For >20 To 40, Add	26.07	
			For >75 To 100, Deduct	-13.03	
			For >100 To 200, Deduct	-27.67	
			For >200, Deduct	-40.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	281.80	
			For Up To 10, Add	69.19	
			For >10 To 20, Add	37.80	
			For >20 To 40, Add	20.50	
			For >75 To 100, Deduct	-10.25	
			For >100 To 200, Deduct	-22.11	
			For >200, Deduct	-32.36	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	298.00	
			For Up To 10, Add	72.43	
			For >10 To 20, Add	39.42	
			For >20 To 40, Add	21.31	
			For >75 To 100, Deduct	-10.66	
			For >100 To 200, Deduct	-22.92	
			For >200, Deduct	-33.57	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	337.76	
			For Up To 10, Add	80.38	
			For >10 To 20, Add	43.40	
			For >20 To 40, Add	23.30	
			For >75 To 100, Deduct	-11.65	
			For >100 To 200, Deduct	-24.90	
			For >200, Deduct	-36.55	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	342.60	
			For Up To 10, Add	81.35	
			For >10 To 20, Add	43.88	
			For >20 To 40, Add	23.54	
			For >75 To 100, Deduct	-11.77	
			For >100 To 200, Deduct	-25.15	
			For >200, Deduct	-36.92	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	478.42	
			For Up To 10, Add	108.51	
			For >10 To 20, Add	57.46	
			For >20 To 40, Add	30.33	
			For >75 To 100, Deduct	-15.17	
			For >100 To 200, Deduct	-31.94	
			For >200, Deduct	-47.10	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 13 13-0016			Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 13-0001)		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.99	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.16	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.21	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.26	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.70	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	6.06	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 13 14			Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001			Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002			Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	256.02	
			For Up To 10, Add	55.47	
			For >10 To 20, Add	28.80	
			For >20 To 40, Add	14.94	
			For >75 To 100, Deduct	-7.47	
			For >100 To 200, Deduct	-15.47	
			For >200, Deduct	-22.94	
07 52 16			Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)		
			Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11			Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Modified Bituminous Membrane Roofing			07 52

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0001			Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing ^(07 52 16 11) Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002			Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets ^(07 52 16 11-0001)		
07 52 16 11-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	188.81	
			For Up To 10, Add	46.33	
			For >10 To 20, Add	25.30	
			For >20 To 40, Add	13.72	
			For >75 To 100, Deduct	-6.86	
			For >100 To 200, Deduct	-14.79	
			For >200, Deduct	-21.65	
07 52 16 11-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	246.86	
			For Up To 10, Add	57.92	
			For >10 To 20, Add	31.10	
			For >20 To 40, Add	16.62	
			For >75 To 100, Deduct	-8.31	
			For >100 To 200, Deduct	-17.69	
			For >200, Deduct	-25.99	
07 52 16 11-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	254.34	
			For Up To 10, Add	59.42	
			For >10 To 20, Add	31.85	
			For >20 To 40, Add	16.99	
			For >75 To 100, Deduct	-8.50	
			For >100 To 200, Deduct	-18.06	
			For >200, Deduct	-26.56	
07 52 16 11-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	346.77	
			For Up To 10, Add	77.90	
			For >10 To 20, Add	41.09	
			For >20 To 40, Add	21.61	
			For >75 To 100, Deduct	-10.81	
			For >100 To 200, Deduct	-22.68	
			For >200, Deduct	-33.49	
07 52 16 11-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	440.32	
			For Up To 10, Add	96.61	
			For >10 To 20, Add	50.44	
			For >20 To 40, Add	26.29	
			For >75 To 100, Deduct	-13.15	
			For >100 To 200, Deduct	-27.36	
			For >200, Deduct	-40.50	
07 52 16 11-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	366.85	
			For Up To 10, Add	82.73	
			For >10 To 20, Add	43.71	
			For >20 To 40, Add	23.02	
			For >75 To 100, Deduct	-11.51	
			For >100 To 200, Deduct	-24.19	
			For >200, Deduct	-35.71	
07 52 16 11-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	376.90	
			For Up To 10, Add	84.74	
			For >10 To 20, Add	44.71	
			For >20 To 40, Add	23.53	
			For >75 To 100, Deduct	-11.76	
			For >100 To 200, Deduct	-24.70	
			For >200, Deduct	-36.46	
07 52 16 11-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	329.80	
			For Up To 10, Add	75.32	
			For >10 To 20, Add	40.00	
			For >20 To 40, Add	21.17	
			For >75 To 100, Deduct	-10.59	
			For >100 To 200, Deduct	-22.34	
			For >200, Deduct	-32.93	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	334.14	
			For Up To 10, Add	76.19	
			For >10 To 20, Add	40.44	
			For >20 To 40, Add	21.39	
			For >75 To 100, Deduct	-10.69	
			For >100 To 200, Deduct	-22.56	
			For >200, Deduct	-33.25	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	374.23	
			For Up To 10, Add	84.21	
			For >10 To 20, Add	44.44	
			For >20 To 40, Add	23.39	
			For >75 To 100, Deduct	-11.70	
			For >100 To 200, Deduct	-24.56	
			For >200, Deduct	-36.26	
			For Factory Applied White Reflective Surfacing, Add	111.04	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	380.91	
			For Up To 10, Add	85.54	
			For >10 To 20, Add	45.11	
			For >20 To 40, Add	23.73	
			For >75 To 100, Deduct	-11.86	
			For >100 To 200, Deduct	-24.90	
			For >200, Deduct	-36.76	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	439.38	
			For Up To 10, Add	97.24	
			For >10 To 20, Add	50.96	
			For >20 To 40, Add	26.65	
			For >75 To 100, Deduct	-13.33	
			For >100 To 200, Deduct	-27.82	
			For >200, Deduct	-41.15	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	545.89	
			For Up To 10, Add	118.54	
			For >10 To 20, Add	61.61	
			For >20 To 40, Add	31.98	
			For >75 To 100, Deduct	-15.99	
			For >100 To 200, Deduct	-33.15	
			For >200, Deduct	-49.13	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	337.05	
			For Up To 10, Add	76.77	
			For >10 To 20, Add	40.73	
			For >20 To 40, Add	21.53	
			For >75 To 100, Deduct	-10.77	
			For >100 To 200, Deduct	-22.70	
			For >200, Deduct	-33.47	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	347.50	
			For Up To 10, Add	78.86	
			For >10 To 20, Add	41.77	
			For >20 To 40, Add	22.06	
			For >75 To 100, Deduct	-11.03	
			For >100 To 200, Deduct	-23.23	
			For >200, Deduct	-34.25	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	404.30	
			For Up To 10, Add	90.22	
			For >10 To 20, Add	47.45	
			For >20 To 40, Add	24.90	
			For >75 To 100, Deduct	-12.45	
			For >100 To 200, Deduct	-26.07	
			For >200, Deduct	-38.51	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	405.64	
			For Up To 10, Add	90.49	
			For >10 To 20, Add	47.59	
			For >20 To 40, Add	24.96	
			For >75 To 100, Deduct	-12.48	
			For >100 To 200, Deduct	-26.13	
			For >200, Deduct	-38.61	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	431.03	
			For Up To 10, Add	95.57	
			For >10 To 20, Add	50.12	
			For >20 To 40, Add	26.23	
			For >75 To 100, Deduct	-13.12	
			For >100 To 200, Deduct	-27.40	
			For >200, Deduct	-40.52	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 11-0021			Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)		
07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.86	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.39	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.43	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.90	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.48	
			For Factory Applied White Reflective Surfacing, Add	1.11	



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Modified Bituminous Membrane Roofing			07 52

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.55	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.46	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.56	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.14	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.40	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.48	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	15.99	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 12)

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)

07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	154.71	
			For Up To 10, Add	39.61	
			For >10 To 20, Add	21.97	
			For >20 To 40, Add	12.07	
			For >75 To 100, Deduct	-6.04	
			For >100 To 200, Deduct	-13.15	
			For >200, Deduct	-19.19	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	212.66	
			For Up To 10, Add	51.20	
			For >10 To 20, Add	27.77	
			For >20 To 40, Add	14.97	
			For >75 To 100, Deduct	-7.48	
			For >100 To 200, Deduct	-16.05	
			For >200, Deduct	-23.54	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	220.14	
			For Up To 10, Add	52.70	
			For >10 To 20, Add	28.52	
			For >20 To 40, Add	15.34	
			For >75 To 100, Deduct	-7.67	
			For >100 To 200, Deduct	-16.43	
			For >200, Deduct	-24.10	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	312.58	
			For Up To 10, Add	71.19	
			For >10 To 20, Add	37.76	
			For >20 To 40, Add	19.96	
			For >75 To 100, Deduct	-9.98	
			For >100 To 200, Deduct	-21.05	
			For >200, Deduct	-31.03	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	406.13	
			For Up To 10, Add	89.90	
			For >10 To 20, Add	47.12	
			For >20 To 40, Add	24.64	
			For >75 To 100, Deduct	-12.32	
			For >100 To 200, Deduct	-25.73	
			For >200, Deduct	-38.05	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	332.71	
			For Up To 10, Add	76.04	
			For >10 To 20, Add	40.39	
			For >20 To 40, Add	21.38	
			For >75 To 100, Deduct	-10.69	
			For >100 To 200, Deduct	-22.57	
			For >200, Deduct	-33.26	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	342.77	
			For Up To 10, Add	78.05	
			For >10 To 20, Add	41.40	
			For >20 To 40, Add	21.89	
			For >75 To 100, Deduct	-10.94	
			For >100 To 200, Deduct	-23.07	
			For >200, Deduct	-34.02	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	295.66	
			For Up To 10, Add	68.63	
			For >10 To 20, Add	36.69	
			For >20 To 40, Add	19.53	
			For >75 To 100, Deduct	-9.77	
			For >100 To 200, Deduct	-20.72	
			For >200, Deduct	-30.48	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	300.00	
			For Up To 10, Add	69.50	
			For >10 To 20, Add	37.12	
			For >20 To 40, Add	19.75	
			For >75 To 100, Deduct	-9.87	
			For >100 To 200, Deduct	-20.94	
			For >200, Deduct	-30.81	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	340.09	
			For Up To 10, Add	77.51	
			For >10 To 20, Add	41.13	
			For >20 To 40, Add	21.75	
			For >75 To 100, Deduct	-10.88	
			For >100 To 200, Deduct	-22.94	
			For >200, Deduct	-33.82	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	346.78	
			For Up To 10, Add	78.85	
			For >10 To 20, Add	41.80	
			For >20 To 40, Add	22.09	
			For >75 To 100, Deduct	-11.04	
			For >100 To 200, Deduct	-23.27	
			For >200, Deduct	-34.32	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	405.24	
			For Up To 10, Add	90.54	
			For >10 To 20, Add	47.65	
			For >20 To 40, Add	25.01	
			For >75 To 100, Deduct	-12.51	
			For >100 To 200, Deduct	-26.20	
			For >200, Deduct	-38.70	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	511.76	
			For Up To 10, Add	111.85	
			For >10 To 20, Add	58.30	
			For >20 To 40, Add	30.34	
			For >75 To 100, Deduct	-15.17	
			For >100 To 200, Deduct	-31.52	
			For >200, Deduct	-46.69	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	302.91	
			For Up To 10, Add	70.08	
			For >10 To 20, Add	37.41	
			For >20 To 40, Add	19.89	
			For >75 To 100, Deduct	-9.95	
			For >100 To 200, Deduct	-21.08	
			For >200, Deduct	-31.03	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	313.37	
			For Up To 10, Add	72.17	
			For >10 To 20, Add	38.46	
			For >20 To 40, Add	20.42	
			For >75 To 100, Deduct	-10.21	
			For >100 To 200, Deduct	-21.60	
			For >200, Deduct	-31.81	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	370.16	
			For Up To 10, Add	83.53	
			For >10 To 20, Add	44.14	
			For >20 To 40, Add	23.26	
			For >75 To 100, Deduct	-11.63	
			For >100 To 200, Deduct	-24.44	
			For >200, Deduct	-36.07	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	371.50	
			For Up To 10, Add	83.80	
			For >10 To 20, Add	44.27	
			For >20 To 40, Add	23.32	
			For >75 To 100, Deduct	-11.66	
			For >100 To 200, Deduct	-24.51	
			For >200, Deduct	-36.17	
			For Factory Applied White Reflective Surfacing, Add	111.04	



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Modified Bituminous Membrane Roofing			07 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	396.89	
			For Up To 10, Add	88.87	
			For >10 To 20, Add	46.81	
			For >20 To 40, Add	24.59	
			For >75 To 100, Deduct	-12.30	
			For >100 To 200, Deduct	-25.78	
			For >200, Deduct	-38.08	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 12-0021			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.65	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.18	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.22	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.62	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.69	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.28	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.34	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0029	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.25	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0030	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.36	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.83	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.19	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 12-0033	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.27	
07 52 16 12-0034	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	15.78	
07 52 16 13			Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Roofing (07 52 16)		
07 52 16 13-0001			Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002			Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	318.05	
			For Up To 10, Add	76.44	
			For >10 To 20, Add	41.42	
			For >20 To 40, Add	22.32	
			For >75 To 100, Deduct	-11.16	
			For >100 To 200, Deduct	-23.92	
			For >200, Deduct	-35.08	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	285.64	
			For Up To 10, Add	69.95	
			For >10 To 20, Add	38.18	
			For >20 To 40, Add	20.70	
			For >75 To 100, Deduct	-10.35	
			For >100 To 200, Deduct	-22.30	
			For >200, Deduct	-32.65	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0005	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	323.73	
			For Up To 10, Add	77.57	
			For >10 To 20, Add	41.99	
			For >20 To 40, Add	22.60	
			For >75 To 100, Deduct	-11.30	
			For >100 To 200, Deduct	-24.20	
			For >200, Deduct	-35.50	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	496.39	
			For Up To 10, Add	112.10	
			For >10 To 20, Add	59.26	
			For >20 To 40, Add	31.23	
			For >75 To 100, Deduct	-15.62	
			For >100 To 200, Deduct	-32.84	
			For >200, Deduct	-48.45	
			For Factory Applied White Reflective Surfacing, Add	111.04	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	296.53	
			For Up To 10, Add	72.13	
			For >10 To 20, Add	39.27	
			For >20 To 40, Add	21.24	
			For >75 To 100, Deduct	-10.62	
			For >100 To 200, Deduct	-22.84	
			For >200, Deduct	-33.46	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	341.44	
			For Up To 10, Add	81.11	
			For >10 To 20, Add	43.76	
			For >20 To 40, Add	23.49	
			For >75 To 100, Deduct	-11.74	
			For >100 To 200, Deduct	-25.09	
			For >200, Deduct	-36.83	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	355.71	
			For Up To 10, Add	84.15	
			For >10 To 20, Add	45.33	
			For >20 To 40, Add	24.29	
			For >75 To 100, Deduct	-12.14	
			For >100 To 200, Deduct	-25.92	
			For >200, Deduct	-38.06	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	460.52	
			For Up To 10, Add	105.11	
			For >10 To 20, Add	55.81	
			For >20 To 40, Add	29.53	
			For >75 To 100, Deduct	-14.77	
			For >100 To 200, Deduct	-31.16	
			For >200, Deduct	-45.92	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)					
07 52 16 13-0012	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.55	
07 52 16 13-0013	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.53	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 13-0014	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.24	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.73	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.83	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.88	
			For Factory Applied White Reflective Surfacing, Add	1.11	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.11	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	14.68	
07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)					
07 52 16 14-0001			Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 14)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	198.44	
			For Up To 10, Add	43.96	
			For >10 To 20, Add	23.05	
			For >20 To 40, Add	12.06	
			For >75 To 100, Deduct	-6.03	
			For >100 To 200, Deduct	-12.59	
			For >200, Deduct	-18.62	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	152.72	
			For Up To 10, Add	34.81	
			For >10 To 20, Add	18.47	
			For >20 To 40, Add	9.77	
			For >75 To 100, Deduct	-4.89	
			For >100 To 200, Deduct	-10.30	
			For >200, Deduct	-15.19	



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Modified Bituminous Membrane Roofing			07 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	197.73	
			For Up To 10, Add	43.82	
			For >10 To 20, Add	22.98	
			For >20 To 40, Add	12.02	
			For >75 To 100, Deduct	-6.01	
			For >100 To 200, Deduct	-12.56	
			For >200, Deduct	-18.57	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	247.44	
			For Up To 10, Add	53.76	
			For >10 To 20, Add	27.95	
			For >20 To 40, Add	14.51	
			For >75 To 100, Deduct	-7.25	
			For >100 To 200, Deduct	-15.04	
			For >200, Deduct	-22.29	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	310.59	
			For Up To 10, Add	66.39	
			For >10 To 20, Add	34.26	
			For >20 To 40, Add	17.66	
			For >75 To 100, Deduct	-8.83	
			For >100 To 200, Deduct	-18.20	
			For >200, Deduct	-27.03	
07 52 16 14-0008			Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.91	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	4.00	
07 52 16 15			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Roofing (07 52 16)		
07 52 16 15-0001			Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 15)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ		60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	159.17	
			For Up To 10, Add	36.96	
			For >10 To 20, Add	19.76	
			For >20 To 40, Add	10.52	
			For >75 To 100, Deduct	-5.26	
			For >100 To 200, Deduct	-11.16	
			For >200, Deduct	-16.43	
07 52 16 15-0004	SQ		70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	168.65	
			For Up To 10, Add	38.86	
			For >10 To 20, Add	20.71	
			For >20 To 40, Add	11.00	
			For >75 To 100, Deduct	-5.50	
			For >100 To 200, Deduct	-11.64	
			For >200, Deduct	-17.14	
07 52 16 15-0005	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	284.43	
			For Up To 10, Add	62.40	
			For >10 To 20, Add	32.58	
			For >20 To 40, Add	16.98	
			For >75 To 100, Deduct	-8.49	
			For >100 To 200, Deduct	-17.67	
			For >200, Deduct	-26.16	
07 52 16 15-0006	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	339.96	
			For Up To 10, Add	73.51	
			For >10 To 20, Add	38.13	
			For >20 To 40, Add	19.76	
			For >75 To 100, Deduct	-9.88	
			For >100 To 200, Deduct	-20.44	
			For >200, Deduct	-30.32	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 15-0007	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	503.67	
			For Up To 10, Add	106.25	
			For >10 To 20, Add	54.50	
			For >20 To 40, Add	27.94	
			For >75 To 100, Deduct	-13.97	
			For >100 To 200, Deduct	-28.63	
			For >200, Deduct	-42.60	
			For Factory Applied White Reflective Surfacing, Add	111.04	
07 52 16 15-0008			Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 15-0001)		
07 52 16 15-0009	SF		70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.50	
07 52 16 15-0010	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	5.04	
			For Factory Applied White Reflective Surfacing, Add	1.11	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 15-0011 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering 6.68
For Factory Applied White Reflective Surfacing, Add 1.11

07 53 Elastomeric Membrane Roofing ^(07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing ^(07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** ^(07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered 610.10 102.60
Note: Includes adhesive.

For Up To 10, Add 163.06
For >10 To 20, Add 91.79
For >20 To 40, Add 51.03
For >75 To 100, Deduct -25.51
For >100 To 200, Deduct -56.16
For >200, Deduct -81.67
For 15 Year Warranty, Add 3.00

07 53 16 00-0003 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted 453.56 51.30
Note: Includes ballast.

For Up To 10, Add 111.23
For >10 To 20, Add 60.75
For >20 To 40, Add 32.94
For >75 To 100, Deduct -16.47
For >100 To 200, Deduct -35.50
For >200, Deduct -51.97
For 15 Year Warranty, Add 3.00

07 53 16 00-0004 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened 488.18 76.95
Note: Includes fasteners.

For Up To 10, Add 128.42
For >10 To 20, Add 71.90
For >20 To 40, Add 39.80
For >75 To 100, Deduct -19.90
For >100 To 200, Deduct -43.65
For >200, Deduct -63.55
For 15 Year Warranty, Add 3.00
For Mechanically Fastened To Concrete Decks, Add 38.48
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add 39.83

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing ^(07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** ^(07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted 304.85 51.30
Note: Includes ballast.

For Up To 10, Add 81.49
For >10 To 20, Add 45.88
For >20 To 40, Add 25.50
For >75 To 100, Deduct -12.75
For >100 To 200, Deduct -28.07
For >200, Deduct -40.82
For 15 Year Warranty, Add 3.00
For Low Slope Fire Rated, Add 8.92
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add 26.94

07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted 387.95 54.51
Note: Includes ballast.

For Up To 10, Add 99.39
For >10 To 20, Add 55.15
For >20 To 40, Add 30.30
For >75 To 100, Deduct -15.15
For >100 To 200, Deduct -33.02
For >200, Deduct -48.17
For 15 Year Warranty, Add 3.00
For 20 Year Warranty, Add 7.00
For 25 Year Warranty, Add 9.00
For Low Slope Fire Rated, Add 8.92
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add 26.94

07 53 23 00-0004 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted 515.06 57.71
Note: Includes ballast.

For Up To 10, Add 126.10
For >10 To 20, Add 68.82
For >20 To 40, Add 37.30
For >75 To 100, Deduct -18.65
For >100 To 200, Deduct -40.18
For >200, Deduct -58.83
For 15 Year Warranty, Add 3.00
For 20 Year Warranty, Add 7.00
For 25 Year Warranty, Add 9.00
For Low Slope Fire Rated, Add 8.92



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Elastomeric Membrane Roofing			07 53	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered.....	365.08	76.95
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	103.80	
		For >10 To 20, Add	59.59	
		For >20 To 40, Add	33.64	
		For >75 To 100, Deduct	-16.82	
		For >100 To 200, Deduct	-37.49	
		For >200, Deduct	-54.31	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.92	
		For Low VOC Adhesive, Add	35.30	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
		For Integral Polyester Fleece-Backing, Add	121.59	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered.....	448.18	80.16
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	121.70	
		For >10 To 20, Add	68.86	
		For >20 To 40, Add	38.44	
		For >75 To 100, Deduct	-19.22	
		For >100 To 200, Deduct	-42.45	
		For >200, Deduct	-61.67	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.92	
		For Low VOC Adhesive, Add	35.30	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
		For Integral Polyester Fleece-Backing, Add	134.67	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered.....	575.29	83.36
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	148.40	
		For >10 To 20, Add	82.54	
		For >20 To 40, Add	45.44	
		For >75 To 100, Deduct	-22.72	
		For >100 To 200, Deduct	-49.61	
		For >200, Deduct	-72.32	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.92	
		For Low VOC Adhesive, Add	35.30	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
		For Integral Polyester Fleece-Backing, Add	148.94	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	480.92	102.60
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	137.22	
		For >10 To 20, Add	78.87	
		For >20 To 40, Add	44.57	
		For >75 To 100, Deduct	-22.28	
		For >100 To 200, Deduct	-49.70	
		For >200, Deduct	-71.98	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.92	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
		For Low VOC Adhesive, Add	88.25	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
		For Integral Polyester Fleece-Backing, Add	121.59	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	564.01	105.81
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	155.12	
		For >10 To 20, Add	88.14	
		For >20 To 40, Add	49.36	
		For >75 To 100, Deduct	-24.68	
		For >100 To 200, Deduct	-54.65	
		For >200, Deduct	-79.33	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.92	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
		For Low VOC Adhesive, Add	88.25	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
		For Integral Polyester Fleece-Backing, Add	134.67	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	691.12	109.01
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	181.83	
			For >10 To 20, Add	101.82	
			For >20 To 40, Add	56.36	
			For >75 To 100, Deduct	-28.18	
			For >100 To 200, Deduct	-61.81	
			For >200, Deduct	-89.99	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.92	
			For Low VOC Adhesive, Add	88.25	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
			For Integral Polyester Fleece-Backing, Add	148.94	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	339.22	76.95
			Note: Includes fasteners.		
			For Up To 10, Add	98.62	
			For >10 To 20, Add	57.01	
			For >20 To 40, Add	32.35	
			For >75 To 100, Deduct	-16.18	
			For >100 To 200, Deduct	-36.20	
			For >200, Deduct	-52.37	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.92	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
			For Mechanically Fastened To Concrete Decks, Add	38.48	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.83	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	422.32	80.16
			Note: Includes fasteners.		
			For Up To 10, Add	116.53	
			For >10 To 20, Add	66.28	
			For >20 To 40, Add	37.15	
			For >75 To 100, Deduct	-18.57	
			For >100 To 200, Deduct	-41.15	
			For >200, Deduct	-59.73	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.92	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	26.94	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
			For Mechanically Fastened To Concrete Decks, Add	40.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.43	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	549.43	83.36
			Note: Includes fasteners.		
			For Up To 10, Add	143.23	
			For >10 To 20, Add	79.95	
			For >20 To 40, Add	44.14	
			For >75 To 100, Deduct	-22.07	
			For >100 To 200, Deduct	-48.31	
			For >200, Deduct	-70.39	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.92	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	85.13	
			For Mechanically Fastened To Concrete Decks, Add	41.68	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.03	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	77.84	
			For Up To 10, Add	20.70	
			For >10 To 20, Add	11.63	
			For >20 To 40, Add	6.46	
			For >75 To 100, Deduct	-3.23	
			For >100 To 200, Deduct	-7.10	
			For >200, Deduct	-10.33	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	80.45	
			Note: 55% solids by volume.		
			For Up To 10, Add	21.22	
			For >10 To 20, Add	11.89	
			For >20 To 40, Add	6.59	
			For >75 To 100, Deduct	-3.29	
			For >100 To 200, Deduct	-7.23	
			For >200, Deduct	-10.52	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	49.72	12.18
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	70.31	12.18
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	129.76	12.18
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Elastomeric Membrane Roofing			07 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	171.64	13.47
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	38.33	7.44
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.36	1.92
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.28	2.89

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	560.08	57.71
			For Up To 10, Add	135.10	
			For >10 To 20, Add	73.32	
			For >20 To 40, Add	39.55	
			For >75 To 100, Deduct	-19.77	
			For >100 To 200, Deduct	-42.43	
			For >200, Deduct	-62.21	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	628.55	83.36
			For Up To 10, Add	159.06	
			For >10 To 20, Add	87.86	
			For >20 To 40, Add	48.10	
			For >75 To 100, Deduct	-24.05	
			For >100 To 200, Deduct	-52.27	
			For >200, Deduct	-76.32	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	756.75	109.01
			For Up To 10, Add	194.96	
			For >10 To 20, Add	108.38	
			For >20 To 40, Add	59.64	
			For >75 To 100, Deduct	-29.82	
			For >100 To 200, Deduct	-65.09	
			For >200, Deduct	-94.91	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	274.46	51.30
			For Up To 10, Add	75.41	
			For >10 To 20, Add	42.84	
			For >20 To 40, Add	23.98	
			For >75 To 100, Deduct	-11.99	
			For >100 To 200, Deduct	-26.55	
			For >200, Deduct	-38.54	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	307.47	54.51
			For Up To 10, Add	83.30	
			For >10 To 20, Add	47.10	
			For >20 To 40, Add	26.27	
			For >75 To 100, Deduct	-13.14	
			For >100 To 200, Deduct	-29.00	
			For >200, Deduct	-42.14	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	50.88	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0004	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	344.68	56.11
			Note: Includes ballast.		
			For Up To 10, Add	91.38	
			For >10 To 20, Add	51.30	
			For >20 To 40, Add	28.46	
			For >75 To 100, Deduct	-14.23	
			For >100 To 200, Deduct	-31.26	
			For >200, Deduct	-45.49	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	362.67	57.71
			Note: Includes ballast.		
			For Up To 10, Add	95.62	
			For >10 To 20, Add	53.58	
			For >20 To 40, Add	29.68	
			For >75 To 100, Deduct	-14.84	
			For >100 To 200, Deduct	-32.56	
			For >200, Deduct	-47.40	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	510.99	102.60
			Note: Includes adhesive.		
			For Up To 10, Add	143.24	
			For >10 To 20, Add	81.88	
			For >20 To 40, Add	46.07	
			For >75 To 100, Deduct	-23.03	
			For >100 To 200, Deduct	-51.20	
			For >200, Deduct	-74.23	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	91.39	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	544.01	105.81
			Note: Includes adhesive.		
			For Up To 10, Add	151.12	
			For >10 To 20, Add	86.14	
			For >20 To 40, Add	48.36	
			For >75 To 100, Deduct	-24.18	
			For >100 To 200, Deduct	-53.65	
			For >200, Deduct	-77.83	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	91.39	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	581.22	107.41
			Note: Includes adhesive.		
			For Up To 10, Add	159.21	
			For >10 To 20, Add	90.35	
			For >20 To 40, Add	50.54	
			For >75 To 100, Deduct	-25.27	
			For >100 To 200, Deduct	-55.91	
			For >200, Deduct	-81.19	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	91.39	
			For Integral Polyester Fleece-Backing, Add	50.88	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	599.21	109.01
			Note: Includes adhesive.		
			For Up To 10, Add	163.45	
			For >10 To 20, Add	92.63	
			For >20 To 40, Add	51.76	
			For >75 To 100, Deduct	-25.88	
			For >100 To 200, Deduct	-57.21	
			For >200, Deduct	-83.10	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	91.39	
			For Integral Polyester Fleece-Backing, Add	50.88	



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Thermoplastic Membrane Roofing			07 54

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners. For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 15 Year Warranty, Add For Colors, Add For Integral Polyester Fleece-Backing, Add For Mechanically Fastened To Concrete Decks, Add For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	300.37 90.85 53.12 30.41 -15.20 -34.26 -49.46 3.00 26.00 50.88 38.48 39.83	76.95
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners. For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 15 Year Warranty, Add For 20 Year Warranty, Add For 25 Year Warranty, Add For Colors, Add For Integral Polyester Fleece-Backing, Add For Mechanically Fastened To Concrete Decks, Add For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	333.39 98.74 57.39 32.70 -16.35 -36.71 -53.06 3.00 7.00 9.00 26.00 50.88 40.08 41.43	80.16
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners. For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 15 Year Warranty, Add For 20 Year Warranty, Add For 25 Year Warranty, Add For Colors, Add For Integral Polyester Fleece-Backing, Add For Mechanically Fastened To Concrete Decks, Add For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	370.59 106.82 61.59 34.88 -17.44 -38.97 -56.41 3.00 7.00 9.00 26.00 50.88 40.88 42.23	81.76
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners. For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 15 Year Warranty, Add For 20 Year Warranty, Add For 25 Year Warranty, Add For Colors, Add For Integral Polyester Fleece-Backing, Add For Mechanically Fastened To Concrete Decks, Add For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	388.58 111.06 63.87 36.10 -18.05 -40.27 -58.32 3.00 7.00 9.00 26.00 50.88 41.68 43.03	83.36
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	77.84 20.70 11.63 6.46 -3.23 -7.10 -10.33	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume. For Up To 10, Add For >10 To 20, Add For >20 To 40, Add For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	80.45 21.22 11.89 6.59 -3.29 -7.23 -10.52	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	80.89	10.90
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	113.05	12.18
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	144.26	13.47
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	182.94	13.47
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	33.01	7.44
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing	8.70	1.92

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.62		2.89
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	11.66		1.92
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.					
07 54 19 00-0025		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil®			
		EnergySmart Roof® Membranes) (07 54 19)			
07 54 19 00-0026		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil®			
		EnergySmart Roof® Membranes) (07 54 19 00-0025)			
Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.					
07 54 19 00-0027	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof®	681.66		102.60
		Membranes), Fully Adhered			
		Note: Includes adhesive.			
		For Up To 10, Add	177.37		
		For >10 To 20, Add	98.95		
		For >20 To 40, Add	54.60		
		For >75 To 100, Deduct	-27.30		
		For >100 To 200, Deduct	-59.73		
		For >200, Deduct	-87.03		
		For 15 Year Warranty, Add	5.19		
		For 20 Year Warranty, Add	18.18		
		For 25 Year Warranty, Add	33.76		
		For Integral Felt Backing, Add	90.88		
07 54 19 00-0028	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof®	734.97		105.81
		Membranes), Fully Adhered			
		Note: Includes adhesive.			
		For Up To 10, Add	189.32		
		For >10 To 20, Add	105.24		
		For >20 To 40, Add	57.91		
		For >75 To 100, Deduct	-28.95		
		For >100 To 200, Deduct	-63.20		
		For >200, Deduct	-92.15		
		For 15 Year Warranty, Add	5.19		
		For 20 Year Warranty, Add	18.18		
		For 25 Year Warranty, Add	33.76		
		For Integral Felt Backing, Add	90.88		
07 54 19 00-0029	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof®	788.02		107.41
		Membranes), Fully Adhered			
		Note: Includes adhesive.			
		For Up To 10, Add	200.57		
		For >10 To 20, Add	111.03		
		For >20 To 40, Add	60.88		
		For >75 To 100, Deduct	-30.44		
		For >100 To 200, Deduct	-66.25		
		For >200, Deduct	-96.70		
		For 15 Year Warranty, Add	5.19		
		For 20 Year Warranty, Add	18.18		
		For 25 Year Warranty, Add	33.76		
		For Integral Felt Backing, Add	90.88		
07 54 19 00-0030	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof®	844.00		109.01
		Membranes), Fully Adhered			
		Note: Includes adhesive.			
		For Up To 10, Add	212.41		
		For >10 To 20, Add	117.10		
		For >20 To 40, Add	64.00		
		For >75 To 100, Deduct	-32.00		
		For >100 To 200, Deduct	-69.45		
		For >200, Deduct	-101.46		
		For 15 Year Warranty, Add	5.19		
		For 20 Year Warranty, Add	18.18		
		For 25 Year Warranty, Add	33.76		
		For Integral Felt Backing, Add	90.88		
07 54 19 00-0031	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof®	555.50		76.95
		Membranes), Mechanically Fastened.....			
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.			
		For Up To 10, Add	141.88		
		For >10 To 20, Add	78.64		
		For >20 To 40, Add	43.17		
		For >75 To 100, Deduct	-21.58		
		For >100 To 200, Deduct	-47.01		
		For >200, Deduct	-68.60		
		For Mechanically Fastened To Concrete Decks, Add	38.48		
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.83		
		For 15 Year Warranty, Add	5.19		
		For 20 Year Warranty, Add	18.18		
		For 25 Year Warranty, Add	33.76		
		For Integral Felt Backing, Add	90.88		
		For Mechanically Fastened With Sarnabar, Add	53.38		



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Thermoplastic Membrane Roofing			07 54

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0032	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	608.81	80.16
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	153.82	
			For >10 To 20, Add	84.93	
			For >20 To 40, Add	46.47	
			For >75 To 100, Deduct	-23.24	
			For >100 To 200, Deduct	-50.48	
			For >200, Deduct	-73.72	
			For Mechanically Fastened To Concrete Decks, Add	40.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.43	
			For 15 Year Warranty, Add	5.19	
			For 20 Year Warranty, Add	18.18	
			For 25 Year Warranty, Add	33.76	
			For Integral Felt Backing, Add	90.88	
			For Mechanically Fastened With Sarnabar, Add	53.38	
07 54 19 00-0033	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	661.86	81.76
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	165.08	
			For >10 To 20, Add	90.71	
			For >20 To 40, Add	49.45	
			For >75 To 100, Deduct	-24.72	
			For >100 To 200, Deduct	-53.53	
			For >200, Deduct	-78.26	
			For Mechanically Fastened To Concrete Decks, Add	40.88	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	42.23	
			For 15 Year Warranty, Add	5.19	
			For 20 Year Warranty, Add	18.18	
			For 25 Year Warranty, Add	33.76	
			For Integral Felt Backing, Add	90.88	
			For Mechanically Fastened With Sarnabar, Add	53.38	
07 54 19 00-0034	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	717.84	83.36
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	176.91	
			For >10 To 20, Add	96.79	
			For >20 To 40, Add	52.57	
			For >75 To 100, Deduct	-26.28	
			For >100 To 200, Deduct	-56.73	
			For >200, Deduct	-83.02	
			For Mechanically Fastened To Concrete Decks, Add	41.68	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.03	
			For 15 Year Warranty, Add	5.19	
			For 20 Year Warranty, Add	18.18	
			For 25 Year Warranty, Add	33.76	
			For Integral Felt Backing, Add	90.88	
			For Mechanically Fastened With Sarnabar, Add	53.38	
07 54 19 00-0035			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) (07 54 19 00-0025)		
07 54 19 00-0036	LF		3/4" Wide Multi-Purpose Tape (Sika Sarnafil®)	1.53	
07 54 19 00-0037	LF		Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop)	6.68	1.84
			Note: Includes fasteners and caulking.		
07 54 19 00-0038	EA		4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles)	7.11	1.60
07 54 19 00-0039	LF		8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	7.89	1.60
			Note: Includes aluminum tape.		
07 54 19 00-0040	LF		12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	7.89	1.60
			Note: Includes aluminum tape.		
07 54 19 00-0041	LF		Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet)	10.63	2.05
			Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0042	SF		Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459)	11.27	1.92
07 54 19 00-0043	SF		Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane)	13.18	2.89
07 54 19 00-0044	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad)	16.83	1.92
			Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
			For Colored PVC, Add	1.88	
07 54 19 00-0045	LF		39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V)	43.69	7.44
07 54 19 00-0046	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	122.64	10.90
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0047	EA		>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	125.21	12.18
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0048	EA		>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	127.77	13.47
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0049	EA		6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®)	1,690.25	222.13
07 54 19 00-0050	EA		Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside)	34.23	
07 54 19 00-0051	EA		Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside)	34.23	
07 54 19 00-0052	SQ		9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid	85.69	
07 54 19 00-0053	SQ		11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid	136.82	
07 54 19 00-0054	SQ		10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid	74.10	
07 54 19 00-0055	SQ		32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering	213.82	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 54 19 00-0056	Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) (07 54 19 00-0025)				
07 54 19 00-0057	Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0056)				
07 54 19 00-0058	Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0057)				
07 54 19 00-0059	Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0058)				
07 54 19 00-0060	LF 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	28.81		3.69	
07 54 19 00-0061	Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0058)				
07 54 19 00-0062	EA Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	184.93		13.66	
07 54 19 00-0063	EA Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	184.93		13.66	
07 54 19 00-0064	EA Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	227.80		13.66	
07 54 19 00-0065	EA Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	86.96		3.69	
07 54 19 00-0066	KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0057)				
07 54 19 00-0067	KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0066)				
07 54 19 00-0068	LF 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	33.77		3.69	
07 54 19 00-0069	Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0066)				
07 54 19 00-0070	EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	194.83		13.66	
07 54 19 00-0071	EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	194.83		13.66	
07 54 19 00-0072	EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	247.60		13.66	
07 54 19 00-0073	EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	96.88		3.69	
07 54 19 00-0074	Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0056)				
07 54 19 00-0075	KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0074)				
07 54 19 00-0076	KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0075)				
07 54 19 00-0077	LF 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	29.96		3.69	
07 54 19 00-0078	Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) (07 54 19 00-0075)				
07 54 19 00-0079	EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	187.22		13.66	
07 54 19 00-0080	EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	187.22		13.66	
07 54 19 00-0081	EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	232.38		13.66	
07 54 19 00-0082	EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	89.25		3.69	
07 54 23	Thermoplastic-Polyolefin Roofing (07 54)				
07 54 23 00-0001	Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23) Note: Includes polyester fabric reinforcement and hot air welding of seams.				



Thermal And Moisture Protection			07	07
Membrane Roofing			07 50	
Thermoplastic Membrane Roofing			07 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0002	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	501.20	102.60
			Note: Includes adhesive.		
			For Up To 10, Add	141.28	
			For >10 To 20, Add	80.90	
			For >20 To 40, Add	45.58	
			For >75 To 100, Deduct	-22.79	
			For >100 To 200, Deduct	-50.71	
			For >200, Deduct	-73.50	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	88.25	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	524.35	104.20
			Note: Includes adhesive.		
			For Up To 10, Add	146.55	
			For >10 To 20, Add	83.70	
			For >20 To 40, Add	47.06	
			For >75 To 100, Deduct	-23.53	
			For >100 To 200, Deduct	-52.27	
			For >200, Deduct	-75.80	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	88.25	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	536.42	105.81
			Note: Includes adhesive.		
			For Up To 10, Add	149.61	
			For >10 To 20, Add	85.38	
			For >20 To 40, Add	47.98	
			For >75 To 100, Deduct	-23.99	
			For >100 To 200, Deduct	-53.27	
			For >200, Deduct	-77.26	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	88.25	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	690.90	109.01
			Note: Includes adhesive.		
			For Up To 10, Add	181.79	
			For >10 To 20, Add	101.79	
			For >20 To 40, Add	56.35	
			For >75 To 100, Deduct	-28.17	
			For >100 To 200, Deduct	-61.80	
			For >200, Deduct	-89.97	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	88.25	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	333.78	76.95
			Note: Includes fasteners.		
			For Up To 10, Add	97.54	
			For >10 To 20, Add	56.46	
			For >20 To 40, Add	32.08	
			For >75 To 100, Deduct	-16.04	
			For >100 To 200, Deduct	-35.93	
			For >200, Deduct	-51.97	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	38.48	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.83	
07 54 23 00-0007	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	356.93	78.55
			Note: Includes fasteners.		
			For Up To 10, Add	102.81	
			For >10 To 20, Add	59.26	
			For >20 To 40, Add	33.56	
			For >75 To 100, Deduct	-16.78	
			For >100 To 200, Deduct	-37.49	
			For >200, Deduct	-54.26	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	39.28	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	40.63	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008	SQ		60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	369.01	80.16
			Note: Includes fasteners.		
			For Up To 10, Add	105.86	
			For >10 To 20, Add	60.95	
			For >20 To 40, Add	34.48	
			For >75 To 100, Deduct	-17.24	
			For >100 To 200, Deduct	-38.49	
			For >200, Deduct	-55.73	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	40.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.43	
07 54 23 00-0009	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	523.48	83.36
			Note: Includes fasteners.		
			For Up To 10, Add	138.04	
			For >10 To 20, Add	77.36	
			For >20 To 40, Add	42.85	
			For >75 To 100, Deduct	-21.42	
			For >100 To 200, Deduct	-47.02	
			For >200, Deduct	-68.44	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	41.68	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.03	
07 54 23 00-0010			Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0011	SQ		Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat.....	92.20	
			For Up To 10, Add	23.57	
			For >10 To 20, Add	13.07	
			For >20 To 40, Add	7.18	
			For >75 To 100, Deduct	-3.59	
			For >100 To 200, Deduct	-7.82	
			For >200, Deduct	-11.40	
07 54 23 00-0012	SQ		Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat	80.45	
			Note: 55% solids by volume.		
			For Up To 10, Add	21.22	
			For >10 To 20, Add	11.89	
			For >20 To 40, Add	6.59	
			For >75 To 100, Deduct	-3.29	
			For >100 To 200, Deduct	-7.23	
			For >200, Deduct	-10.52	
			For Tan Or Gray Color, Add	2.74	
07 54 23 00-0013	EA		Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot.....	69.92	10.90
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA		>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	75.55	12.18
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA		6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket.....	137.27	13.47
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF		30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad.....	32.62	7.44
07 54 23 00-0017	SF		Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.08	1.92
07 54 23 00-0018	SF		Thermoplastic Polyolefin (TPO) Curb Flashing.....	8.03	1.92
			For Tan Or Gray Color, Add	0.11	
07 54 23 00-0019	SF		Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing.....	13.16	1.92
			Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 55 Protected Membrane Roofing			(07 50)		
07 55 52 Modified Bituminous Protected Membrane Roofing			(07 55)		
07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing			(07 55 52)		
			See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.		
07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing			(07 55 52)		
			See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.		
07 56 Fluid-Applied Roofing			(07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats			(07 56)		
07 56 00 00-0002	SQ		60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	1,171.79	170.95
			For Each Additional Coat, Add	175.77	
07 56 00 00-0003 Vinyl Spray Liquid Roofing			(07 56)		
07 56 00 00-0004	SQ		2 Mil Vinyl Liquid Roofing.....	1,087.78	180.15
07 56 00 00-0005	SQ		4 Mil Vinyl Liquid Roofing.....	1,217.88	201.19



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Fluid-Applied Roofing			07 56

07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0006		Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	485.74	103.23
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	585.79	103.23
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	661.03	103.23
07 56 00 00-0010		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On (07 56)		
		Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,093.20	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,122.06	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	449.26	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof.....	1,435.26	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	796.67	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home.....	526.99	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs.....	616.77	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,182.98	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.21	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	5.97	
07 56 00 00-0022		Polyurethane Roof Coating, Sprayed On Assemblies (07 56)		
		Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating.....	12.22	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.67	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.12	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.42	
07 56 00 00-0027		Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane.....	2,017.93	103.23
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		
07 56 00 00-0029		Urethane Liquid Roofing Membrane (07 56)		
		Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	104.09	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	6.03	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	396.72	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	103.01	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	975.69	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,473.28	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,009.33	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	261.92	
07 57		Coated Foamed Roofing (07 50)		
07 57 13		Sprayed Polyurethane Foam Roofing (07 57)		
		Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
		Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	415.04	63.74
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	496.74	68.29
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	578.44	72.85
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	668.20	77.40
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	757.95	81.95
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	831.60	86.50

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	905.25	91.06
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	986.94	95.60
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,068.65	100.16
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,150.35	104.72
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,232.04	109.26
07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)				
Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.				
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	427.58	63.74
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	509.27	68.29
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	590.97	72.85
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	672.68	77.40
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	754.37	81.95
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	836.07	86.50
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	917.79	91.06
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	999.48	95.60
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,081.18	100.16
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,162.88	104.72
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,244.58	109.26
07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)				
Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.				
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	458.02	63.74
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	537.03	68.29
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	616.04	72.85
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	697.75	77.40
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	779.44	81.95
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	894.63	86.50
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,009.82	91.06
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,098.32	95.60
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,186.83	100.16
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,275.33	104.72
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,363.83	109.26
07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)				
07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating (07 57 13 00-0039)				
Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.				
07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	466.97	63.74
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	555.47	68.29
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	643.98	72.85
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	732.48	77.40



Thermal And Moisture Protection			07
Membrane Roofing			07 50
Coated Foamed Roofing			07 57

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0045	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	820.98	81.95
07 57 13 00-0046	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	909.49	86.50
07 57 13 00-0047	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	998.00	91.06
07 57 13 00-0048	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,086.50	95.60
07 57 13 00-0049	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,175.01	100.16
07 57 13 00-0050	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,263.52	104.72
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,352.01	109.26
07 57 13 00-0052			Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating (07 57 13 00-0039) Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	484.70	63.74
07 57 13 00-0054	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	573.20	68.29
07 57 13 00-0055	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	661.70	72.85
07 57 13 00-0056	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	750.21	77.40
07 57 13 00-0057	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	838.71	81.95
07 57 13 00-0058	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	927.21	86.50
07 57 13 00-0059	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,015.73	91.06
07 57 13 00-0060	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,104.23	95.60
07 57 13 00-0061	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,192.74	100.16
07 57 13 00-0062	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,281.24	104.72
07 57 13 00-0063	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,369.74	109.26
07 57 13 00-0064			Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0039) Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	498.49	63.74
07 57 13 00-0066	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	586.98	68.29
07 57 13 00-0067	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	675.49	72.85
07 57 13 00-0068	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	764.00	77.40
07 57 13 00-0069	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	852.50	81.95
07 57 13 00-0070	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	941.00	86.50
07 57 13 00-0071	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,029.52	91.06
07 57 13 00-0072	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,118.02	95.60
07 57 13 00-0073	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,206.52	100.16
07 57 13 00-0074	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,295.03	104.72
07 57 13 00-0075	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,383.53	109.26
07 58			Roll Roofing (07 50)		
07 58 00 00-0001			Prepared Roll Roofing (07 58) Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	288.17	40.78
07 59			Membrane Roofing Termination Bar (07 50)		
07 59 00 00-0001			Membrane Roofing Termination Bar (07 59)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 59 Membrane Roofing Termination Bar**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 59 00 00-0002	LF		Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.64	1.84

07 60 Flashing and Sheet Metal ⁽⁰⁷⁾**07 61 Sheet Metal Roofing** ^(07 60)**07 61 13 Standing Seam Sheet Metal Roofing** ^(07 61)**07 61 13 00-0001 Standing Seam Concealed Fastener Roofing** ^(07 61 13)**07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing** ^(07 61 13 00-0001)

07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	33.00	3.68
			For Steep Roof, Over 6 To 12, Add	2.21	
			For 140 MPH Wind Load, Add	1.25	
			For Up To 1,500, Add	8.25	
			For Panels < 16" Wide, Add	3.01	
			For Up To 5000, Add	3.30	
			For > 5000 To 10000, Add	0.83	
07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	36.12	3.99
			For Steep Roof, Over 6 To 12, Add	2.39	
			For Panels <16" Wide, Add	3.28	
			For 140 MPH Wind Load, Add	1.36	
			For Up To 1,500, Add	9.03	
			For >1,500 To 5,000, Add	5.42	
			For >5,000 To 10,000, Add	0.90	
			For Panels < 16" Wide, Add	3.28	
			For Up To 5000, Add	3.61	
			For > 5000 To 10000, Add	0.90	
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	42.47	4.36
			For Steep Roof, Over 6 To 12, Add	2.61	
			For 140 MPH Wind Load, Add	1.55	
			For Up To 1,500, Add	10.62	
			For Panels < 16" Wide, Add	3.73	
			For Up To 5000, Add	4.25	
			For > 5000 To 10000, Add	1.06	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing ^(07 61 13 00-0001)

07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	38.49	3.99
			For Steep Roof, Over 6 To 12, Add	2.39	
			For Panels <16" Wide, Add	3.40	
			For 140 MPH Wind Load, Add	1.41	
			For Up To 1,500, Add	9.62	
			For >1,500 To 5,000, Add	5.77	
			For >5,000 To 10,000, Add	0.96	
			For Tin/Copper, Deduct	-0.61	
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	46.47	4.16
			For Steep Roof, Over 6 To 12, Add	2.50	
			For Panels <16" Wide, Add	3.86	
			For 140 MPH Wind Load, Add	1.60	
			For Up To 1,500, Add	11.62	
			For >1,500 To 5,000, Add	6.97	
			For >5,000 To 10,000, Add	1.16	
			For Tin/Copper, Deduct	-0.76	
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	52.73	4.36
			For Steep Roof, Over 6 To 12, Add	2.61	
			For Panels <16" Wide, Add	4.25	
			For 140 MPH Wind Load, Add	1.75	
			For Up To 1,500, Add	13.18	
			For >1,500 To 5,000, Add	7.91	
			For >5,000 To 10,000, Add	1.32	
			For Tin/Copper, Deduct	-0.88	
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	65.90	4.56
			For Steep Roof, Over 6 To 12, Add	2.73	
			For Panels <16" Wide, Add	4.98	
			For 140 MPH Wind Load, Add	2.05	
			For Up To 1,500, Add	16.48	
			For >1,500 To 5,000, Add	9.89	
			For >5,000 To 10,000, Add	1.65	
			For Tin/Copper, Deduct	-1.14	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing ^(07 61 13 00-0001)

07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	137.12	7.61
			For Steep Roof, Over 6 To 12, Add	5.71	
			For 140 MPH Wind Load, Add	4.26	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	79.93	7.61
			For Steep Roof, Over 6 To 12, Add	5.71	
			For 140 MPH Wind Load, Add	3.12	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	191.20	7.61
			For Steep Roof, Over 6 To 12, Add	5.71	
			For 140 MPH Wind Load, Add	5.35	



Thermal And Moisture Protection			07	07
Flashing and Sheet Metal			07 60	
Sheet Metal Roofing			07 61	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	141.40 5.71 4.35	7.61
07 61 16 Batten Seam Sheet Metal Roofing (07 61)				
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	40.60 2.61 3.64 1.51 10.15 6.09 1.02	4.36
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	44.78 2.74 3.93 1.63 11.20 6.72 1.12	4.57
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	52.10 2.87 4.38 1.81 13.03 7.82 1.30	4.79
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	41.12 2.39 3.53 1.46 10.28 6.17 1.03 -0.66	3.99
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	50.23 2.50 4.05 1.67 12.56 7.53 1.26 -0.84	4.16
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	56.23 2.61 4.42 1.82 14.06 8.43 1.41 -0.95	4.36
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	70.40 2.73 5.21 2.14 17.60 10.56 1.76 -1.23	4.56
07 61 19 Flat Seam Sheet Metal Roofing (07 61)				
07 61 19 00-0001		Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002		Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	31.49 2.39 3.05 1.27 7.87 4.72 0.79	3.99

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	34.59	4.16
			For Steep Roof, Over 6 To 12, Add	2.50	
			For Panels <16" Wide, Add	3.27	
			For 140 MPH Wind Load, Add	1.36	
			For Up To 1,500, Add	8.65	
			For >1,500 To 5,000, Add	5.19	
			For >5,000 To 10,000, Add	0.86	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	39.97	4.36
			For Steep Roof, Over 6 To 12, Add	2.61	
			For Panels <16" Wide, Add	3.61	
			For 140 MPH Wind Load, Add	1.50	
			For Up To 1,500, Add	9.99	
			For >1,500 To 5,000, Add	6.00	
			For >5,000 To 10,000, Add	1.00	
07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)					
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	36.12	3.99
			For Steep Roof, Over 6 To 12, Add	2.39	
			For Panels <16" Wide, Add	3.28	
			For 140 MPH Wind Load, Add	1.36	
			For Up To 1,500, Add	9.03	
			For >1,500 To 5,000, Add	5.42	
			For >5,000 To 10,000, Add	0.90	
			For Tin/Copper, Deduct	-0.56	
07 61 19 00-0008	SF		0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	43.97	4.16
			For Steep Roof, Over 6 To 12, Add	2.50	
			For Panels <16" Wide, Add	3.74	
			For 140 MPH Wind Load, Add	1.55	
			For Up To 1,500, Add	10.99	
			For >1,500 To 5,000, Add	6.60	
			For >5,000 To 10,000, Add	1.10	
			For Tin/Copper, Deduct	-0.71	
07 61 19 00-0009	SF		0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	49.35	4.36
			For Steep Roof, Over 6 To 12, Add	2.61	
			For Panels <16" Wide, Add	4.08	
			For 140 MPH Wind Load, Add	1.68	
			For Up To 1,500, Add	12.34	
			For >1,500 To 5,000, Add	7.40	
			For >5,000 To 10,000, Add	1.23	
			For Tin/Copper, Deduct	-0.81	
07 61 19 00-0010	SF		0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	61.65	4.56
			For Steep Roof, Over 6 To 12, Add	2.73	
			For Panels <16" Wide, Add	4.77	
			For 140 MPH Wind Load, Add	1.96	
			For Up To 1,500, Add	15.41	
			For >1,500 To 5,000, Add	9.25	
			For >5,000 To 10,000, Add	1.54	
			For Tin/Copper, Deduct	-1.05	
07 62 Sheet Metal Flashing and Trim (07 60)					
07 62 13 Fabricated Copings (07 62)					
07 62 13 00-0001 Lead Flashing And Trim (07 62 13)					
07 62 13 00-0002	SF		2.5 Lb./SF, Sheet Lead Flashing	24.96	5.97
			For Up To 100, Add	6.24	
07 62 13 00-0003	SF		4 Lb./SF, Sheet Lead Flashing	32.67	5.97
			For Up To 100, Add	8.17	
07 62 13 00-0004 Copper Flashing And Trim (07 62 13)					
07 62 13 00-0005 Copper Flashing And Trim (07 62 13 00-0004)					
07 62 13 00-0006	SF		16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	29.10	5.83
			For Up To 100, Add	7.28	
			For >500 To 2,000, Deduct	-4.01	
			For >2,000, Deduct	-4.89	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.31	
			For Wrap Around Window Panning, Add	11.54	
07 62 13 00-0007	SF		20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	30.05	5.97
			For Up To 100, Add	7.51	
			For >500 To 2,000, Deduct	-4.15	
			For >2,000, Deduct	-5.05	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.41	
			For Wrap Around Window Panning, Add	12.06	
07 62 13 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	34.23	6.37
			For Up To 100, Add	8.56	
			For >500 To 2,000, Deduct	-4.70	
			For >2,000, Deduct	-5.78	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.53	
			For Wrap Around Window Panning, Add	12.64	



Thermal And Moisture Protection			07
Flashing and Sheet Metal			07 60
Sheet Metal Flashing and Trim			07 62

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	42.06	6.63
			For Up To 100, Add	10.52	
			For >500 To 2,000, Deduct	-5.73	
			For >2,000, Deduct	-7.17	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.65	
			For Wrap Around Window Panning, Add	13.27	
07 62 13 00-0010			Stainless Steel Flashing And Trim (07 62 13)		
07 62 13 00-0011			Stainless Steel Flashing And Trim (07 62 13 00-0010)		
07 62 13 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	11.77	3.19
			For Up To 100, Add	2.94	
			For Wrap Around Window Panning, Add	8.19	
			For Mechanically Keyed Flashing, Add	1.43	
07 62 13 00-0013	SF		30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	12.79	3.58
			For Up To 100, Add	3.20	
			For Wrap Around Window Panning, Add	8.32	
			For Mechanically Keyed Flashing, Add	1.79	
07 62 13 00-0014	SF		28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	13.82	3.98
			For Up To 100, Add	3.46	
			For Wrap Around Window Panning, Add	8.46	
			For Mechanically Keyed Flashing, Add	2.14	
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	15.43	4.38
			For Up To 100, Add	3.86	
			For Wrap Around Window Panning, Add	8.73	
			For Mechanically Keyed Flashing, Add	2.68	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	18.15	4.65
			For Up To 100, Add	4.54	
			For Wrap Around Window Panning, Add	9.22	
			For Mechanically Keyed Flashing, Add	3.57	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	19.83	4.88
			For Up To 100, Add	4.96	
			For Wrap Around Window Panning, Add	9.75	
			For Mechanically Keyed Flashing, Add	4.03	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	21.24	5.17
			For Up To 100, Add	5.31	
			For Wrap Around Window Panning, Add	10.32	
			For Mechanically Keyed Flashing, Add	4.37	
07 62 13 00-0019			Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020			Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.47	4.11
			For Up To 100, Add	3.37	
			For Baked Aluminum Colors, Add	0.43	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	14.41	4.11
			For Up To 100, Add	3.60	
			For Baked Aluminum Colors, Add	0.53	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	15.16	4.11
			For Up To 100, Add	3.79	
			For Baked Aluminum Colors, Add	0.60	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	16.24	4.11
			For Up To 100, Add	4.06	
			For Baked Aluminum Colors, Add	0.71	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	17.75	4.11
			For Up To 100, Add	4.44	
			For Baked Aluminum Colors, Add	0.86	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim.....	18.68	4.11
			For Up To 100, Add	4.67	
			For Baked Aluminum Colors, Add	0.95	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.43	4.11
			For Up To 100, Add	4.86	
			For Baked Aluminum Colors, Add	1.03	
			For Wrap Around Window Panning, Add	9.15	
07 62 13 00-0028			Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029			Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	13.11	3.98
			For Up To 100, Add	3.28	
			For Wrap Around Window Panning, Add	8.46	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	13.63	4.38
			For Up To 100, Add	3.41	
			For Wrap Around Window Panning, Add	8.73	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	14.51	4.65
			For Up To 100, Add	3.63	
			For Wrap Around Window Panning, Add	9.22	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i>	15.42 3.86	4.88
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	16.67 9.75 4.17 10.32	5.17
07 62 19 Fabricated Gravel Stops and Fasciae (07 62)				
07 62 19 00-0001		Drip Edge (07 62 19)		
07 62 19 00-0002		Aluminum Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.05	2.05
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.43	2.19
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.67	2.46
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.58	2.59
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.00	2.73
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.00	2.05
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.49	2.19
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.25	2.46
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.47	2.59
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.79	2.73
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.94	2.05
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.75	2.19
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.77	2.46
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.37	2.59
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.32	2.73
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.84	2.05
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.28	2.19
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.78	2.46
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.16	2.59
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.38	2.73
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.47	2.05
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.23	2.19
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.78	2.46
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.43	2.59
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.06	2.73
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.68	2.05
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.07	2.19
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.25	2.46
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.85	2.59
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	46.96	2.73
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.84	2.05
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.28	2.19
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.26	2.46
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.17	2.59
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	55.38	2.73
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.64	2.05
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.34	2.19
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.26	2.46
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	50.75	2.59
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	65.49	2.73



Thermal And Moisture Protection			07
Flashing and Sheet Metal			07 60
Sheet Metal Flashing and Trim			07 62

10

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.60	2.05
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	14.10	2.19
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	15.81	2.46
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	18.68	2.59
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	23.24	2.73
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	12.25	2.05
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	14.83	2.19
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	16.90	2.46
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	19.98	2.59
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	24.47	2.73
07 62 19 00-0065		0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	12.91	2.05
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	15.70	2.19
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	17.95	2.46
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	21.29	2.59
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	26.21	2.73
07 62 19 00-0071		0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	14.21	2.05
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	17.44	2.19
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	20.02	2.46
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	23.90	2.59
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	29.70	2.73
07 62 19 00-0077		0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	14.65	2.05
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	18.09	2.19
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	20.71	2.46
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	24.78	2.59
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	30.86	2.73
07 62 19 00-0083		0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	16.17	2.05
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	20.05	2.19
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	23.11	2.46
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	27.83	2.59
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	34.93	2.73
07 62 19 00-0089		0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	18.35	2.05
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	22.96	2.19
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	26.56	2.46
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	32.19	2.59
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	40.74	2.73
07 62 19 00-0095		0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	20.97	2.05
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	26.45	2.19
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	30.70	2.46
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	37.42	2.59
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	47.71	2.73
07 62 19 00-0101		Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0102		0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.52	2.05
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.08	2.19
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.41	2.46
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.53	2.59
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.31	2.73
07 62 19 00-0108		0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.53	2.05
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.19	2.19

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0111 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.09	2.46
07 62 19 00-0112 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.54	2.59
07 62 19 00-0113 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.21	2.73
07 62 19 00-0114 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.53	2.05
07 62 19 00-0116 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.53	2.19
07 62 19 00-0117 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.71	2.46
07 62 19 00-0118 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.54	2.59
07 62 19 00-0119 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	35.89	2.73
07 62 19 00-0120 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0121 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.54	2.05
07 62 19 00-0122 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.21	2.19
07 62 19 00-0123 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.89	2.46
07 62 19 00-0124 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.56	2.59
07 62 19 00-0125 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	41.25	2.73
07 62 19 00-0126 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0127 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.21	2.05
07 62 19 00-0128 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.22	2.19
07 62 19 00-0129 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.95	2.46
07 62 19 00-0130 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.90	2.59
07 62 19 00-0131 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	43.03	2.73
07 62 19 00-0132 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0133 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.56	2.05
07 62 19 00-0134 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.23	2.19
07 62 19 00-0135 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.63	2.46
07 62 19 00-0136 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	38.59	2.59
07 62 19 00-0137 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	49.28	2.73
07 62 19 00-0138 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0139 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.91	2.05
07 62 19 00-0140 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.70	2.19
07 62 19 00-0141 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.94	2.46
07 62 19 00-0142 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	45.29	2.59
07 62 19 00-0143 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	58.21	2.73
07 62 19 00-0144 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0145 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.92	2.05
07 62 19 00-0146 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	37.06	2.19
07 62 19 00-0147 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	43.30	2.46
07 62 19 00-0148 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	53.33	2.59
07 62 19 00-0149 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	68.93	2.73
07 62 19 00-0150 Galvanized Steel Drip Edge (07 62 19 00-0001)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151 Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152 26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0153 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.41	2.05
07 62 19 00-0154 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	16.44	2.19
07 62 19 00-0155 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	18.76	2.46
07 62 19 00-0156 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	22.31	2.59
07 62 19 00-0157 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	27.57	2.73
07 62 19 00-0158 24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0159 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.51	2.05
07 62 19 00-0160 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	17.90	2.19
07 62 19 00-0161 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	20.48	2.46
07 62 19 00-0162 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	24.50	2.59
07 62 19 00-0163 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	30.46	2.73
07 62 19 00-0164 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0166 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	16.68	2.05
07 62 19 00-0167 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.82	2.19
07 62 19 00-0168 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.94	2.46



Thermal And Moisture Protection			07
Flashing and Sheet Metal			07 60
Sheet Metal Flashing and Trim			07 62

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0169 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	28.84	2.59
07 62 19 00-0170 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.29	2.73
07 62 19 00-0171 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0172 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.26	2.05
07 62 19 00-0173 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.94	2.19
07 62 19 00-0174 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	26.44	2.46
07 62 19 00-0175 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.00	2.59
07 62 19 00-0176 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	40.50	2.73
07 62 19 00-0177 Stainless Steel Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178 26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0179 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	22.71	2.05
07 62 19 00-0180 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	28.78	2.19
07 62 19 00-0181 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	33.47	2.46
07 62 19 00-0182 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	40.91	2.59
07 62 19 00-0183 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	52.37	2.73
07 62 19 00-0184 24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0185 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	27.93	2.05
07 62 19 00-0186 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	35.73	2.19
07 62 19 00-0187 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	41.75	2.46
07 62 19 00-0188 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	51.34	2.59
07 62 19 00-0189 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	66.28	2.73
07 62 19 00-0190 22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0191 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	34.07	2.05
07 62 19 00-0192 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	43.91	2.19
07 62 19 00-0193 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	51.46	2.46
07 62 19 00-0194 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	63.61	2.59
07 62 19 00-0195 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	82.64	2.73
07 63 Sheet Metal Roofing Specialties (07 60)		
07 63 00 00-0001 Pitch Pockets (07 63) Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0003 EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	102.43	
For Pourable Sealer Filled, Add	41.63	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	20.82	
07 63 00 00-0004 EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	123.76	
For Pourable Sealer Filled, Add	93.71	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	46.98	
07 63 00 00-0005 EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	150.75	
For Pourable Sealer Filled, Add	166.50	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	83.06	
07 63 00 00-0006 EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	165.23	
For Pourable Sealer Filled, Add	208.13	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	104.40	
07 63 00 00-0007 EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	179.02	
For Pourable Sealer Filled, Add	249.76	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	124.90	
07 63 00 00-0008 SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	210.03	
For Pourable Sealer Filled, Add	374.63	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	186.16	
07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010 EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	99.99	
For Pourable Sealer Filled, Add	41.63	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	20.82	
07 63 00 00-0011 EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	120.57	
For Pourable Sealer Filled, Add	93.71	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	46.98	
07 63 00 00-0012 EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	147.58	
For Pourable Sealer Filled, Add	166.50	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	83.06	
07 63 00 00-0013 EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	164.81	
For Pourable Sealer Filled, Add	208.13	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	104.40	
07 63 00 00-0014 EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	178.06	
For Pourable Sealer Filled, Add	249.76	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	124.90	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0015 SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 209.22 For Pourable Sealer Filled, Add 374.63 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 186.16		
07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017 EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 129.27 For Pourable Sealer Filled, Add 41.63 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 20.82		
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 153.91 For Pourable Sealer Filled, Add 93.71 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 46.98		
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 177.33 For Pourable Sealer Filled, Add 166.50 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 83.06		
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 191.14 For Pourable Sealer Filled, Add 208.13 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 104.40		
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 204.08 For Pourable Sealer Filled, Add 249.76 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 124.90		
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket 233.02 For Pourable Sealer Filled, Add 374.63 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 186.16		
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001) Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout 89.46 For Pourable Sealer Filled, Add 41.63 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 20.82		
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout 102.01 For Pourable Sealer Filled, Add 93.71 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 46.98		
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout 118.62 For Pourable Sealer Filled, Add 166.50 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 83.06		
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout 129.24 For Pourable Sealer Filled, Add 208.13 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 104.40		
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout 139.86 For Pourable Sealer Filled, Add 249.76 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 124.90		
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout 166.29 For Pourable Sealer Filled, Add 374.63 For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add 186.16		
07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63) Note: Includes 6" skirt base.		
07 63 00 00-0031 EA 1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe 97.07	31.72	
07 63 00 00-0032 EA 1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe 97.07	31.72	
07 63 00 00-0033 EA 2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe 115.92	31.72	
07 63 00 00-0034 EA 3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe 126.69	31.72	
07 63 00 00-0035 EA 4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe 132.07	31.72	
07 63 00 00-0036 EA 4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe 134.77	31.72	
07 63 00 00-0037 EA 6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe 161.69	31.72	
07 63 00 00-0038 EA 8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe 173.81	31.72	
07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)		
07 63 00 00-0040 EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing 82.22	20.50	
07 63 00 00-0041 EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing 83.38	20.50	
07 63 00 00-0042 EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing 87.58	20.50	
07 63 00 00-0043 EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing 91.19	20.50	

07 64 Sheet Metal Wall Cladding (07 60)**07 64 19 Flat Seam Sheet Metal Wall Cladding (07 64)**

See CSI section 05 75 00 00-0000 for metal wall cladding.

07 65 Flexible Flashing (07 60)**07 65 16 Modified Bituminous Sheet Flashing (07 65)****07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)**

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002 SF 60 Mil, Urethane Elastomer Liquid Applied Flashing 16.21	2.57
Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.	



Thermal And Moisture Protection			07
Flashing and Sheet Metal			07 60
Flexible Flashing			07 65

07

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
07 65 19 Plastic Sheet Flashing (07 65)					
07 65 19 00-0001	Plastic Flashing And Trim (07 65 19)				
07 65 19 00-0002	Neoprene Flashing (07 65 19 00-0001)				
07 65 19 00-0003	60 Mil Thick (07 65 19 00-0002)				
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	11.21		3.67
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.71		3.94
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	18.63		4.34
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	22.77		4.90
07 65 33 Flexible Roof Boot (07 65)					
07 65 33 00-0001	Neoprene Roof Boot (07 65 33)				
07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	48.33		11.28
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	56.38		12.64
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	62.28		13.60
07 70 Roof and Wall Specialties and Accessories (07)					
07 71 Roof Specialties (07 70)					
07 71 13 Manufactured Copings (07 71)					
07 71 13 00-0001	Galvanized Steel Copings (07 71 13)				
07 71 13 00-0002	KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001)				
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.					
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.79		2.95
			For Up To 25 LF, Add	5.65	
			For >25 To 100 LF, Add	2.82	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	38.83		3.20
			For Up To 25 LF, Add	6.01	
			For >25 To 100 LF, Add	3.01	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	44.21		3.36
			For Up To 25 LF, Add	6.66	
			For >25 To 100 LF, Add	3.33	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	51.31		3.69
			For Up To 25 LF, Add	7.59	
			For >25 To 100 LF, Add	3.80	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	61.86		3.85
			For Up To 25 LF, Add	8.75	
			For >25 To 100 LF, Add	4.38	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0008	Aluminum Copings (07 71 13)				
07 71 13 00-0009	Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)				
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.					
07 71 13 00-0010	0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)				
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.35		2.95
			For Up To 25 LF, Add	4.90	
			For >25 To 100 LF, Add	2.45	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.34		3.20
			For Up To 25 LF, Add	5.26	
			For >25 To 100 LF, Add	2.63	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.45		3.36
			For Up To 25 LF, Add	5.89	
			For >25 To 100 LF, Add	2.94	
			For >1,000 LF, Deduct	-0.56	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 43.44		3.69
			For Up To 25 LF, Add	6.80	
			For >25 To 100 LF, Add	3.40	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 53.79		3.85
			For Up To 25 LF, Add	7.95	
			For >25 To 100 LF, Add	3.97	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0016			0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 31.80		2.95
			For Up To 25 LF, Add	5.15	
			For >25 To 100 LF, Add	2.57	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0018	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 33.94		3.20
			For Up To 25 LF, Add	5.52	
			For >25 To 100 LF, Add	2.76	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0019	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 39.53		3.36
			For Up To 25 LF, Add	6.19	
			For >25 To 100 LF, Add	3.10	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0020	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 47.17		3.69
			For Up To 25 LF, Add	7.18	
			For >25 To 100 LF, Add	3.59	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0021	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 58.53		3.85
			For Up To 25 LF, Add	8.42	
			For >25 To 100 LF, Add	4.21	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0022			0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0023	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 33.81		2.95
			For Up To 25 LF, Add	5.35	
			For >25 To 100 LF, Add	2.67	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 36.26		3.20
			For Up To 25 LF, Add	5.75	
			For >25 To 100 LF, Add	2.88	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 43.37		3.36
			For Up To 25 LF, Add	6.58	
			For >25 To 100 LF, Add	3.29	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 54.04		3.69
			For Up To 25 LF, Add	7.86	
			For >25 To 100 LF, Add	3.93	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats 69.65		3.85
			For Up To 25 LF, Add	9.53	
			For >25 To 100 LF, Add	4.77	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0028			KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats 40.35		2.95
			For Up To 25 LF, Add	6.00	
			For >25 To 100 LF, Add	3.00	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats 43.05		3.20
			For Up To 25 LF, Add	6.43	
			For >25 To 100 LF, Add	3.22	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats 50.33		3.36
			For Up To 25 LF, Add	7.27	
			For >25 To 100 LF, Add	3.64	
			For >1,000 LF, Deduct	-0.56	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.22	3.69
			For Up To 25 LF, Add	8.48	
			For >25 To 100 LF, Add	4.24	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	75.11	3.85
			For Up To 25 LF, Add	10.08	
			For >25 To 100 LF, Add	5.04	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)					
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.89	2.95
			For Up To 25 LF, Add	6.36	
			For >25 To 100 LF, Add	3.18	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.82	3.20
			For Up To 25 LF, Add	6.81	
			For >25 To 100 LF, Add	3.41	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.80	3.36
			For Up To 25 LF, Add	7.72	
			For >25 To 100 LF, Add	3.86	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	65.63	3.69
			For Up To 25 LF, Add	9.02	
			For >25 To 100 LF, Add	4.51	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	81.98	3.85
			For Up To 25 LF, Add	10.77	
			For >25 To 100 LF, Add	5.38	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)					
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.80	2.95
			For Up To 25 LF, Add	6.65	
			For >25 To 100 LF, Add	3.32	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	50.19	3.20
			For Up To 25 LF, Add	7.15	
			For >25 To 100 LF, Add	3.57	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.36	3.36
			For Up To 25 LF, Add	8.28	
			For >25 To 100 LF, Add	4.14	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	75.60	3.69
			For Up To 25 LF, Add	10.02	
			For >25 To 100 LF, Add	5.01	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	98.11	3.85
			For Up To 25 LF, Add	12.38	
			For >25 To 100 LF, Add	6.19	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)					
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.					
07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)					
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.47	2.95
			For Up To 25 LF, Add	6.22	
			For >25 To 100 LF, Add	3.11	
			For >1,000 LF, Deduct	-0.49	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.31	3.20
			For Up To 25 LF, Add	6.66	
			For >25 To 100 LF, Add	3.33	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	53.01	3.36
			For Up To 25 LF, Add	7.54	
			For >25 To 100 LF, Add	3.77	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	63.47	3.69
			For Up To 25 LF, Add	8.81	
			For >25 To 100 LF, Add	4.40	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	79.23	3.85
			For Up To 25 LF, Add	10.49	
			For >25 To 100 LF, Add	5.25	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)					
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.23	2.95
			For Up To 25 LF, Add	6.59	
			For >25 To 100 LF, Add	3.30	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.31	3.20
			For Up To 25 LF, Add	7.06	
			For >25 To 100 LF, Add	3.53	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	57.75	3.36
			For Up To 25 LF, Add	8.02	
			For >25 To 100 LF, Add	4.01	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	69.20	3.69
			For Up To 25 LF, Add	9.38	
			For >25 To 100 LF, Add	4.69	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	86.51	3.85
			For Up To 25 LF, Add	11.22	
			For >25 To 100 LF, Add	5.61	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)					
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.32	2.95
			For Up To 25 LF, Add	6.90	
			For >25 To 100 LF, Add	3.45	
			For >1,000 LF, Deduct	-0.49	
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.88	3.20
			For Up To 25 LF, Add	7.42	
			For >25 To 100 LF, Add	3.71	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	63.65	3.36
			For Up To 25 LF, Add	8.61	
			For >25 To 100 LF, Add	4.30	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	79.76	3.69
			For Up To 25 LF, Add	10.44	
			For >25 To 100 LF, Add	5.22	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	103.61	3.85
			For Up To 25 LF, Add	12.93	
			For >25 To 100 LF, Add	6.46	
			For >1,000 LF, Deduct	-0.64	

07 71 19 Manufactured Gravel Stops and Fasciae (07 71)07 71 19 00-0001 Gravel Stop (07 71 19)07 71 19 00-0002 Aluminum Gravel Stop (07 71 19 00-0001)



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	42.42	2.32
			For Up To 25 LF, Add	6.97	
			For >25 To 100 LF, Add	3.49	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.93	2.73
			For Up To 25 LF, Add	7.62	
			For >25 To 100 LF, Add	3.81	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	45.49	3.00
			For Up To 25 LF, Add	8.21	
			For >25 To 100 LF, Add	4.10	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	45.04	2.32
			For Up To 25 LF, Add	7.24	
			For >25 To 100 LF, Add	3.62	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.67	2.73
			For Up To 25 LF, Add	7.89	
			For >25 To 100 LF, Add	3.95	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.37	3.00
			For Up To 25 LF, Add	8.50	
			For >25 To 100 LF, Add	4.25	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.45	2.32
			For Up To 25 LF, Add	7.58	
			For >25 To 100 LF, Add	3.79	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	49.93	2.73
			For Up To 25 LF, Add	8.22	
			For >25 To 100 LF, Add	4.11	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	52.00	3.00
			For Up To 25 LF, Add	8.86	
			For >25 To 100 LF, Add	4.43	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	50.77	2.32
			For Up To 25 LF, Add	7.81	
			For >25 To 100 LF, Add	3.90	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	52.34	2.73
			For Up To 25 LF, Add	8.46	
			For >25 To 100 LF, Add	4.23	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	54.55	3.00
			For Up To 25 LF, Add	9.12	
			For >25 To 100 LF, Add	4.56	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022			0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	27.89	2.32
			For Up To 25 LF, Add	5.52	
			For >25 To 100 LF, Add	2.76	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.14	2.73
			For Up To 25 LF, Add	6.24	
			For >25 To 100 LF, Add	3.12	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	32.39	3.00
			For Up To 25 LF, Add	6.90	
			For >25 To 100 LF, Add	3.45	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0026			0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.07	2.32
		For Up To 25 LF, Add	5.74	
		For >25 To 100 LF, Add	2.87	
		For >1,000 LF, Deduct	-0.68	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.03	2.73
		For Up To 25 LF, Add	6.43	
		For >25 To 100 LF, Add	3.21	
		For >1,000 LF, Deduct	-0.81	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	33.85	3.00
		For Up To 25 LF, Add	7.05	
		For >25 To 100 LF, Add	3.52	
		For >1,000 LF, Deduct	-0.92	
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)				
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.25	2.32
		For Up To 25 LF, Add	5.96	
		For >25 To 100 LF, Add	2.98	
		For >1,000 LF, Deduct	-0.68	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.21	2.73
		For Up To 25 LF, Add	6.65	
		For >25 To 100 LF, Add	3.32	
		For >1,000 LF, Deduct	-0.81	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	36.21	3.00
		For Up To 25 LF, Add	7.28	
		For >25 To 100 LF, Add	3.64	
		For >1,000 LF, Deduct	-0.92	
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)				
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.61	2.32
		For Up To 25 LF, Add	6.19	
		For >25 To 100 LF, Add	3.10	
		For >1,000 LF, Deduct	-0.68	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.39	2.73
		For Up To 25 LF, Add	6.86	
		For >25 To 100 LF, Add	3.43	
		For >1,000 LF, Deduct	-0.81	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	37.96	3.00
		For Up To 25 LF, Add	7.46	
		For >25 To 100 LF, Add	3.73	
		For >1,000 LF, Deduct	-0.92	
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)				
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.48	2.32
		For Up To 25 LF, Add	7.78	
		For >25 To 100 LF, Add	3.89	
		For >1,000 LF, Deduct	-0.68	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.34	2.73
		For Up To 25 LF, Add	8.46	
		For >25 To 100 LF, Add	4.23	
		For >1,000 LF, Deduct	-0.81	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.02	3.00
		For Up To 25 LF, Add	9.06	
		For >25 To 100 LF, Add	4.53	
		For >1,000 LF, Deduct	-0.92	
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.62	2.32
		For Up To 25 LF, Add	8.09	
		For >25 To 100 LF, Add	4.05	
		For >1,000 LF, Deduct	-0.68	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.62	2.73
		For Up To 25 LF, Add	8.79	
		For >25 To 100 LF, Add	4.39	
		For >1,000 LF, Deduct	-0.81	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.45	3.00
		For Up To 25 LF, Add	9.41	
		For >25 To 100 LF, Add	4.70	
		For >1,000 LF, Deduct	-0.92	
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.72	2.32
		For Up To 25 LF, Add	8.50	
		For >25 To 100 LF, Add	4.25	
		For >1,000 LF, Deduct	-0.68	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0049	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	59.54 9.18 4.59 -0.81	2.73
07 71 19 00-0050	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	61.08 9.77 4.88 -0.92	3.00
07 71 19 00-0051			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0052	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	60.50 8.78 4.39 -0.68	2.32
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	62.43 9.47 4.73 -0.81	2.73
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	64.08 10.07 5.03 -0.92	3.00
07 71 19 00-0055			Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056			KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0057			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	47.82 7.79 3.89 -0.75	2.46
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	50.93 8.65 4.32 -0.89	2.93
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	54.43 9.48 4.74 -1.01	3.35
07 71 19 00-0061			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	50.44 8.05 4.02 -0.75	2.46
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	53.66 8.92 4.46 -0.89	2.93
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	57.31 9.77 4.89 -1.01	3.35
07 71 19 00-0065			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	53.85 8.39 4.19 -0.75	2.46
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	56.93 9.25 4.62 -0.89	2.93
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	60.94 10.13 5.07 -1.01	3.35

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 19 00-0069	0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)			
07 71 19 00-0070	LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.17		2.46
	For Up To 25 LF, Add	8.62		
	For >25 To 100 LF, Add	4.31		
	For >1,000 LF, Deduct	-0.75		
07 71 19 00-0071	LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.33		2.93
	For Up To 25 LF, Add	9.49		
	For >25 To 100 LF, Add	4.74		
	For >1,000 LF, Deduct	-0.89		
07 71 19 00-0072	LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.49		3.35
	For Up To 25 LF, Add	10.39		
	For >25 To 100 LF, Add	5.19		
	For >1,000 LF, Deduct	-1.01		
07 71 19 00-0073	Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)			
07 71 19 00-0074	0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)			
07 71 19 00-0075	LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.31		2.46
	For Up To 25 LF, Add	6.54		
	For >25 To 100 LF, Add	3.27		
	For >1,000 LF, Deduct	-0.75		
07 71 19 00-0076	LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.88		2.93
	For Up To 25 LF, Add	7.34		
	For >25 To 100 LF, Add	3.67		
	For >1,000 LF, Deduct	-0.89		
07 71 19 00-0077	LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.79		3.35
	For Up To 25 LF, Add	8.12		
	For >25 To 100 LF, Add	4.06		
	For >1,000 LF, Deduct	-1.01		
07 71 19 00-0078	0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)			
07 71 19 00-0079	LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.12		2.46
	For Up To 25 LF, Add	6.72		
	For >25 To 100 LF, Add	3.36		
	For >1,000 LF, Deduct	-0.75		
07 71 19 00-0080	LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.76		2.93
	For Up To 25 LF, Add	7.53		
	For >25 To 100 LF, Add	3.76		
	For >1,000 LF, Deduct	-0.89		
07 71 19 00-0081	LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.79		3.35
	For Up To 25 LF, Add	8.32		
	For >25 To 100 LF, Add	4.16		
	For >1,000 LF, Deduct	-1.01		
07 71 19 00-0082	0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)			
07 71 19 00-0083	LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.47		2.46
	For Up To 25 LF, Add	6.95		
	For >25 To 100 LF, Add	3.48		
	For >1,000 LF, Deduct	-0.75		
07 71 19 00-0084	LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.02		2.93
	For Up To 25 LF, Add	7.75		
	For >25 To 100 LF, Add	3.88		
	For >1,000 LF, Deduct	-0.89		
07 71 19 00-0085	LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.15		3.35
	For Up To 25 LF, Add	8.56		
	For >25 To 100 LF, Add	4.28		
	For >1,000 LF, Deduct	-1.01		
07 71 19 00-0086	0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)			
07 71 19 00-0087	LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.07		2.46
	For Up To 25 LF, Add	7.11		
	For >25 To 100 LF, Add	3.56		
	For >1,000 LF, Deduct	-0.75		
07 71 19 00-0088	LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.67		2.93
	For Up To 25 LF, Add	7.92		
	For >25 To 100 LF, Add	3.96		
	For >1,000 LF, Deduct	-0.89		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	46.90 8.73 4.37 -1.01	3.35
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	55.88 8.59 4.30 -0.75	2.46
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	59.34 9.49 4.74 -0.89	2.93
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	62.96 10.34 5.17 -1.01	3.35
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	59.02 8.91 4.45 -0.75	2.46
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	62.62 9.81 4.91 -0.89	2.93
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	66.39 10.68 5.34 -1.01	3.35
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	63.12 9.32 4.66 -0.75	2.46
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	66.54 10.21 5.10 -0.89	2.93
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	70.02 11.04 5.52 -1.01	3.35
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	65.90 9.59 4.80 -0.75	2.46
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	69.42 10.49 5.25 -0.89	2.93
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	73.02 11.34 5.67 -1.01	3.35
07 71 19 00-0107			Stainless Steel Gravel Stop (07 71 19 00-0001)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 19 00-0108	Stainless Steel Gravel Stop (07 71 19 00-0107)				
07 71 19 00-0109	26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)				
07 71 19 00-0110	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	40.68		2.32	
	For Up To 25 LF, Add	6.80			
	For >25 To 100 LF, Add	3.40			
	For >1,000 LF, Deduct	-0.68			
07 71 19 00-0111	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	53.36		2.73	
	For Up To 25 LF, Add	8.56			
	For >25 To 100 LF, Add	4.28			
	For >1,000 LF, Deduct	-0.81			
07 71 19 00-0112	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	78.89		3.00	
	For Up To 25 LF, Add	11.55			
	For >25 To 100 LF, Add	5.77			
	For >1,000 LF, Deduct	-0.92			
07 71 19 00-0113	24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)				
07 71 19 00-0114	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	50.49		2.32	
	For Up To 25 LF, Add	7.78			
	For >25 To 100 LF, Add	3.89			
	For >1,000 LF, Deduct	-0.68			
07 71 19 00-0115	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	66.45		2.73	
	For Up To 25 LF, Add	9.87			
	For >25 To 100 LF, Add	4.93			
	For >1,000 LF, Deduct	-0.81			
07 71 19 00-0116	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	98.52		3.00	
	For Up To 25 LF, Add	13.51			
	For >25 To 100 LF, Add	6.76			
	For >1,000 LF, Deduct	-0.92			
07 71 19 00-0117	22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)				
07 71 19 00-0118	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	60.92		2.32	
	For Up To 25 LF, Add	8.82			
	For >25 To 100 LF, Add	4.41			
	For >1,000 LF, Deduct	-0.68			
07 71 19 00-0119	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	80.35		2.73	
	For Up To 25 LF, Add	11.26			
	For >25 To 100 LF, Add	5.63			
	For >1,000 LF, Deduct	-0.81			
07 71 19 00-0120	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	119.38		3.00	
	For Up To 25 LF, Add	15.60			
	For >25 To 100 LF, Add	7.80			
	For >1,000 LF, Deduct	-0.92			
07 71 19 00-0121	Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)				
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0122	26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)				
07 71 19 00-0123	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	48.00		2.46	
	For Up To 25 LF, Add	7.80			
	For >25 To 100 LF, Add	3.90			
	For >1,000 LF, Deduct	-0.75			
07 71 19 00-0124	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	62.87		2.93	
	For Up To 25 LF, Add	9.84			
	For >25 To 100 LF, Add	4.92			
	For >1,000 LF, Deduct	-0.89			
07 71 19 00-0125	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	91.08		3.35	
	For Up To 25 LF, Add	13.15			
	For >25 To 100 LF, Add	6.57			
	For >1,000 LF, Deduct	-1.01			
07 71 19 00-0126	24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)				
07 71 19 00-0127	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	57.82		2.46	
	For Up To 25 LF, Add	8.79			
	For >25 To 100 LF, Add	4.39			
	For >1,000 LF, Deduct	-0.75			
07 71 19 00-0128	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	75.96		2.93	
	For Up To 25 LF, Add	11.15			
	For >25 To 100 LF, Add	5.57			
	For >1,000 LF, Deduct	-0.89			
07 71 19 00-0129	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	110.72		3.35	
	For Up To 25 LF, Add	15.11			
	For >25 To 100 LF, Add	7.56			
	For >1,000 LF, Deduct	-1.01			
07 71 19 00-0130	22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)				



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	68.25 9.83 4.91 -0.75	2.46
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	89.86 12.54 6.27 -0.89	2.93
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	131.58 17.20 8.60 -1.01	3.35
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	38.95 6.63 3.31 -0.68	2.32
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	40.41 7.27 3.63 -0.81	2.73
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	42.13 7.87 3.94 -0.92	3.00
07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	44.50 7.45 3.73 -0.75	2.46
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	47.60 8.31 4.16 -0.89	2.93
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	51.33 9.17 4.59 -1.01	3.35
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	64.76 9.21 4.60 -0.68	2.32
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	74.18 10.64 5.32 -0.81	2.73
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	85.68 12.23 6.11 -0.92	3.00
07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	78.50 10.58 5.29 -0.68	2.32

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	90.97	2.73
			For Up To 25 LF, Add	12.32	
			For >25 To 100 LF, Add	6.16	
			For >1,000 LF, Deduct	-0.81	
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	104.00	3.00
			For Up To 25 LF, Add	14.06	
			For >25 To 100 LF, Add	7.03	
			For >1,000 LF, Deduct	-0.92	
07 71 19 00-0157			Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158			20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	67.43	2.46
			For Up To 25 LF, Add	9.75	
			For >25 To 100 LF, Add	4.87	
			For >1,000 LF, Deduct	-0.75	
07 71 19 00-0160	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	77.59	2.93
			For Up To 25 LF, Add	11.31	
			For >25 To 100 LF, Add	5.66	
			For >1,000 LF, Deduct	-0.89	
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	89.99	3.35
			For Up To 25 LF, Add	13.04	
			For >25 To 100 LF, Add	6.52	
			For >1,000 LF, Deduct	-1.01	
07 71 19 00-0162			16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	81.17	2.46
			For Up To 25 LF, Add	11.12	
			For >25 To 100 LF, Add	5.56	
			For >1,000 LF, Deduct	-0.75	
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	94.39	2.93
			For Up To 25 LF, Add	12.99	
			For >25 To 100 LF, Add	6.50	
			For >1,000 LF, Deduct	-0.89	
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	108.31	3.35
			For Up To 25 LF, Add	14.87	
			For >25 To 100 LF, Add	7.44	
			For >1,000 LF, Deduct	-1.01	
07 71 19 00-0166			Fascia (07 71 19)		
07 71 19 00-0167			Snap-On Cover Fascia (07 71 19 00-0166)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169			KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170			24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	47.48	3.42
			For Up To 25 LF, Add	7.48	
			For >25 To 100 LF, Add	3.74	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	53.36	3.55
			For Up To 25 LF, Add	8.18	
			For >25 To 100 LF, Add	4.09	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	57.14	3.69
			For Up To 25 LF, Add	8.67	
			For >25 To 100 LF, Add	4.33	
			For >1,000 LF, Deduct	-0.74	
07 71 19 00-0174			Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175			Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	327.20	4.78
			For Up To 25 LF, Add	36.54	
			For >25 To 100 LF, Add	18.27	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	349.42	4.78
			For Up To 25 LF, Add	38.77	
			For >25 To 100 LF, Add	19.38	
			For >1,000 LF, Deduct	-0.96	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	363.38 40.16 20.08 -0.96	4.78
07 71 19 00-0179			Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	266.69 30.49 15.25 -0.96	4.78
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	277.91 31.62 15.81 -0.96	4.78
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	284.74 32.30 16.15 -0.96	4.78
07 71 19 00-0183			Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184			KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185			0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	25.04 5.24 2.62 -0.68	3.42
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	28.18 5.66 2.83 -0.71	3.55
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	29.87 5.94 2.97 -0.74	3.69
07 71 19 00-0189			0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	26.23 5.36 2.68 -0.68	3.42
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	29.71 5.81 2.91 -0.71	3.55
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	31.59 6.11 3.06 -0.74	3.69
07 71 19 00-0193			Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194			Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	154.44 19.27 9.63 -0.96	4.78
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems..... <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	167.31 20.56 10.28 -0.96	4.78

07 Thermal And Moisture Protection**07 70 Roof and Wall Specialties and Accessories****07 71 Roof Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 19 00-0197	EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	172.94 21.12 10.56 -0.96		4.78	
07 71 19 00-0198	Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)				
07 71 19 00-0199	EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	122.72 16.10 8.05 -0.96		4.78	
07 71 19 00-0200	EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	129.13 16.74 8.37 -0.96		4.78	
07 71 19 00-0201	EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	131.94 17.02 8.51 -0.96		4.78	
07 71 19 00-0202	Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)				
07 71 19 00-0203	0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)				
07 71 19 00-0204	LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	28.68 5.60 2.80 -0.68		3.42	
07 71 19 00-0205	LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	32.39 6.08 3.04 -0.71		3.55	
07 71 19 00-0206	LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	34.37 6.39 3.19 -0.74		3.69	
07 71 19 00-0207	0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)				
07 71 19 00-0208	LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	30.11 5.74 2.87 -0.68		3.42	
07 71 19 00-0209	LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	34.23 6.26 3.13 -0.71		3.55	
07 71 19 00-0210	LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	36.43 6.60 3.30 -0.74		3.69	
07 71 19 00-0211	Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)				
07 71 19 00-0212	Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)				
07 71 19 00-0213	EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	190.67 22.89 11.45 -0.96		4.78	
07 71 19 00-0214	EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	206.75 24.50 12.25 -0.96		4.78	
07 71 19 00-0215	EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	213.78 25.20 12.60 -0.96		4.78	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0216			Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217	EA		Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	151.01	4.78
			For Up To 25 LF, Add	18.93	
			For >25 To 100 LF, Add	9.46	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	159.03	4.78
			For Up To 25 LF, Add	19.73	
			For >25 To 100 LF, Add	9.86	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	162.53	4.78
			For Up To 25 LF, Add	20.08	
			For >25 To 100 LF, Add	10.04	
			For >1,000 LF, Deduct	-0.96	
07 71 23			Manufactured Gutters and Downspouts (07 71)		
			Note: Includes all necessary support straps.		
07 71 23 00-0001			Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002			Aluminum Gutters (07 71 23 00-0001)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003			K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004	LF		5", 0.027" Thick, K-Style Aluminum Gutter	11.11	4.91
			For Up To 100', Add	2.32	
			For >100' To 250', Add	0.96	
			For >1,000', Deduct	-0.81	
			For Kynar 500® Finish, Add	1.36	
07 71 23 00-0005	LF		6", 0.027" Thick, K-Style Aluminum Gutter	12.35	5.17
			For Up To 100', Add	2.51	
			For >100' To 250', Add	1.04	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	1.74	
07 71 23 00-0006	LF		5", 0.032" Thick, K-Style Aluminum Gutter	11.55	4.91
			For Up To 100', Add	2.37	
			For >100' To 250', Add	0.98	
			For >1,000', Deduct	-0.81	
			For Kynar 500® Finish, Add	1.56	
07 71 23 00-0007	LF		6", 0.032" Thick, K-Style Aluminum Gutter	12.91	5.17
			For Up To 100', Add	2.56	
			For >100' To 250', Add	1.07	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	1.99	
07 71 23 00-0008	LF		7", 0.032" Thick, K-Style Aluminum Gutter	23.42	5.44
			For Up To 100', Add	3.71	
			For >100' To 250', Add	1.63	
			For >1,000', Deduct	-0.92	
			For Kynar 500® Finish, Add	6.42	
07 71 23 00-0009	LF		8", 0.032" Thick, K-Style Aluminum Gutter	25.68	6.11
			For Up To 100', Add	4.08	
			For >100' To 250', Add	1.79	
			For >1,000', Deduct	-1.01	
			For Kynar 500® Finish, Add	7.02	
07 71 23 00-0010	LF		8", 0.040" Thick, K-Style Aluminum Gutter	28.69	6.11
			For Up To 100', Add	4.38	
			For >100' To 250', Add	1.94	
			For >1,000', Deduct	-1.01	
			For Kynar 500® Finish, Add	8.37	
07 71 23 00-0011			Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF		5", 0.027" Thick, Half Round Aluminum Gutter	19.83	4.91
			For Up To 100', Add	3.20	
			For >100' To 250', Add	1.40	
			For >1,000', Deduct	-0.81	
			For Kynar 500® Finish, Add	5.28	
07 71 23 00-0013	LF		6", 0.032" Thick, Half Round Aluminum Gutter	23.78	5.17
			For Up To 100', Add	3.65	
			For >100' To 250', Add	1.61	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	6.88	
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0015	LF	6"	0.027" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	20.98 3.61 1.55 -1.01 4.91	6.11
07 71 23 00-0016	LF	6"	0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	21.03 3.62 1.56 -1.01 4.93	6.11
07 71 23 00-0017	LF	7"	0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	24.39 4.05 1.76 -1.07 6.14	6.50
07 71 23 00-0018	LF	8"	0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	27.48 4.46 1.94 -1.14 7.23	6.90
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA	5"	K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	3.71 0.47	
07 71 23 00-0022	EA	6"	K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	4.56 0.86	
07 71 23 00-0023	EA	7"	K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	9.76 3.20	
07 71 23 00-0024	EA	8"	K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	11.35 3.91	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA	5"	Half Round Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	5.89 1.45	
07 71 23 00-0027	EA	6"	Half Round Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	9.05 2.88	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6"	Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	10.63 3.59	
07 71 23 00-0030	EA	7"	Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	11.54 4.00	
07 71 23 00-0031	EA	8"	Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	13.53 4.89	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5"	K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	21.71 3.74	
07 71 23 00-0035	EA	6"	K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	28.71 6.47	
07 71 23 00-0036	EA	7"	K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	84.48 31.15	
07 71 23 00-0037	EA	8"	K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	91.68 33.91	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5"	Half Round Aluminum Gutter Miter..... For Kynar 500® Finish, Add	36.96 10.60	
07 71 23 00-0040	EA	6"	Half Round Aluminum Gutter Miter..... For Kynar 500® Finish, Add	57.72 19.53	
07 71 23 00-0041			Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042	EA	6"	Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	68.57 24.41	
07 71 23 00-0043	EA	7"	Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	101.79 38.94	
07 71 23 00-0044	EA	8"	Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	110.52 42.39	
07 71 23 00-0045			Aluminum Gutter Wire Strainers (07 71 23 00-0001)		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0046	EA		3" Diameter, Round Aluminum Wire Strainer..... For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	16.70 4.41 1.37 2.84 4.11	3.32
07 71 23 00-0047	EA		4" Diameter, Round Aluminum Wire Strainer..... For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	24.94 8.11 2.52 5.23 7.57	3.32
07 71 23 00-0048			Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049			Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050	LF		3" Diameter, 0.019" Thick, Round Aluminum Downspout..... For Up To 100'; Add For >100 To 250'; Add For >1,000'; Deduct For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	7.59 1.28 0.55 -0.35 1.86 0.58 1.20 1.74	3.19
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout..... For Up To 100'; Add For >100 To 250'; Add For >1,000'; Deduct For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	8.56 1.37 0.60 -0.35 2.30 0.72 1.48 2.15	3.19
07 71 23 00-0052			Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout..... For Up To 100'; Add For >100 To 250'; Add For >1,000'; Deduct For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	5.57 1.07 0.45 -0.35 0.95 0.30 0.61 0.89	3.19
07 71 23 00-0054	LF		3" x 4", 0.019" Thick, Rectangular Aluminum Downspout..... For Up To 100'; Add For >100 To 250'; Add For >1,000'; Deduct For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	6.81 1.20 0.51 -0.35 1.51 0.47 0.97 1.41	3.19
07 71 23 00-0055	LF		4" x 5", 0.019" Thick, Rectangular Aluminum Downspout..... For Up To 100'; Add For >100 To 250'; Add For >1,000'; Deduct For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	12.01 1.72 0.77 -0.35 3.85 1.20 2.48 3.60	3.19
07 71 23 00-0056			Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057	EA		Thru-Wall Aluminum Scupper Outlet..... For Kynar 500® Finish, Add	295.15 86.94	30.58
07 71 23 00-0058	EA		Aluminum Leader/Conductor Head..... For Kynar 500® Finish, Add	248.26 81.14	33.99
07 71 23 00-0059			Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060			Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061			K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter..... For Up To 100'; Add For >100' To 250'; Add For >1,000'; Deduct	19.02 3.06 1.34 -0.77	4.65
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter..... For Up To 100'; Add For >100' To 250'; Add For >1,000'; Deduct	26.49 3.86 1.73 -0.81	4.91
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter..... For Up To 100'; Add For >100' To 250'; Add For >1,000'; Deduct	31.41 4.41 2.00 -0.85	5.17

07 Thermal And Moisture Protection**07 70 Roof and Wall Specialties and Accessories****07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	33.10	4.91	
		For Up To 100', Add	4.52		
		For >100' To 250', Add	2.06		
		For >1,000', Deduct	-0.81		
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	40.77	5.17	
		For Up To 100', Add	5.35		
		For >100' To 250', Add	2.46		
		For >1,000', Deduct	-0.85		
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	47.47	5.44	
		For Up To 100', Add	6.12		
		For >100' To 250', Add	2.83		
		For >1,000', Deduct	-0.92		
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	52.76	6.11	
		For Up To 100', Add	6.79		
		For >100' To 250', Add	3.14		
		For >1,000', Deduct	-1.01		
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)					
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	23.04	4.91	
		For Up To 100', Add	3.52		
		For >100' To 250', Add	1.56		
		For >1,000', Deduct	-0.81		
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	28.84	5.17	
		For Up To 100', Add	4.16		
		For >100' To 250', Add	1.87		
		For >1,000', Deduct	-0.85		
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	47.47	5.44	
		For Up To 100', Add	6.12		
		For >100' To 250', Add	2.83		
		For >1,000', Deduct	-0.92		
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	26.65	4.91	
		For Up To 100', Add	3.88		
		For >100' To 250', Add	1.74		
		For >1,000', Deduct	-0.81		
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	32.68	5.17	
		For Up To 100', Add	4.54		
		For >100' To 250', Add	2.06		
		For >1,000', Deduct	-0.85		
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	49.81	5.44	
		For Up To 100', Add	6.35		
		For >100' To 250', Add	2.95		
		For >1,000', Deduct	-0.92		
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	56.53	6.11	
		For Up To 100', Add	7.17		
		For >100' To 250', Add	3.33		
		For >1,000', Deduct	-1.01		
07 71 23 00-0077 Box Style Copper Gutters (07 71 23 00-0060)					
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	29.18	5.57	
		For Up To 100', Add	4.31		
		For >100' To 250', Add	1.92		
		For >1,000', Deduct	-0.93		
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	31.67	6.11	
		For Up To 100', Add	4.68		
		For >100' To 250', Add	2.09		
		For >1,000', Deduct	-1.01		
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	38.30	6.50	
		For Up To 100', Add	5.44		
		For >100' To 250', Add	2.45		
		For >1,000', Deduct	-1.07		
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	39.11	6.90	
		For Up To 100', Add	5.62		
		For >100' To 250', Add	2.53		
		For >1,000', Deduct	-1.14		
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	32.71	5.57	
		For Up To 100', Add	4.66		
		For >100' To 250', Add	2.10		
		For >1,000', Deduct	-0.93		
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	35.19	6.11	
		For Up To 100', Add	5.03		
		For >100' To 250', Add	2.26		
		For >1,000', Deduct	-1.01		
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	41.83	6.50	
		For Up To 100', Add	5.79		
		For >100' To 250', Add	2.63		
		For >1,000', Deduct	-1.07		
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	42.64	6.90	
		For Up To 100', Add	5.98		
		For >100' To 250', Add	2.70		
		For >1,000', Deduct	-1.14		
07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)					



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0087 K-Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0088 EA 4", K-Style Copper Gutter End Cap	6.56	
07 71 23 00-0089 EA 5", K-Style Copper Gutter End Cap	7.00	
07 71 23 00-0090 EA 6", K-Style Copper Gutter End Cap	7.43	
07 71 23 00-0091 EA 7", K-Style Copper Gutter End Cap	18.98	
07 71 23 00-0092 EA 8", K-Style Copper Gutter End Cap	23.03	
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0094 EA 4", Half Round Copper Gutter End Cap	7.84	
07 71 23 00-0095 EA 5", Half Round Copper Gutter End Cap	8.76	
07 71 23 00-0096 EA 6", Half Round Copper Gutter End Cap	12.99	
07 71 23 00-0097 EA 7", Half Round Copper Gutter End Cap	38.15	
07 71 23 00-0098 EA 8", Half Round Copper Gutter End Cap	44.97	
07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0100 EA 5", Box Style Copper Gutter End Cap	14.65	
07 71 23 00-0101 EA 6", Box Style Copper Gutter End Cap	15.35	
07 71 23 00-0102 EA 7", Box Style Copper Gutter End Cap	16.06	
07 71 23 00-0103 EA 8", Box Style Copper Gutter End Cap	17.47	
07 71 23 00-0104 Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0105 K-Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0106 EA 4", K-Style Copper Gutter Miter	41.42	
07 71 23 00-0107 EA 5", K-Style Copper Gutter Miter	46.79	
07 71 23 00-0108 EA 6", K-Style Copper Gutter Miter	66.50	
07 71 23 00-0109 EA 7", K-Style Copper Gutter Miter	93.21	
07 71 23 00-0110 EA 8", K-Style Copper Gutter Miter	109.08	
07 71 23 00-0111 Half Round, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0112 EA 4", Half Round Copper Gutter Miter	63.47	
07 71 23 00-0113 EA 5", Half Round Copper Gutter Miter	59.01	
07 71 23 00-0114 EA 6", Half Round Copper Gutter Miter	84.18	
07 71 23 00-0115 EA 7", Half Round Copper Gutter Miter	100.08	
07 71 23 00-0116 EA 8", Half Round Copper Gutter Miter	117.97	
07 71 23 00-0117 Box Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0118 EA 5", 16 Ounce Box Style Copper Gutter Miter	69.75	
07 71 23 00-0119 EA 6", 16 Ounce Box Style Copper Gutter Miter	72.09	
07 71 23 00-0120 EA 7", 16 Ounce Box Style Copper Gutter Miter	78.66	
07 71 23 00-0121 EA 8", 16 Ounce Box Style Copper Gutter Miter	80.37	
07 71 23 00-0122 EA 5", 20 Ounce Box Style Copper Gutter Miter	76.80	
07 71 23 00-0123 EA 6", 20 Ounce Box Style Copper Gutter Miter	79.14	
07 71 23 00-0124 EA 7", 20 Ounce Box Style Copper Gutter Miter	85.71	
07 71 23 00-0125 EA 8", 20 Ounce Box Style Copper Gutter Miter	93.82	
07 71 23 00-0126 Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0127 EA 2" Diameter, Round Copper Wire Strainer	21.72	3.32
07 71 23 00-0128 EA 3" Diameter, Round Copper Wire Strainer	26.59	3.32
07 71 23 00-0129 EA 4" Diameter, Round Copper Wire Strainer	42.48	3.32
07 71 23 00-0130 EA 5" Diameter, Round Copper Wire Strainer	56.31	3.32
07 71 23 00-0131 EA 6" Diameter, Round Copper Wire Strainer	67.90	3.32
07 71 23 00-0132 Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133 Round Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0134 LF 2" Diameter, 16 Ounce, Round Copper Downspout	25.81	3.19
For Up To 100', Add	3.10	
For >100 To 250', Add	1.46	
For >1,000', Deduct	-0.35	
07 71 23 00-0135 LF 3" Diameter, 16 Ounce, Round Copper Downspout	18.18	3.19
For Up To 100', Add	2.34	
For >100 To 250', Add	1.08	
For >1,000', Deduct	-0.35	
07 71 23 00-0136 LF 4" Diameter, 16 Ounce, Round Copper Downspout	22.74	3.19
For Up To 100', Add	2.79	
For >100 To 250', Add	1.31	
For >1,000', Deduct	-0.35	
07 71 23 00-0137 LF 5" Diameter, 16 Ounce, Round Copper Downspout	35.95	3.19
For Up To 100', Add	4.11	
For >100 To 250', Add	1.97	
For >1,000', Deduct	-0.35	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0138	LF		6" Diameter, 16 Ounce, Round Copper Downspout	46.03	3.19
			For Up To 100', Add	5.12	
			For >100 To 250', Add	2.47	
			For >1,000', Deduct	-0.35	
07 71 23 00-0139	LF		3" Diameter, 20 Ounce, Round Copper Downspout	24.36	3.19
			For Up To 100', Add	2.95	
			For >100 To 250', Add	1.39	
			For >1,000', Deduct	-0.35	
07 71 23 00-0140	LF		4" Diameter, 20 Ounce, Round Copper Downspout	31.41	3.19
			For Up To 100', Add	3.66	
			For >100 To 250', Add	1.74	
			For >1,000', Deduct	-0.35	
07 71 23 00-0141	LF		5" Diameter, 20 Ounce, Round Copper Downspout	47.41	3.19
			For Up To 100', Add	5.26	
			For >100 To 250', Add	2.54	
			For >1,000', Deduct	-0.35	
07 71 23 00-0142 Square Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout	12.80	3.19
			For Up To 100', Add	1.80	
			For >100 To 250', Add	0.81	
			For >1,000', Deduct	-0.35	
07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout	15.83	3.19
			For Up To 100', Add	2.10	
			For >100 To 250', Add	0.96	
			For >1,000', Deduct	-0.35	
07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout	22.37	3.19
			For Up To 100', Add	2.75	
			For >100 To 250', Add	1.29	
			For >1,000', Deduct	-0.35	
07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout	14.67	3.19
			For Up To 100', Add	1.98	
			For >100 To 250', Add	0.91	
			For >1,000', Deduct	-0.35	
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout	18.45	3.19
			For Up To 100', Add	2.36	
			For >100 To 250', Add	1.10	
			For >1,000', Deduct	-0.35	
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout	26.22	3.19
			For Up To 100', Add	3.14	
			For >100 To 250', Add	1.48	
			For >1,000', Deduct	-0.35	
07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	18.65	3.19
			For Up To 100', Add	2.38	
			For >100 To 250', Add	1.11	
			For >1,000', Deduct	-0.35	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	23.42	3.19
			For Up To 100', Add	2.86	
			For >100 To 250', Add	1.34	
			For >1,000', Deduct	-0.35	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	33.03	3.19
			For Up To 100', Add	3.82	
			For >100 To 250', Add	1.82	
			For >1,000', Deduct	-0.35	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	21.61	3.19
			For Up To 100', Add	2.68	
			For >100 To 250', Add	1.25	
			For >1,000', Deduct	-0.35	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	27.52	3.19
			For Up To 100', Add	3.27	
			For >100 To 250', Add	1.55	
			For >1,000', Deduct	-0.35	
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout	39.22	3.19
			For Up To 100', Add	4.44	
			For >100 To 250', Add	2.13	
			For >1,000', Deduct	-0.35	
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)					
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	229.24	30.58
07 71 23 00-0158	EA		Copper Leader/Conductor Head.....	310.30	33.99
07 71 23 00-0159	EA		Copper Eave Box.....	138.79	19.90
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)					
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)					
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.					
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)					



Thermal And Moisture Protection			07	07
Roof and Wall Specialties and Accessories			07 70	
Roof Specialties			07 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0163	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter	15.17	4.91
			For Up To 100', Add	2.73	
			For >100' To 250', Add	1.16	
			For >1,000', Deduct	-0.81	
			For Kynar 500® Finish, Add	3.19	
			For 24 Gauge, Add	1.98	
			For 22 Gauge, Add	3.89	
07 71 23 00-0164	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter	17.73	5.17
			For Up To 100', Add	3.05	
			For >100' To 250', Add	1.31	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	4.16	
			For 24 Gauge, Add	2.59	
			For 22 Gauge, Add	5.08	
07 71 23 00-0165	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter	37.57	5.44
			For Up To 100', Add	5.13	
			For >100' To 250', Add	2.34	
			For >1,000', Deduct	-0.92	
			For Kynar 500® Finish, Add	12.79	
			For 24 Gauge, Add	7.96	
			For 22 Gauge, Add	15.63	
07 71 23 00-0166	LF		8", 26 Gauge, K-Style Galvanized Steel Gutter	39.58	6.11
			For Up To 100', Add	5.47	
			For >100' To 250', Add	2.48	
			For >1,000', Deduct	-1.01	
			For Kynar 500® Finish, Add	13.28	
			For 24 Gauge, Add	8.26	
			For 22 Gauge, Add	16.23	
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0168	LF		5", 26 Gauge, Half Round Galvanized Steel Gutter	22.48	4.91
			For Up To 100', Add	3.46	
			For >100' To 250', Add	1.53	
			For >1,000', Deduct	-0.81	
			For Kynar 500® Finish, Add	6.48	
			For 24 Gauge, Add	4.03	
			For 22 Gauge, Add	7.91	
07 71 23 00-0169	LF		6", 26 Gauge, Half Round Galvanized Steel Gutter	28.49	5.17
			For Up To 100', Add	4.12	
			For >100' To 250', Add	1.85	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	9.00	
			For 24 Gauge, Add	5.60	
			For 22 Gauge, Add	11.00	
07 71 23 00-0170	LF		7", 26 Gauge, Half Round Galvanized Steel Gutter	72.86	5.44
			For Up To 100', Add	8.66	
			For >100' To 250', Add	4.10	
			For >1,000', Deduct	-0.92	
			For Kynar 500® Finish, Add	28.67	
			For 24 Gauge, Add	17.84	
			For 22 Gauge, Add	35.04	
07 71 23 00-0171	LF		8", 26 Gauge, Half Round Galvanized Steel Gutter	77.71	6.11
			For Up To 100', Add	9.28	
			For >100' To 250', Add	4.39	
			For >1,000', Deduct	-1.01	
			For Kynar 500® Finish, Add	30.43	
			For 24 Gauge, Add	18.94	
			For 22 Gauge, Add	37.20	
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0173	LF		5", 24 Gauge, Box Style Galvanized Steel Gutter	26.94	5.57
			For Up To 100', Add	4.09	
			For >100' To 250', Add	1.81	
			For >1,000', Deduct	-0.93	
			For Kynar 500® Finish, Add	7.94	
			For 22 Gauge, Add	3.88	
07 71 23 00-0174	LF		6", 24 Gauge, Box Style Galvanized Steel Gutter	31.69	6.11
			For Up To 100', Add	4.68	
			For >100' To 250', Add	2.09	
			For >1,000', Deduct	-1.01	
			For Kynar 500® Finish, Add	9.72	
			For 22 Gauge, Add	4.75	
07 71 23 00-0175	LF		7", 24 Gauge, Box Style Galvanized Steel Gutter	40.38	5.44
			For Up To 100', Add	5.41	
			For >100' To 250', Add	2.48	
			For >1,000', Deduct	-0.92	
			For Kynar 500® Finish, Add	14.05	
			For 22 Gauge, Add	6.87	
07 71 23 00-0176	LF		8", 24 Gauge, Box Style Galvanized Steel Gutter	44.74	6.90
			For Up To 100', Add	6.19	
			For >100' To 250', Add	2.81	
			For >1,000', Deduct	-1.14	
			For Kynar 500® Finish, Add	15.00	
			For 22 Gauge, Add	7.33	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 23 00-0177	Galvanized Steel Gutter End Caps (07 71 23 00-0160)				
07 71 23 00-0178	K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)				
07 71 23 00-0179	EA 5", K-Style Galvanized Steel Gutter End Cap.....	6.90			
	For Kynar 500® Finish, Add.....	1.91			
07 71 23 00-0180	EA 6", K-Style Galvanized Steel Gutter End Cap.....	8.02			
	For Kynar 500® Finish, Add.....	2.41			
07 71 23 00-0181	EA 7", K-Style Galvanized Steel Gutter End Cap.....	17.91			
	For Kynar 500® Finish, Add.....	6.86			
07 71 23 00-0182	EA 8", K-Style Galvanized Steel Gutter End Cap.....	26.18			
	For Kynar 500® Finish, Add.....	10.58			
07 71 23 00-0183	Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)				
07 71 23 00-0184	EA 5", Half Round Galvanized Steel Gutter End Cap.....	9.00			
	For Kynar 500® Finish, Add.....	2.85			
07 71 23 00-0185	EA 6", Half Round Galvanized Steel Gutter End Cap.....	10.42			
	For Kynar 500® Finish, Add.....	3.49			
07 71 23 00-0186	EA 7", Half Round Galvanized Steel Gutter End Cap.....	19.81			
	For Kynar 500® Finish, Add.....	7.72			
07 71 23 00-0187	EA 8", Half Round Galvanized Steel Gutter End Cap.....	26.93			
	For Kynar 500® Finish, Add.....	10.92			
07 71 23 00-0188	Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)				
07 71 23 00-0189	EA 5", Box Style Galvanized Steel Gutter End Cap.....	16.49			
	For Kynar 500® Finish, Add.....	6.22			
07 71 23 00-0190	EA 6", Box Style Galvanized Steel Gutter End Cap.....	19.95			
	For Kynar 500® Finish, Add.....	7.78			
07 71 23 00-0191	EA 7", Box Style Galvanized Steel Gutter End Cap.....	22.40			
	For Kynar 500® Finish, Add.....	8.88			
07 71 23 00-0192	EA 8", Box Style Galvanized Steel Gutter End Cap.....	30.16			
	For Kynar 500® Finish, Add.....	12.38			
07 71 23 00-0193	Galvanized Steel Gutter Miters (07 71 23 00-0160)				
	Note: Inside or outside miters.				
07 71 23 00-0194	K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)				
07 71 23 00-0195	EA 5", K-Style Galvanized Steel Gutter Miter.....	42.13			
	For Kynar 500® Finish, Add.....	12.93			
07 71 23 00-0196	EA 6", K-Style Galvanized Steel Gutter Miter.....	69.30			
	For Kynar 500® Finish, Add.....	24.74			
07 71 23 00-0197	EA 7", K-Style Galvanized Steel Gutter Miter.....	111.93			
	For Kynar 500® Finish, Add.....	43.50			
07 71 23 00-0198	EA 8", K-Style Galvanized Steel Gutter Miter.....	125.93			
	For Kynar 500® Finish, Add.....	49.32			
07 71 23 00-0199	Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)				
07 71 23 00-0200	EA 5", Half Round Galvanized Steel Gutter Miter.....	58.37			
	For Kynar 500® Finish, Add.....	20.24			
07 71 23 00-0201	EA 6", Half Round Galvanized Steel Gutter Miter.....	65.71			
	For Kynar 500® Finish, Add.....	23.12			
07 71 23 00-0202	EA 7", Half Round Galvanized Steel Gutter Miter.....	189.97			
	For Kynar 500® Finish, Add.....	78.62			
07 71 23 00-0203	EA 8", Half Round Galvanized Steel Gutter Miter.....	200.74			
	For Kynar 500® Finish, Add.....	82.99			
07 71 23 00-0204	Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)				
07 71 23 00-0205	EA 5", Box Style Galvanized Steel Gutter Miter.....	55.12			
	For Kynar 500® Finish, Add.....	18.77			
07 71 23 00-0206	EA 6", Box Style Galvanized Steel Gutter Miter.....	90.80			
	For Kynar 500® Finish, Add.....	34.41			
07 71 23 00-0207	EA 7", Box Style Galvanized Steel Gutter Miter.....	118.40			
	For Kynar 500® Finish, Add.....	46.41			
07 71 23 00-0208	EA 8", Box Style Galvanized Steel Gutter Miter.....	125.93			
	For Kynar 500® Finish, Add.....	49.32			
07 71 23 00-0209	Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)				
07 71 23 00-0210	EA 3" Diameter, Round Galvanized Steel Wire Strainer.....	14.70		3.32	
	For Kynar 500® Finish, Add.....	3.51			
07 71 23 00-0211	EA 4" Diameter, Round Galvanized Steel Wire Strainer.....	21.35		3.32	
	For Kynar 500® Finish, Add.....	6.50			
07 71 23 00-0212	Galvanized Steel Downspouts (07 71 23 00-0160)				
	Note: Includes elbows, hangers and fasteners.				



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0213		Round Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.62	3.19
		For Up To 100'; Add	1.38	
		For >100 To 250'; Add	0.60	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	2.33	
		For 24 Gauge, Add	1.45	
		For 22 Gauge, Add	2.84	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	10.83	3.19
		For Up To 100'; Add	1.60	
		For >100 To 250'; Add	0.71	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	3.32	
		For 24 Gauge, Add	2.07	
		For 22 Gauge, Add	4.06	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	14.92	3.19
		For Up To 100'; Add	2.01	
		For >100 To 250'; Add	0.92	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	5.16	
		For 24 Gauge, Add	3.21	
		For 22 Gauge, Add	6.31	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	33.79	3.19
		For Up To 100'; Add	3.90	
		For >100 To 250'; Add	1.86	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	13.65	
		For 24 Gauge, Add	8.50	
		For 22 Gauge, Add	16.69	
07 71 23 00-0218		Square Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.85	3.19
		For Up To 100'; Add	1.50	
		For >100 To 250'; Add	0.67	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	2.88	
		For 24 Gauge, Add	1.79	
		For 22 Gauge, Add	3.52	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.76	3.19
		For Up To 100'; Add	1.79	
		For >100 To 250'; Add	0.81	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	4.19	
		For 24 Gauge, Add	2.61	
		For 22 Gauge, Add	5.12	
07 71 23 00-0221		Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.79	3.19
		For Up To 100'; Add	1.40	
		For >100 To 250'; Add	0.61	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	2.40	
		For 24 Gauge, Add	1.50	
		For 22 Gauge, Add	2.94	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	11.33	3.19
		For Up To 100'; Add	1.65	
		For >100 To 250'; Add	0.74	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	3.55	
		For 24 Gauge, Add	2.21	
		For 22 Gauge, Add	4.33	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	21.48	3.19
		For Up To 100'; Add	2.67	
		For >100 To 250'; Add	1.25	
		For >1,000'; Deduct	-0.35	
		For Kynar 500® Finish, Add	8.11	
		For 24 Gauge, Add	5.05	
		For 22 Gauge, Add	9.92	
07 71 23 00-0225		Galvanized Steel Devices (07 71 23 00-0160)		
07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	398.03	33.99
		For Kynar 500® Finish, Add	148.53	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	186.16	30.58
		For Kynar 500® Finish, Add	37.89	
07 71 23 00-0228		Stainless Steel Gutters And Downspouts (07 71 23)		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0229		Stainless Steel Gutters (07 71 23 00-0228)		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0230			K-Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0231	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	38.66	4.91
			For Up To 100', Add	5.08	
			For >100' To 250', Add	2.34	
			For >1,000', Deduct	-0.81	
			For 316 Stainless Steel, Add	11.62	
			For 24 Gauge, Add	10.09	
			For 22 Gauge, Add	20.18	
			For 20 Gauge, Add	30.26	
07 71 23 00-0232	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	46.71	5.17
			For Up To 100', Add	5.94	
			For >100' To 250', Add	2.76	
			For >1,000', Deduct	-0.85	
			For 316 Stainless Steel, Add	14.52	
			For 24 Gauge, Add	12.61	
			For 22 Gauge, Add	25.23	
			For 20 Gauge, Add	37.84	
07 71 23 00-0233			Half Round, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0234	LF		5", 26 Gauge, Half Round Stainless Steel Gutter	54.37	4.91
			For Up To 100', Add	6.65	
			For >100' To 250', Add	3.12	
			For >1,000', Deduct	-0.81	
			For 316 Stainless Steel, Add	17.59	
			For 24 Gauge, Add	15.27	
			For 22 Gauge, Add	30.54	
			For 20 Gauge, Add	45.82	
07 71 23 00-0235	LF		6", 26 Gauge, Half Round Stainless Steel Gutter	66.25	5.17
			For Up To 100', Add	7.90	
			For >100' To 250', Add	3.74	
			For >1,000', Deduct	-0.85	
			For 316 Stainless Steel, Add	21.95	
			For 24 Gauge, Add	19.06	
			For 22 Gauge, Add	38.12	
			For 20 Gauge, Add	57.18	
07 71 23 00-0236			Box Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0237	LF		5", 26 Gauge, Box Style Stainless Steel Gutter	52.88	5.57
			For Up To 100', Add	6.68	
			For >100' To 250', Add	3.11	
			For >1,000', Deduct	-0.93	
			For 316 Stainless Steel, Add	16.56	
			For 24 Gauge, Add	14.38	
			For 22 Gauge, Add	28.77	
			For 20 Gauge, Add	43.15	
			For 18 Gauge, Add	72.36	
			For Seamless Gutter, Add	-0.79	
07 71 23 00-0238	LF		6", 26 Gauge, Box Style Stainless Steel Gutter	64.84	6.11
			For Up To 100', Add	8.00	
			For >100' To 250', Add	3.75	
			For >1,000', Deduct	-1.01	
			For 316 Stainless Steel, Add	20.81	
			For 24 Gauge, Add	18.07	
			For 22 Gauge, Add	36.14	
			For 20 Gauge, Add	54.21	
			For 18 Gauge, Add	90.90	
			For Seamless Gutter, Add	-1.23	
07 71 23 00-0239	LF		7", 26 Gauge, Box Style Stainless Steel Gutter	76.91	6.50
			For Up To 100', Add	9.30	
			For >100' To 250', Add	4.38	
			For >1,000', Deduct	-1.07	
			For 316 Stainless Steel, Add	25.14	
			For 24 Gauge, Add	21.84	
			For 22 Gauge, Add	43.67	
			For 20 Gauge, Add	65.51	
			For 18 Gauge, Add	109.84	
			For Seamless Gutter, Add	-1.70	
07 71 23 00-0240	LF		8", 26 Gauge, Box Style Stainless Steel Gutter	83.71	6.90
			For Up To 100', Add	10.08	
			For >100' To 250', Add	4.76	
			For >1,000', Deduct	-1.14	
			For 316 Stainless Steel, Add	27.47	
			For 24 Gauge, Add	23.86	
			For 22 Gauge, Add	47.72	
			For 20 Gauge, Add	71.58	
			For 18 Gauge, Add	120.02	
			For Seamless Gutter, Add	-1.90	
07 71 23 00-0241			Stainless Steel Gutter End Caps (07 71 23 00-0228)		
07 71 23 00-0242			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0243	EA		5", K-Style Stainless Steel Gutter End Cap	12.22	
			<i>For 316 Stainless Steel, Add</i>	3.63	
07 71 23 00-0244	EA		6", K-Style Stainless Steel Gutter End Cap	14.13	
			<i>For 316 Stainless Steel, Add</i>	4.36	
07 71 23 00-0245			Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0246	EA		5", Half Round Stainless Steel Gutter End Cap	14.61	
			<i>For 316 Stainless Steel, Add</i>	4.54	
07 71 23 00-0247	EA		6", Half Round Stainless Steel Gutter End Cap	17.00	
			<i>For 316 Stainless Steel, Add</i>	5.45	
07 71 23 00-0248			Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0249	EA		5", Box Style Stainless Steel Gutter End Cap	15.27	
			<i>For 316 Stainless Steel, Add</i>	4.54	
07 71 23 00-0250	EA		6", Box Style Stainless Steel Gutter End Cap	17.66	
			<i>For 316 Stainless Steel, Add</i>	5.45	
07 71 23 00-0251	EA		7", Box Style Stainless Steel Gutter End Cap	18.58	
			<i>For 316 Stainless Steel, Add</i>	5.89	
07 71 23 00-0252	EA		8", Box Style Stainless Steel Gutter End Cap	22.61	
			<i>For 316 Stainless Steel, Add</i>	7.25	
07 71 23 00-0253			Stainless Steel Gutter Miters (07 71 23 00-0228)		
			Note: Inside or outside box miters.		
07 71 23 00-0254			K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0255	EA		5", K-Style Stainless Steel Gutter Miter	62.80	
			<i>For 316 Stainless Steel, Add</i>	18.77	
07 71 23 00-0256	EA		6", K-Style Stainless Steel Gutter Miter	101.98	
			<i>For 316 Stainless Steel, Add</i>	33.31	
07 71 23 00-0257			Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0258	EA		5", Half Round Stainless Steel Gutter Miter	158.42	
			<i>For 316 Stainless Steel, Add</i>	55.11	
07 71 23 00-0259	EA		6", Half Round Stainless Steel Gutter Miter	194.34	
			<i>For 316 Stainless Steel, Add</i>	68.40	
07 71 23 00-0260			Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0261	EA		5", Box-Style Stainless Steel Gutter Miter	72.68	
			<i>For 316 Stainless Steel, Add</i>	22.53	
07 71 23 00-0262	EA		6", Box-Style Stainless Steel Gutter Miter	119.51	
			<i>For 316 Stainless Steel, Add</i>	39.97	
07 71 23 00-0263	EA		7", Box-Style Stainless Steel Gutter Miter	137.97	
			<i>For 316 Stainless Steel, Add</i>	46.63	
07 71 23 00-0264	EA		8", Box-Style Stainless Steel Gutter Miter	156.56	
			<i>For 316 Stainless Steel, Add</i>	53.29	
07 71 23 00-0265			Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)		
07 71 23 00-0266	EA		3" Diameter, Round Stainless Steel Wire Strainer	48.85	3.32
07 71 23 00-0267	EA		4" Diameter, Round Stainless Steel Wire Strainer	49.99	3.32
07 71 23 00-0268			Stainless Steel Downspouts (07 71 23 00-0228)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269			Round Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0270	LF		3" Diameter, 26 Gauge, Round Stainless Steel Downspout	23.20	3.19
			<i>For Up To 100'; Add</i>	2.84	
			<i>For >100 To 250'; Add</i>	1.33	
			<i>For >1,000'; Deduct</i>	-0.35	
			<i>For 316 Stainless Steel, Add</i>	7.51	
			<i>For 24 Gauge, Add</i>	6.52	
			<i>For 22 Gauge, Add</i>	13.04	
			<i>For 20 Gauge, Add</i>	19.55	
07 71 23 00-0271	LF		4" Diameter, 26 Gauge, Round Stainless Steel Downspout	30.86	3.19
			<i>For Up To 100'; Add</i>	3.60	
			<i>For >100 To 250'; Add</i>	1.72	
			<i>For >1,000'; Deduct</i>	-0.35	
			<i>For 316 Stainless Steel, Add</i>	10.42	
			<i>For 24 Gauge, Add</i>	9.05	
			<i>For 22 Gauge, Add</i>	18.09	
			<i>For 20 Gauge, Add</i>	27.14	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0272	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout	45.33	3.19
			For Up To 100', Add	5.05	
			For >100 To 250', Add	2.44	
			For >1,000', Deduct	-0.35	
			For 316 Stainless Steel, Add	15.91	
			For 24 Gauge, Add	13.82	
			For 22 Gauge, Add	27.64	
			For 20 Gauge, Add	41.46	
07 71 23 00-0273			Rectangular Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0274	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	23.77	3.19
			For Up To 100', Add	2.89	
			For >100 To 250', Add	1.36	
			For >1,000', Deduct	-0.35	
			For 316 Stainless Steel, Add	7.72	
			For 24 Gauge, Add	6.71	
			For 22 Gauge, Add	13.41	
			For 20 Gauge, Add	20.12	
			For 18 Gauge, Add	33.73	
07 71 23 00-0275	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	32.01	3.19
			For Up To 100', Add	3.72	
			For >100 To 250', Add	1.77	
			For >1,000', Deduct	-0.35	
			For 316 Stainless Steel, Add	10.85	
			For 24 Gauge, Add	9.42	
			For 22 Gauge, Add	18.85	
			For 20 Gauge, Add	28.27	
			For 18 Gauge, Add	47.41	
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	41.65	3.19
			For Up To 100', Add	4.68	
			For >100 To 250', Add	2.26	
			For >1,000', Deduct	-0.35	
			For 316 Stainless Steel, Add	14.52	
			For 24 Gauge, Add	12.61	
			For 22 Gauge, Add	25.21	
			For 20 Gauge, Add	37.82	
			For 18 Gauge, Add	63.41	
07 71 23 00-0277			Stainless Steel Devices (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet.....	279.52	29.85
			For 316 Stainless Steel, Add	68.41	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head	528.44	29.85
			For 316 Stainless Steel, Add	175.60	
07 71 23 00-0280			Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0281			Vinyl Gutters (07 71 23 00-0280)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282			K-Style Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0283	LF		4", K-Style Vinyl Gutter	12.57	3.32
			For Up To 100', Add	2.09	
			For >100' To 250', Add	0.91	
			For >1,000', Deduct	-0.55	
07 71 23 00-0284	LF		5", K-Style Vinyl Gutter	16.20	3.32
			For Up To 100', Add	2.45	
			For >100' To 250', Add	1.09	
			For >1,000', Deduct	-0.55	
07 71 23 00-0285			Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter	12.99	3.32
			For Up To 100', Add	2.13	
			For >100' To 250', Add	0.93	
			For >1,000', Deduct	-0.55	
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter	13.65	3.32
			For Up To 100', Add	2.19	
			For >100' To 250', Add	0.96	
			For >1,000', Deduct	-0.55	
07 71 23 00-0288			Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289			K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290	EA		4", K-Style Vinyl Gutter End Cap	7.77	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap	10.78	
07 71 23 00-0292			Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap	8.88	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap	8.38	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 23 00-0295	Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.				
07 71 23 00-0296	K-Style, Vinyl Gutter Miters (07 71 23 00-0295)				
07 71 23 00-0297	EA 4", K-Style Vinyl Gutter Miter		19.34		
07 71 23 00-0298	EA 5", K-Style Vinyl Gutter Miter		29.05		
07 71 23 00-0299	Half Round, Vinyl Gutter Miters (07 71 23 00-0295)				
07 71 23 00-0300	EA 4", Half Round Vinyl Gutter Miter		19.34		
07 71 23 00-0301	EA 5", Half Round Vinyl Gutter Miter		21.01		
07 71 23 00-0302	Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.				
07 71 23 00-0303	Round Vinyl Downspouts (07 71 23 00-0302)				
07 71 23 00-0304	LF 2-1/2" Diameter, Round Vinyl Downspout.....		8.26		3.19
	For Up To 100'; Add		1.34		
	For >100 To 250'; Add		0.59		
	For >1,000'; Deduct		-0.35		
07 71 23 00-0305	LF 3" Diameter, Round Vinyl Downspout.....		8.61		3.19
	For Up To 100'; Add		1.38		
	For >100 To 250'; Add		0.60		
	For >1,000'; Deduct		-0.35		
07 71 23 00-0306	Square Vinyl Downspouts (07 71 23 00-0302)				
07 71 23 00-0307	LF 2-1/2", Square Vinyl Downspout		8.11		3.19
	For Up To 100'; Add		1.33		
	For >100 To 250'; Add		0.58		
	For >1,000'; Deduct		-0.35		
07 71 23 00-0308	Rectangular Vinyl Downspouts (07 71 23 00-0302)				
07 71 23 00-0309	LF 2" x 3", Rectangular Vinyl Downspout		10.38		3.19
	For Up To 100'; Add		1.56		
	For >100 To 250'; Add		0.69		
	For >1,000'; Deduct		-0.35		
07 71 23 00-0310	Gutter And Downspout Boots (07 71 23)				
07 71 23 00-0311	Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)				
07 71 23 00-0312	EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....		356.90		4.78
07 71 23 00-0313	EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....		465.45		4.78
07 71 23 00-0314	EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....		555.70		4.78
07 71 23 00-0315	Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)				
07 71 23 00-0316	EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout		617.17		4.78
07 71 23 00-0317	EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout		754.15		4.78
07 71 23 00-0318	EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout		1,369.26		4.78
07 71 23 00-0319	Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)				
07 71 23 00-0320	EA 3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)		1,229.35		29.99
	For Polished Brass Finish (-PB), Add		116.94		
	For Chrome Plated Finish (-CP), Add		175.41		
	For Vandal Proof (-U), Add		58.47		
07 71 23 00-0321	EA 4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)		1,249.34		39.98
	For Polished Brass Finish (-PB), Add		116.94		
	For Chrome Plated Finish (-CP), Add		175.41		
	For Vandal Proof (-U), Add		58.47		
07 71 23 00-0322	EA 6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)		1,343.28		54.12
	For Polished Brass Finish (-PB), Add		123.50		
	For Chrome Plated Finish (-CP), Add		185.26		
	For Vandal Proof (-U), Add		61.75		
07 71 23 00-0323	EA 8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)		1,431.13		68.34
	For Polished Brass Finish (-PB), Add		129.45		
	For Chrome Plated Finish (-CP), Add		194.17		
	For Vandal Proof (-U), Add		64.72		
07 71 23 00-0324	EA 10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)		1,538.12		84.19
	For Polished Brass Finish (-PB), Add		136.98		
	For Chrome Plated Finish (-CP), Add		205.46		
	For Vandal Proof (-U), Add		68.49		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0325	EA		12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,688.03	117.53
			For Polished Brass Finish (-PB), Add	145.30	
			For Chrome Plated Finish (-CP), Add	217.94	
			For Vandal Proof (-U), Add	72.65	
07 71 23 00-0326	EA		15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,861.93	163.45
			For Polished Brass Finish (-PB), Add	153.50	
			For Chrome Plated Finish (-CP), Add	230.25	
			For Vandal Proof (-U), Add	76.75	
07 71 23 00-0327 Wall Mounted Downspout Nozzle (07 71 23)					
07 71 23 00-0328	EA		3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	312.41	29.99
			For Nickel Bronze Finish (-NB), Add	176.71	
			For Polished Bronze Finish (-PB), Add	138.84	
			For Chrome Plated Finish (-CP), Add	224.67	
07 71 23 00-0329	EA		4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	332.40	39.98
			For Nickel Bronze Finish (-NB), Add	176.71	
			For Polished Bronze Finish (-PB), Add	138.84	
			For Chrome Plated Finish (-CP), Add	224.67	
07 71 23 00-0330	EA		6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	707.08	54.12
			For Nickel Bronze Finish (-NB), Add	179.65	
			For Polished Bronze Finish (-PB), Add	101.80	
			For Chrome Plated Finish (-CP), Add	263.49	
07 71 23 00-0331	EA		8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,045.68	68.34
			For Nickel Bronze Finish (-NB), Add	154.53	
			For Polished Bronze Finish (-PB), Add	118.17	
			For Chrome Plated Finish (-CP), Add	263.62	
07 71 23 00-0332	EA		10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,348.51	84.19
			For Nickel Bronze Finish (-NB), Add	200.62	
			For Polished Bronze Finish (-PB), Add	153.42	
			For Chrome Plated Finish (-CP), Add	342.24	
07 71 23 00-0333	EA		12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,719.72	117.53
			For Nickel Bronze Finish (-NB), Add	252.39	
			For Polished Bronze Finish (-PB), Add	193.00	
			For Chrome Plated Finish (-CP), Add	430.55	
07 71 23 00-0334 Leaf Guards And Cleaning (07 71 23)					
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard	4.18	0.92
			For Up To 100', Add	0.69	
			For >100' To 250', Add	0.30	
			For >1,000', Deduct	-0.18	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard	3.09	0.92
			For Up To 100', Add	0.58	
			For >100' To 250', Add	0.25	
			For >1,000', Deduct	-0.18	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.80	1.15
			For Up To 100', Add	2.03	
			For >100' To 250', Add	0.96	
			For >1,000', Deduct	-0.23	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.07	1.15
			For Up To 100', Add	2.76	
			For >100' To 250', Add	1.32	
			For >1,000', Deduct	-0.23	
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	12.79	1.15
			For Up To 100', Add	1.55	
			For >100' To 250', Add	0.73	
			For >1,000', Deduct	-0.18	
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	19.76	1.15
			For Up To 100', Add	2.25	
			For >100' To 250', Add	1.08	
			For >1,000', Deduct	-0.18	
07 71 23 00-0341	EA		Cleanout Roof Drain	185.21	
			Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF		Cleanout Roof Gutters And Downspouts	2.17	
07 71 26 Reglets (07 71)					
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26) Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.53	6.08
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.71	6.08
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.01	6.08
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.17	6.08
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.83	6.08
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.59	6.08



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Specialties			07 71

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.40	6.08
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.66	6.08
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.10	6.08
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	23.77	6.08
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.73	6.08
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	25.83	6.08
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.98	6.08
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.59	6.08
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.19	6.08
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.63	6.08
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.60	6.08
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	20.01	6.08
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.60	6.08
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.99	6.08
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.37	6.08
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.65	6.08
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.27	6.08
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.17	6.08
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.70	6.08
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.26	6.08
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.82	6.08
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.22	6.08
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.12	6.08
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.43	6.08
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.91	6.08
07 71 26 00-0042 LF 22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	23.21	6.08
07 71 26 00-0043 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	23.64	6.08
07 71 26 00-0044 Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045 Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	51.28	6.08
07 72 Roof Accessories (07 70)		
07 72 13 Manufactured Curbs (07 72)		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13) Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001) Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,067.94 72.13 178.93 -38.94 8.71 33.68	277.28
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,083.88 73.73 182.12 -47.79 15.75 38.44	277.28

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,178.51	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	78.86	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,239.63	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.97	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	208.93	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-77.88	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	40.12	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,284.81	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	89.49	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	217.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.76	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.58	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,552.19	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.89	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.11	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-129.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-27.08	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	16.02	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,089.20	277.28
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.26	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	183.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	143.53	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,181.16	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.12	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	197.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-74.34	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.97	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	59.55	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,215.71	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.58	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	204.15	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,229.00	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.91	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.81	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,509.66	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	107.64	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	258.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,652.13	381.26
		For Sloped Roofs Up To 1 In 12 Pitch, Add	117.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	282.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	171.79	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	226.25	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,303.42	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,424.62	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	99.14	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	241.60	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-115.05	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-22.01	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.37	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,453.85	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	102.06	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	247.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,596.31	381.26
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.97	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	271.60	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-159.29	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-57.17	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.43	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,714.86 119.50 290.98 35.06 162.14 218.87	415.91
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,854.66 129.14 314.61 -219.47 -76.52 0.63	450.58
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,453.85 102.06 247.45 27.91 102.80 189.03	346.60
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,567.08 109.05 265.76 -166.37 -55.19 15.16	381.26
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,712.20 119.23 290.45 -215.93 -104.75 -38.94	415.91
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,738.78 121.89 295.77 41.53 152.72 266.19	415.91
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,883.89 132.07 320.46 -272.59 -159.11 -13.89	450.58
07 72 13 00-0028		12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,102.49 75.59 185.84 -38.94 8.71 33.68	277.28
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,110.46 76.39 187.43 -47.79 15.75 38.44	277.28
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,205.08 81.52 202.02 -58.41 21.01 36.90	311.94
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,274.18 88.43 215.84 -77.88 24.24 40.12	311.94
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,324.68 93.48 225.94 20.76 131.96 145.58	311.94
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,584.08 115.08 273.49 -129.20 -27.08 16.02	346.60

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,113.12 76.65 187.96 11.91 102.69 143.53	277.28
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,252.92 86.30 211.59 -74.34 20.97 59.55	311.94
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,306.07 91.61 222.22 -92.04 7.81 39.58	311.94
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,367.20 97.73 234.45 21.10 130.03 159.53	311.94
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,552.19 111.89 267.11 27.23 147.50 192.89	346.60
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,705.28 122.87 293.40 33.36 171.79 226.25	381.26
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,335.31 94.54 228.07 -95.58 4.27 29.23	311.94
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,451.19 101.79 246.91 -115.05 -22.01 23.37	346.60
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,493.72 106.05 255.42 -136.28 -56.85 20.29	346.60
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,638.84 116.23 280.11 -159.29 -57.17 15.43	381.26
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,765.35 124.55 301.08 35.06 162.14 218.87	415.91
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,913.13 134.99 326.30 -219.47 -76.52 0.63	450.58
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,493.72 106.05 255.42 27.91 102.80 189.03	346.60
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,609.60 113.30 274.26 -166.37 -55.19 15.16	381.26



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,757.38 123.75 299.49 -215.93 -104.75 -38.94	415.91
07 72 13 00-0050	EA		62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,791.93 127.20 306.40 41.53 152.72 266.19	415.91
07 72 13 00-0051	EA		62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,942.36 137.91 332.15 -272.59 -159.11 -13.89	450.58
07 72 13 00-0052			14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0053	EA		26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,121.09 77.45 189.56 -38.94 8.71 33.68	277.28
07 72 13 00-0054	EA		26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,129.06 78.25 191.15 -47.79 15.75 38.44	277.28
07 72 13 00-0055	EA		26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,218.37 82.84 204.68 -58.41 21.01 36.90	311.94
07 72 13 00-0056	EA		26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,295.44 90.55 220.10 -77.88 24.24 40.12	311.94
07 72 13 00-0057	EA		26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,353.91 96.40 231.79 20.76 131.96 145.58	311.94
07 72 13 00-0058	EA		26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,621.29 118.80 280.93 -129.20 -27.08 16.02	346.60
07 72 13 00-0059	EA		38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,129.06 78.25 191.15 11.91 102.69 143.53	277.28
07 72 13 00-0060	EA		38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,218.37 82.84 204.68 -74.34 20.97 59.55	311.94
07 72 13 00-0061	EA		38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,353.91 96.40 231.79 -92.04 7.81 39.58	311.94
07 72 13 00-0062	EA		38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,417.70 102.78 244.55 21.10 130.03 159.53	311.94

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,584.08	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	115.08		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	273.49		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89		
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,739.83	381.26	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	126.33		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	300.31		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.36		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	171.79		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	226.25		
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,356.57	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	96.66		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.32		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23		
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,390.71	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	95.75		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.82		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-115.05		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-22.01		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.37		
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,520.29	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	108.70		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	260.73		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29		
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,670.73	381.26	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	119.42		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	286.49		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-159.29		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-57.17		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.43		
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,797.24	415.91	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	127.73		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	307.46		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87		
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,950.34	450.58	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	138.71		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	333.75		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-219.47		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-76.52		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	0.63		
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,520.29	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	108.70		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	260.73		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03		
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,638.84	381.26	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	116.23		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	280.11		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16		
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,791.93	415.91	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	127.20		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	306.40		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-215.93		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-104.75		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-38.94		
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,826.48	415.91	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	130.66		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	313.31		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	41.53		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.72		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	266.19		
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,982.23	450.58	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	141.90		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	340.12		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-272.59		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-159.11		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-13.89		

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,038.70	277.28
			For Sloped Roofs Up To 1 In 12 Pitch, Add	69.21	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	173.08	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,073.25	277.28
			For Sloped Roofs Up To 1 In 12 Pitch, Add	72.67	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.99	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-47.79	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	15.75	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.44	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,226.34	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	83.64	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.28	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90	
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,306.07	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	91.61	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	222.22	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-77.88	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.24	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	40.12	
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,364.54	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	97.46	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	233.92	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.76	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.96	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.58	
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,663.81	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	123.06	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	289.44	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-129.20	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-27.08	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	16.02	
07 72 13 00-0084	EA		38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,137.04	277.28
			For Sloped Roofs Up To 1 In 12 Pitch, Add	79.04	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	192.75	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.91	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.69	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	143.53	
07 72 13 00-0085	EA		38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,247.61	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	85.77	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.53	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-74.34	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.97	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	59.55	
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,274.18	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	88.43	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.84	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58	
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,298.10	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	90.82	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	220.63	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53	
07 72 13 00-0088	EA		38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,600.03	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	116.68	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	276.68	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89	
07 72 13 00-0089	EA		38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,758.43	381.26
			For Sloped Roofs Up To 1 In 12 Pitch, Add	128.19	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	304.03	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.36	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	171.79	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	226.25	
07 72 13 00-0090	EA		50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,367.20	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	97.73	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.45	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	
07 72 13 00-0091	EA		50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,491.06	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	105.78	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	254.89	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-115.05	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-22.01	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.37	

07 Thermal And Moisture Protection**07 70 Roof and Wall Specialties and Accessories****07 72 Roof Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,533.58	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	110.03	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	263.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,686.68	381.26
		For Sloped Roofs Up To 1 In 12 Pitch, Add	121.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	289.68	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-159.29	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-57.17	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.43	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,813.19	415.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	129.33	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	310.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,968.94	450.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	140.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	337.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-219.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-76.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	0.63	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,533.58	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	110.03	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	263.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,652.13	381.26
		For Sloped Roofs Up To 1 In 12 Pitch, Add	117.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	282.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,807.88	415.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	128.80	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	309.59	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-215.93	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-104.75	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-38.94	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,845.08	415.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	132.52	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	317.03	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	41.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.72	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	266.19	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,003.49	450.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	144.03	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	344.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-272.59	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-159.11	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-13.89	
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,062.62	277.28
		For Sloped Roofs Up To 1 In 12 Pitch, Add	71.60	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	177.86	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,102.49	277.28
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.84	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-47.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	15.75	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.44	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,266.21	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	214.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,353.91	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	96.40	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	231.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-77.88	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	40.12	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,425.67 103.57 246.14 20.76 131.96 145.58	311.94
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,674.44 124.12 291.56 -129.20 -27.08 16.02	346.60
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,171.59 82.50 199.66 11.91 102.69 143.53	277.28
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,290.13 90.02 219.03 -74.34 20.97 59.55	311.94
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,324.68 93.48 225.94 -92.04 7.81 39.58	311.94
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,356.57 96.66 232.32 21.10 130.03 159.53	311.94
07 72 13 00-0112	EA		38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,663.81 123.06 289.44 27.23 147.50 192.89	346.60
07 72 13 00-0113	EA		38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,835.51 135.89 319.44 33.36 171.79 226.25	381.26
07 72 13 00-0114	EA		50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,415.04 102.51 244.02 -95.58 4.27 29.23	311.94
07 72 13 00-0115	EA		50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,544.21 111.10 265.52 -115.05 -22.01 23.37	346.60
07 72 13 00-0116	EA		50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,594.71 116.15 275.62 -136.28 -56.85 20.29	346.60
07 72 13 00-0117	EA		50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,750.46 127.39 302.43 -159.29 -57.17 15.43	381.26
07 72 13 00-0118	EA		51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,887.61 136.77 325.53 35.06 162.14 218.87	415.91
07 72 13 00-0119	EA		51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,053.99 149.08 354.48 -219.47 -76.52 0.63	450.58

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120	EA		62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,594.71 116.15 275.62 27.91 102.80 189.03	346.60
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,721.23 124.47 296.59 -166.37 -55.19 15.16	381.26
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,882.29 136.24 324.47 -215.93 -104.75 -38.94	415.91
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,922.16 140.23 332.44 41.53 152.72 266.19	415.91
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,093.85 153.06 362.45 -272.59 -159.11 -13.89	450.58
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)					
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,081.22 73.46 181.58 -38.94 8.71 33.68	277.28
07 72 13 00-0127	EA		26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,123.75 77.72 190.09 -47.79 15.75 38.44	277.28
07 72 13 00-0128	EA		26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,290.13 90.02 219.03 -58.41 21.01 36.90	311.94
07 72 13 00-0129	EA		26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,385.81 99.59 238.17 -77.88 24.24 40.12	311.94
07 72 13 00-0130	EA		26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,465.54 107.56 254.12 20.76 131.96 145.58	311.94
07 72 13 00-0131	EA		26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,759.49 132.62 308.57 -129.20 -27.08 16.02	346.60
07 72 13 00-0132	EA		38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,198.16 85.16 204.97 11.91 102.69 143.53	277.28
07 72 13 00-0133	EA		38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,335.31 94.54 228.07 -74.34 20.97 59.55	311.94



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0134	EA		38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,383.15	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	99.32	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	237.64	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58	
07 72 13 00-0135	EA		38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,393.78	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	100.39	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	239.76	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53	
07 72 13 00-0136	EA		38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,711.65	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	127.84	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	299.01	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89	
07 72 13 00-0137	EA		38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,888.66	381.26
			For Sloped Roofs Up To 1 In 12 Pitch, Add	141.21	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	330.07	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.36	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	171.79	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	226.25	
07 72 13 00-0138	EA		50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,446.93	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	105.70	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	250.39	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	
07 72 13 00-0139	EA		50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,474.67	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	104.14	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	251.61	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-115.05	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-22.01	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.37	
07 72 13 00-0140	EA		50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,634.58	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	120.13	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	283.59	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29	
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,798.30	381.26
			For Sloped Roofs Up To 1 In 12 Pitch, Add	132.17	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	312.00	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-159.29	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-57.17	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.43	
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,935.44	415.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	141.55	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	335.10	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87	
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,112.46	450.58
			For Sloped Roofs Up To 1 In 12 Pitch, Add	154.92	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	366.17	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-219.47	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-76.52	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	0.63	
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,634.58	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	120.13	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	283.59	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03	
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,769.06	381.26
			For Sloped Roofs Up To 1 In 12 Pitch, Add	129.25	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	306.15	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16	
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,927.47	415.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	140.76	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	333.50	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-215.93	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-104.75	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-38.94	
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,975.31	415.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	145.54	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	343.07	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	41.53	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.72	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	266.19	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,152.32	450.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	158.91	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	374.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-272.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-159.11	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-13.89	
07 72 13 00-0149			Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
			^{13 00-0001} Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150			6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,022.22	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.56	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	169.78	
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,168.29	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.17	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	199.00	
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,336.17	311.94
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	228.24	
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,452.80	311.94
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.29	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	251.57	
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,607.27	346.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	278.13	
07 72 13 00-0156			12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,236.11	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	212.56	
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,434.34	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	108.77	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	252.21	
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,526.58	311.94
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.67	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	266.32	
07 72 13 00-0160	EA		41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,601.10	311.94
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	281.23	
07 72 13 00-0161	EA		50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,792.08	346.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	135.88	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	315.09	
07 72 13 00-0162	EA		64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,790.88	381.26
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	231.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	510.52	
07 72 13 00-0163			18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0164	EA		17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,587.48	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.09	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	282.84	
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,790.19	277.28
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	144.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	323.38	
07 72 13 00-0166	EA		31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,117.55	311.94
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	172.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	384.52	
07 72 13 00-0167			High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curbs ^(07 72 13 00-0001)		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0168	EA		38-1/2" Square Outside Dimensions, 24" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G24).....	1,406.04	129.98
			For Sloped Roofs Up To 1 In 12 Pitch, Add	127.61	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	268.21	
07 72 13 00-0169	EA		38-1/2" Square Outside Dimensions, 27" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G27).....	1,494.93	129.98
			For Sloped Roofs Up To 1 In 12 Pitch, Add	136.50	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	285.99	
07 72 13 00-0170			Wood, Prefabricated Roof Curbs ^(07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0171			Wood Framed, Prefabricated Roof Curbs ^(07 72 13 00-0170)		
07 72 13 00-0172			2 x 6 Wood Framed, Prefabricated Roof Curbs ^(07 72 13 00-0171)		
07 72 13 00-0173	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	877.01	277.28
			For Sloped Roofs Up To 1 In 12 Pitch, Add	53.04	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	140.74	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68	
07 72 13 00-0174	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	977.28	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	58.74	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	156.46	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90	
07 72 13 00-0175	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,036.28	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	64.64	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	168.26	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.76	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.96	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.58	
07 72 13 00-0176	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,029.47	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	63.95	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	166.90	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58	
07 72 13 00-0177	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,045.36	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	65.54	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.08	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53	
07 72 13 00-0178	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,170.59	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	73.73	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	190.79	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89	
07 72 13 00-0179	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,040.82	311.94
			For Sloped Roofs Up To 1 In 12 Pitch, Add	65.09	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	169.17	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	
07 72 13 00-0180	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,191.01	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	75.78	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.88	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29	
07 72 13 00-0181	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,364.31	415.91
			For Sloped Roofs Up To 1 In 12 Pitch, Add	84.44	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	220.87	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87	
07 72 13 00-0182	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,150.16	346.60
			For Sloped Roofs Up To 1 In 12 Pitch, Add	71.69	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	186.71	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03	
07 72 13 00-0183	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,264.04	381.26
			For Sloped Roofs Up To 1 In 12 Pitch, Add	78.75	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	205.15	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0184 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,409.70 88.98 229.95 41.53 152.72 266.19	415.91
07 72 13 00-0185 2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0171)		
07 72 13 00-0186 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	890.63 54.40 143.47 -38.94 8.71 33.68	277.28
07 72 13 00-0187 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	993.16 60.32 159.64 -58.41 21.01 36.90	311.94
07 72 13 00-0188 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,079.40 68.95 176.89 20.76 131.96 145.58	311.94
07 72 13 00-0189 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,056.70 66.68 172.35 -92.04 7.81 39.58	311.94
07 72 13 00-0190 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,079.40 68.95 176.89 21.10 130.03 159.53	311.94
07 72 13 00-0191 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,204.63 77.14 197.60 27.23 147.50 192.89	346.60
07 72 13 00-0192 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,065.78 67.59 174.16 -95.58 4.27 29.23	311.94
07 72 13 00-0193 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,222.78 78.95 201.23 -136.28 -56.85 20.29	346.60
07 72 13 00-0194 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,396.08 87.62 227.23 35.06 162.14 218.87	415.91
07 72 13 00-0195 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,175.12 74.19 191.70 27.91 102.80 189.03	346.60
07 72 13 00-0196 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,293.55 81.70 211.05 -166.37 -55.19 15.16	381.26
07 72 13 00-0197 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,441.47 92.16 236.30 41.53 152.72 266.19	415.91
07 72 13 00-0198 2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0171)		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0199	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	899.71	277.28	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	55.31		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.28		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68		
07 72 13 00-0200	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,009.05	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	61.91		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	162.82		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90		
07 72 13 00-0201	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,083.94	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	69.40		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	177.80		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.76		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.96		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.58		
07 72 13 00-0202	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,072.59	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	68.27		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.53		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58		
07 72 13 00-0203	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,099.82	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.99		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.97		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53		
07 72 13 00-0204	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,227.32	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.41		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.14		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89		
07 72 13 00-0205	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,081.67	311.94	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	69.17		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	177.34		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23		
07 72 13 00-0206	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,243.20	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	81.00		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	205.32		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29		
07 72 13 00-0207	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,416.50	415.91	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	89.66		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	231.31		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87		
07 72 13 00-0208	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,191.01	346.60	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.78		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.88		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03		
07 72 13 00-0209	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,311.70	381.26	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.51		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	214.68		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16		
07 72 13 00-0210	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,464.16	415.91	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	94.43		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	240.84		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	41.53		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.72		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	266.19		
07 72 13 00-0211		2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0171)			
07 72 13 00-0212	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	911.05	277.28	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	56.45		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	147.55		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0213	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,018.13 62.82 164.63 -58.41 21.01 36.90	311.94
07 72 13 00-0214	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,104.36 71.44 181.88 20.76 131.96 145.58	311.94
07 72 13 00-0215	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,122.51 73.26 185.51 21.10 130.03 159.53	311.94
07 72 13 00-0216	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,252.28 81.90 207.13 27.23 147.50 192.89	346.60
07 72 13 00-0217	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,102.09 71.22 181.43 -95.58 4.27 29.23	311.94
07 72 13 00-0218	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,265.90 83.27 209.86 -136.28 -56.85 20.29	346.60
07 72 13 00-0219	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,443.74 92.38 236.76 35.06 162.14 218.87	415.91
07 72 13 00-0220	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,329.85 85.33 218.31 -166.37 -55.19 15.16	381.26
07 72 13 00-0221		Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0170)		
07 72 13 00-0222		2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0221)		
07 72 13 00-0223	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	895.17 54.86 144.37 -38.94 8.71 33.68	277.28
07 72 13 00-0224	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	993.16 60.32 159.64 -58.41 21.01 36.90	311.94
07 72 13 00-0225	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,065.78 67.59 174.16 20.76 131.96 145.58	311.94
07 72 13 00-0226	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,049.90 66.00 170.99 -92.04 7.81 39.58	311.94
07 72 13 00-0227	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,070.32 68.04 175.07 21.10 130.03 159.53	311.94



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0228	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,197.82 76.46 196.24 27.23 147.50 192.89	346.60
07 72 13 00-0229	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,061.24 67.13 173.26 -95.58 4.27 29.23	311.94
07 72 13 00-0230	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,215.97 78.27 199.87 -136.28 -56.85 20.29	346.60
07 72 13 00-0231	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,389.27 86.94 225.86 35.06 162.14 218.87	415.91
07 72 13 00-0232	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,177.39 74.41 192.15 27.91 102.80 189.03	346.60
07 72 13 00-0233	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,289.01 81.24 210.14 -166.37 -55.19 15.16	381.26
07 72 13 00-0234	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,441.47 92.16 236.30 41.53 152.72 266.19	415.91
07 72 13 00-0235			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0221)		
07 72 13 00-0236	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	911.05 56.45 147.55 -38.94 8.71 33.68	277.28
07 72 13 00-0237	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,011.32 62.14 163.27 -58.41 21.01 36.90	311.94
07 72 13 00-0238	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,093.01 70.31 179.61 20.76 131.96 145.58	311.94
07 72 13 00-0239	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,077.13 68.72 176.43 -92.04 7.81 39.58	311.94
07 72 13 00-0240	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,106.63 71.67 182.33 21.10 130.03 159.53	311.94
07 72 13 00-0241	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,238.67 80.54 204.41 27.23 147.50 192.89	346.60

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0242	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,093.01	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.31	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	
07 72 13 00-0243	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,254.55	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.13	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	207.59	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-136.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-56.85	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	20.29	
07 72 13 00-0244	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,432.39	415.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.25	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.49	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	35.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.87	
07 72 13 00-0245	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,206.90	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.37	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	198.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	102.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.03	
07 72 13 00-0246	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,323.05	381.26
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.65	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	216.95	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-166.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-55.19	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	15.16	
07 72 13 00-0247	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,480.04	415.91
		For Sloped Roofs Up To 1 In 12 Pitch, Add	96.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	244.02	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	41.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	152.72	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	266.19	
07 72 13 00-0248		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0221)		
07 72 13 00-0249	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	924.67	277.28
		For Sloped Roofs Up To 1 In 12 Pitch, Add	57.81	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	150.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-38.94	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	8.71	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.68	
07 72 13 00-0250	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,029.47	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	63.95	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	166.90	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-58.41	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	21.01	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	36.90	
07 72 13 00-0251	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,120.25	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	73.03	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.76	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.58	
07 72 13 00-0252	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,097.55	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.76	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.52	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-92.04	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	7.81	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.58	
07 72 13 00-0253	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,133.86	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.39	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	187.78	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	130.03	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	159.53	
07 72 13 00-0254	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,268.17	346.60
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.49	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.50	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	192.89	
07 72 13 00-0255	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,113.44	311.94
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	183.70	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	4.27	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	29.23	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0256	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,279.51 84.63 212.58 -136.28 -56.85 20.29	346.60
07 72 13 00-0257	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,459.62 93.97 239.93 35.06 162.14 218.87	415.91
07 72 13 00-0258	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,229.59 79.63 202.59 27.91 102.80 189.03	346.60
07 72 13 00-0259	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,348.01 87.14 221.94 -166.37 -55.19 15.16	381.26
07 72 13 00-0260	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,509.55 98.97 249.92 41.53 152.72 266.19	415.91
07 72 13 00-0261		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0221)		
07 72 13 00-0262	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	951.90 60.53 155.72 -38.94 8.71 33.68	277.28
07 72 13 00-0263	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,043.09 65.32 169.63 -58.41 21.01 36.90	311.94
07 72 13 00-0264	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,140.67 75.07 189.14 20.76 131.96 145.58	311.94
07 72 13 00-0265	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,156.55 76.66 192.32 21.10 130.03 159.53	311.94
07 72 13 00-0266	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,354.40 92.12 227.56 27.23 147.50 192.89	346.60
07 72 13 00-0267	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,179.25 78.93 196.86 -95.58 4.27 29.23	311.94
07 72 13 00-0268	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,358.94 92.57 228.46 -136.28 -56.85 20.29	346.60
07 72 13 00-0269	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,550.39 103.05 258.09 35.06 162.14 218.87	415.91

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0270	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,431.97 95.54 238.74 -166.37 -55.19 15.16	381.26
07 72 13 00-0271		Penetration Seals (ChemLink) (07 72 13)		
07 72 13 00-0272		ChemCurb Penetration Seals (ChemLink ChemCurb) (07 72 13 00-0271)		
07 72 13 00-0273	EA	5" Inside Diameter Penetration Seals (ChemLink ChemCurb System)..... Note: Includes 5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	140.74	
07 72 13 00-0274	EA	7-1/2" Inside Diameter Penetration Seals (ChemLink ChemCurb System) Note: Includes 7.5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	226.59	
07 72 13 00-0275		E-Curb Penetration Seals (ChemLink E-Curb) (07 72 13 00-0271)		
07 72 13 00-0276	EA	3" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 3-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	64.62	
07 72 13 00-0277	EA	4" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 4-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	79.12	
07 72 13 00-0278	EA	5" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 5-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	104.09	
07 72 13 00-0279	EA	6" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 6-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	109.89	
07 72 13 00-0280	EA	9" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 9-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	147.86	
07 72 13 00-0281		ChemCurb And E-Curb Penetration Seals Accessories (07 72 13 00-0271)		
07 72 13 00-0282	EA	5" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	46.55	
07 72 13 00-0283	EA	12" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	51.91	
07 72 13 00-0284	EA	8" Long E-Curb Straight Piece For Penetration Seals (ChemLink) Note: For use with E-Curb seals too make rectangular or "L" shaped curbs.	20.70	
07 72 13 00-0285	EA	1/2 Gallon, 1-Part Pourable Penetration Sealant (ChemLink SS-Chem-F1426)..... Note: For use with ChemCurb and E-Curb seals.	84.16	
07 72 13 00-0286	EA	10.1 oz, M-1 Structural Adhesive/Sealant (ChemLink SS-Chem-F1270)..... Note: For use with ChemCurb and E-Curb seals.	26.63	
07 72 23		Relief Vents (07 72)		
07 72 23 00-0001		Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0002		Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	204.46 222.83	37.08
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	246.12 244.53	41.06
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	264.44 270.77	49.01
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	518.15 445.16	54.30
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	717.22 481.49	60.92
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	867.32 522.87	66.22
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	1,110.40 642.70	74.16
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	1,840.29 1,062.33	99.33
07 72 23 00-0011		Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	164.76 200.32	37.08
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	204.87 220.82	41.06
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	229.84 245.87	49.01
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	405.37 412.92	54.30



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	522.03	60.92
			For Curb Or Flange Base, Add	441.98	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	659.05	66.22
			For Curb Or Flange Base, Add	497.25	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	888.22	74.16
			For Curb Or Flange Base, Add	599.30	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	1,321.75	99.33
			For Curb Or Flange Base, Add	898.04	
07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)					
Note: Excludes curb or flange base.					
07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)					
07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	171.20	37.08
			For Curb Or Flange Base, Add	222.83	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	227.09	41.06
			For Curb Or Flange Base, Add	244.53	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	248.85	49.01
			For Curb Or Flange Base, Add	270.77	
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	432.80	54.30
			For Curb Or Flange Base, Add	445.16	
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	501.22	60.92
			For Curb Or Flange Base, Add	481.49	
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	714.68	66.22
			For Curb Or Flange Base, Add	522.87	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	933.49	74.16
			For Curb Or Flange Base, Add	642.70	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	1,354.98	99.33
			For Curb Or Flange Base, Add	1,062.33	
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)					
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	158.55	37.08
			For Curb Or Flange Base, Add	200.32	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	208.58	41.06
			For Curb Or Flange Base, Add	220.82	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	232.96	49.01
			For Curb Or Flange Base, Add	245.87	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	376.14	54.30
			For Curb Or Flange Base, Add	412.92	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	472.37	60.92
			For Curb Or Flange Base, Add	441.98	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	578.33	66.22
			For Curb Or Flange Base, Add	497.25	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	826.16	74.16
			For Curb Or Flange Base, Add	599.30	
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,242.42	99.33
			For Curb Or Flange Base, Add	898.04	
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	326.18	59.60
			For Backdraft Damper, Add	168.58	
			For Curb Base, Add	252.86	
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	401.57	66.22
			For Backdraft Damper, Add	184.44	
			For Curb Base, Add	276.62	
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	454.50	79.47
			For Backdraft Damper, Add	251.87	
			For Curb Base, Add	350.58	
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	553.71	87.42
			For Backdraft Damper, Add	287.57	
			For Curb Base, Add	406.08	
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,466.12	119.20
			For Backdraft Damper, Add	360.95	
			For Curb Base, Add	534.80	
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,790.13	137.74
			For Backdraft Damper, Add	426.40	
			For Curb Base, Add	639.14	
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,438.09	158.93
			For Backdraft Damper, Add	426.40	
			For Curb Base, Add	665.47	
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	3,425.13	172.18
			For Backdraft Damper, Add	446.23	
			For Curb Base, Add	689.86	
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	4,925.84	185.42
			For Backdraft Damper, Add	495.81	
			For Curb Base, Add	775.72	
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)					
Note: Includes flange base and bird screen. Excludes curb.					

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	722.27	66.22
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	840.86	87.42
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,215.02	119.20
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,916.45	137.74
07 72 23 00-0054		Low Profile Vent For Shingles, Shake, Slate and Metal Roof (07 72 23)		
07 72 23 00-0055	EA	Galvanized Steel, Low Profile Tapered Vents With 64.80 Square Inch Net Ventilation Area, 1/8" Noncombustable Stainless Steel Wire Filament.....	293.54	116.76
		Note: Includes fire caulking		
07 72 26		Ridge Vents (07 72)		
07 72 26 00-0001		Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002	LF	Aluminum Ridge Vent Strips.....	16.81	3.84
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors.....	62.04	23.88
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap.....	57.04	23.88
07 72 26 00-0005		Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips.....	14.81	4.11
07 72 26 00-0007		Stainless Steel Fire And Ember Continuous Soffit Vent (07 72 26)		
07 72 26 00-0008	LF	2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	27.16	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0009	LF	2-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	30.92	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0010	LF	3" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	37.58	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0011	LF	3-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	42.04	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0012	LF	4" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	45.34	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0013	LF	5" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	53.32	
		Note: Includes fire caulking on both nailing flanges		
07 72 26 00-0014	LF	6" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides.....	61.02	
		Note: Includes fire caulking on both nailing flanges		
07 72 29		Rafter Vent (07 72)		
07 72 29 00-0001		Rafter Vent (07 72 29)		
		Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA	22" x 4" Rafter Vent.....	11.23	
07 72 29 00-0003	EA	14" x 4" Rafter Vent.....	10.10	
07 72 33		Roof Hatches (07 72)		
		Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001		Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch.....	1,046.59	172.24
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch.....	1,484.59	191.38
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch.....	2,557.29	260.99
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch.....	1,454.05	191.38
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,637.88	212.67
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,640.12	290.06
07 72 33 00-0008		Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch.....	1,013.04	172.24
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch.....	1,289.21	191.38
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch.....	2,269.73	260.99
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch.....	1,253.24	191.38
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch.....	2,132.58	212.67
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch.....	2,385.18	290.06
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight.....	1,382.51	191.38
07 72 33 00-0016		Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed.....	1,009.51	172.24
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed.....	1,330.60	191.38
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed.....	1,821.83	260.99
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed.....	1,235.13	191.38
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,496.64	212.67
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,032.79	290.06
07 72 33 00-0023		Stainless Steel (07 72 33)		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch	3,216.73	172.24
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch	6,167.56	191.38
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch	9,276.96	260.99
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch	4,947.68	191.38
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch	10,472.38	212.67
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch	11,725.45	290.06
07 72 33 00-0030			Removal And Reinstallation Of Roof Hatch (07 72 33) Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch, All Types	529.78	
07 72 33 00-0032			Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	985.87	191.38
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,262.04	212.67
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,199.10	289.94
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,231.50	197.36
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,072.81	218.65
07 72 33 00-0038			Roof Hatch Accessories (07 72 33)		
07 72 33 00-0039	EA		Enamel Steel, Roof Hatch Ladderup Safety Post	630.03	89.71
07 72 33 00-0040			Roof Hatch Safety Railing (07 72 33) Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,153.21	
07 72 33 00-0042	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,235.28	
07 72 33 00-0043	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,291.50	
07 72 33 00-0044	EA		30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,493.75	
07 72 33 00-0045	EA		36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,727.18	
07 72 33 00-0046	EA		48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,488.20	
07 72 36			Smoke Vents (07 72)		
07 72 36 00-0001			Fire Vent (07 72 36)		
07 72 36 00-0002			Galvanized Steel Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0003	EA		4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,442.56	159.56
07 72 36 00-0004	EA		4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,828.89	219.36
07 72 36 00-0005	EA		4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,218.95	239.34
07 72 36 00-0006	EA		4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,286.33	251.30
07 72 36 00-0007	EA		5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,775.20	219.36
07 72 36 00-0008	EA		5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,016.96	239.34
07 72 36 00-0009	EA		5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,244.57	259.31
07 72 36 00-0010	EA		5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,825.31	279.29
07 72 36 00-0011	EA		5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,963.95	299.14
07 72 36 00-0012	EA		5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,025.65	259.31
07 72 36 00-0013	EA		5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,352.58	319.12
07 72 36 00-0014	EA		6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,660.80	339.10
07 72 36 00-0015			Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)		
07 72 36 00-0016	EA		4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	1,999.66	159.56
07 72 36 00-0017	EA		4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,312.15	219.36
07 72 36 00-0018	EA		4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,597.42	239.34
07 72 36 00-0019	EA		4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,691.44	251.30
07 72 36 00-0020	EA		5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,600.12	219.36
07 72 36 00-0021	EA		5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,298.34	239.34
07 72 36 00-0022	EA		5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,529.25	259.31
07 72 36 00-0023	EA		5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,450.49	279.29
07 72 36 00-0024	EA		5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,795.29	299.14
07 72 36 00-0025	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,339.08	259.31
07 72 36 00-0026	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,248.77	319.12
07 72 36 00-0027	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,322.87	339.10
07 72 36 00-0028			Aluminum Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0029	EA		4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,173.53	159.56
07 72 36 00-0030	EA		4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,600.12	219.36
07 72 36 00-0031	EA		4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	2,852.79	239.34
07 72 36 00-0032	EA		4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,017.45	251.30
07 72 36 00-0033	EA		5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,730.52	219.36
07 72 36 00-0034	EA		5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,434.17	239.34
07 72 36 00-0035	EA		5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,648.79	259.31
07 72 36 00-0036	EA		5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,776.49	279.29
07 72 36 00-0037	EA		5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,561.65	299.14
07 72 36 00-0038	EA		5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,491.22	259.31
07 72 36 00-0039	EA		5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,808.42	319.12

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,648.87	339.10
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)				
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	2,151.79	159.08
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	2,735.95	219.36
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	2,903.33	251.30
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	3,089.13	219.36
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....	3,287.49	279.29
07 72 38 Roof Dormers (07 72)				
07 72 38 13 Roof Dormer Vent (07 72 38)				
07 72 38 13-0001 Copper Roof Dormer Vent (07 72 38 13) Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.				
07 72 38 13-0002 Half Round Copper Roof Dormer Vent (07 72 38 13-0001)				
07 72 38 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	477.43	75.62
07 72 38 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	597.64	75.62
07 72 38 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	734.00	75.62
07 72 38 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	836.27	75.62
07 72 38 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	958.27	75.62
07 72 38 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,076.69	75.62
07 72 38 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,196.90	75.62
07 72 38 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,317.11	75.62
07 72 38 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,437.32	75.62
07 72 38 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,555.74	75.62
07 72 38 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,675.95	75.62
07 72 38 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,796.16	75.62
07 72 38 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	864.97	75.62
07 72 38 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	985.19	75.62
07 72 38 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,121.55	75.62
07 72 38 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,223.81	75.62
07 72 38 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,345.82	75.62
07 72 38 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,464.24	75.62
07 72 38 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,584.45	75.62
07 72 38 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,704.66	75.62
07 72 38 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,824.87	75.62
07 72 38 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,943.29	75.62
07 72 38 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,063.50	75.62
07 72 38 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,183.71	75.62
07 72 38 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	563.87	91.55
07 72 38 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	684.08	91.55
07 72 38 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	820.44	91.55
07 72 38 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	922.71	91.55
07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,044.71	91.55
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,163.13	91.55
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,283.34	91.55
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,403.55	91.55
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,523.77	91.55
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,642.18	91.55
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,762.39	91.55
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,882.61	91.55
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	951.42	91.55
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,071.63	91.55
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,207.99	91.55
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,310.26	91.55
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,432.26	91.55
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,550.68	91.55
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,670.89	91.55
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,791.10	91.55
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,911.31	91.55
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,029.73	91.55
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,149.94	91.55
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,270.15	91.55
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	656.28	102.16
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	776.49	102.16
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	912.85	102.16
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,015.12	102.16
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,137.12	102.16
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,255.54	102.16
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,375.75	102.16
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,495.96	102.16
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,616.18	102.16
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,734.59	102.16
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,854.80	102.16
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,975.02	102.16
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,043.83	102.16
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,164.04	102.16



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,300.40		102.16
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,402.67		102.16
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,524.67		102.16
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,643.09		102.16
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,763.30		102.16
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,883.51		102.16
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,003.72		102.16
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,122.14		102.16
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,242.35		102.16
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,362.56		102.16
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	765.92		116.76
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	886.13		116.76
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,022.49		116.76
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,124.76		116.76
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,246.76		116.76
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,365.18		116.76
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,485.39		116.76
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,605.60		116.76
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,725.81		116.76
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,844.23		116.76
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,964.44		116.76
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,084.65		116.76
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,153.46		116.76
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,273.68		116.76
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,410.03		116.76
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,512.30		116.76
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,634.31		116.76
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,752.73		116.76
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,872.94		116.76
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,993.15		116.76
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,113.36		116.76
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,231.78		116.76
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,351.99		116.76
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,472.20		116.76
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,088.04		130.02
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,208.25		130.02
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,344.61		130.02
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,446.88		130.02
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,568.89		130.02
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,687.30		130.02
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,807.52		130.02
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,927.73		130.02
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,047.94		130.02
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,166.36		130.02
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,286.57		130.02
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,406.78		130.02
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,475.59		130.02
07 72 38 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,595.80		130.02
07 72 38 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,732.16		130.02
07 72 38 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,834.43		130.02
07 72 38 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,956.43		130.02
07 72 38 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,074.85		130.02
07 72 38 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,195.06		130.02
07 72 38 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,315.27		130.02
07 72 38 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,435.49		130.02
07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,553.90		130.02
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,674.11		130.02
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,794.33		130.02
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,472.45		130.02
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,609.91		140.64
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,746.27		140.64
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,848.54		140.64
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,970.54		140.64
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,088.96		140.64
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,209.17		140.64
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,329.38		140.64
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,449.60		140.64
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,568.01		140.64
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,688.22		140.64
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,808.44		140.64
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,877.25		140.64
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,997.46		140.64
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,133.82		140.64
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,236.09		140.64
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,358.09		140.64
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,476.51		140.64
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,596.72		140.64
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,716.93		140.64
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,837.14		140.64
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,955.56		140.64
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,075.77		140.64

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 38 13-0146 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope..... 3,195.98 140.64

07 72 38 13-0147 Third Round Copper Roof Dormer Vent (07 72 38 13-0001)

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	719.29	116.76
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	839.50	116.76
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	975.86	116.76
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,078.13	116.76
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,200.13	116.76
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,318.55	116.76
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,438.76	116.76
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,558.97	116.76
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,679.18	116.76
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,797.60	116.76
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,917.81	116.76
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,038.02	116.76
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	945.35	116.76
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,065.57	116.76
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,201.93	116.76
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,304.19	116.76
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,426.20	116.76
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,544.62	116.76
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,664.83	116.76
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,785.04	116.76
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,905.25	116.76
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,023.67	116.76
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,143.88	116.76
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,264.09	116.76
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	819.20	130.02
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	939.41	130.02
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,075.77	130.02
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,178.04	130.02
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,300.04	130.02
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,418.46	130.02
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,538.67	130.02
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,658.88	130.02
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,779.10	130.02
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,897.51	130.02
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,017.72	130.02
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,137.94	130.02
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,045.27	130.02
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,165.48	130.02
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,301.84	130.02
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,404.11	130.02
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,526.11	130.02
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,644.53	130.02
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,764.74	130.02
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,884.95	130.02
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,005.16	130.02
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,123.58	130.02
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,243.79	130.02
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,364.00	130.02
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,046.33	130.02
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,183.79	140.64
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,320.15	140.64
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,422.42	140.64
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,544.42	140.64
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,662.84	140.64
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,783.05	140.64
07 72 38 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,903.26	140.64
07 72 38 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,023.47	140.64
07 72 38 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,141.89	140.64
07 72 38 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,262.10	140.64
07 72 38 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,382.31	140.64
07 72 38 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,289.65	140.64
07 72 38 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,409.86	140.64
07 72 38 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,546.22	140.64
07 72 38 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,648.49	140.64
07 72 38 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,770.49	140.64
07 72 38 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,888.91	140.64
07 72 38 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,009.12	140.64
07 72 38 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,129.33	140.64
07 72 38 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,249.54	140.64
07 72 38 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,367.96	140.64
07 72 38 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,488.17	140.64
07 72 38 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,608.38	140.64

07 72 38 13-0220 Triangle Copper Roof Dormer Vent (07 72 38 13-0001)

07 72 38 13-0221	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	811.04	75.62
07 72 38 13-0222	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	931.25	75.62



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0223	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,067.61	75.62
07 72 38 13-0224	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,169.88	75.62
07 72 38 13-0225	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,291.89	75.62
07 72 38 13-0226	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,410.30	75.62
07 72 38 13-0227	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,530.52	75.62
07 72 38 13-0228	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,650.73	75.62
07 72 38 13-0229	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,770.94	75.62
07 72 38 13-0230	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,889.36	75.62
07 72 38 13-0231	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,009.57	75.62
07 72 38 13-0232	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,129.78	75.62
07 72 38 13-0233	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,198.59	75.62
07 72 38 13-0234	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,318.80	75.62
07 72 38 13-0235	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,455.16	75.62
07 72 38 13-0236	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,557.43	75.62
07 72 38 13-0237	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,679.43	75.62
07 72 38 13-0238	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,797.85	75.62
07 72 38 13-0239	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,918.06	75.62
07 72 38 13-0240	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,038.27	75.62
07 72 38 13-0241	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,158.49	75.62
07 72 38 13-0242	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,276.90	75.62
07 72 38 13-0243	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,397.11	75.62
07 72 38 13-0244	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,517.33	75.62
07 72 38 13-0245	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	873.05	75.62
07 72 38 13-0246	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	993.26	75.62
07 72 38 13-0247	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,129.62	75.62
07 72 38 13-0248	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,231.89	75.62
07 72 38 13-0249	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,353.89	75.62
07 72 38 13-0250	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,472.31	75.62
07 72 38 13-0251	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,592.52	75.62
07 72 38 13-0252	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,712.73	75.62
07 72 38 13-0253	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,832.95	75.62
07 72 38 13-0254	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,951.36	75.62
07 72 38 13-0255	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,071.57	75.62
07 72 38 13-0256	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,191.79	75.62
07 72 38 13-0257	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,260.60	75.62
07 72 38 13-0258	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,380.81	75.62
07 72 38 13-0259	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,517.17	75.62
07 72 38 13-0260	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,619.44	75.62
07 72 38 13-0261	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,741.44	75.62
07 72 38 13-0262	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,859.86	75.62
07 72 38 13-0263	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,980.07	75.62
07 72 38 13-0264	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,100.28	75.62
07 72 38 13-0265	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,220.49	75.62
07 72 38 13-0266	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,338.91	75.62
07 72 38 13-0267	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,459.12	75.62
07 72 38 13-0268	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,579.33	75.62
07 72 38 13-0269	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	978.28	91.55
07 72 38 13-0270	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,098.49	91.55
07 72 38 13-0271	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,234.85	91.55
07 72 38 13-0272	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,337.12	91.55
07 72 38 13-0273	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,459.12	91.55
07 72 38 13-0274	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,577.54	91.55
07 72 38 13-0275	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,697.75	91.55
07 72 38 13-0276	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,817.96	91.55
07 72 38 13-0277	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,938.17	91.55
07 72 38 13-0278	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,056.59	91.55
07 72 38 13-0279	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,176.80	91.55
07 72 38 13-0280	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,297.01	91.55
07 72 38 13-0281	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,365.82	91.55
07 72 38 13-0282	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,486.03	91.55
07 72 38 13-0283	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,622.39	91.55
07 72 38 13-0284	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,724.66	91.55
07 72 38 13-0285	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,846.67	91.55
07 72 38 13-0286	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,965.09	91.55
07 72 38 13-0287	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,085.30	91.55
07 72 38 13-0288	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,205.51	91.55
07 72 38 13-0289	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,325.72	91.55
07 72 38 13-0290	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,444.14	91.55
07 72 38 13-0291	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,564.35	91.55
07 72 38 13-0292	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,684.56	91.55
07 72 38 13-0293	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,088.51	91.55
07 72 38 13-0294	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,208.72	91.55
07 72 38 13-0295	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,345.08	91.55
07 72 38 13-0296	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,447.35	91.55
07 72 38 13-0297	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,569.36	91.55
07 72 38 13-0298	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,687.77	91.55
07 72 38 13-0299	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,807.99	91.55
07 72 38 13-0300	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,928.20	91.55
07 72 38 13-0301	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,048.41	91.55
07 72 38 13-0302	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,166.83	91.55
07 72 38 13-0303	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,287.04	91.55

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 38 13-0304	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,407.25	91.55
07 72 38 13-0305	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,476.06	91.55
07 72 38 13-0306	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,596.27	91.55
07 72 38 13-0307	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,732.63	91.55
07 72 38 13-0308	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,834.90	91.55
07 72 38 13-0309	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,956.90	91.55
07 72 38 13-0310	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,075.32	91.55
07 72 38 13-0311	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,195.53	91.55
07 72 38 13-0312	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,315.74	91.55
07 72 38 13-0313	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,435.96	91.55
07 72 38 13-0314	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,554.37	91.55
07 72 38 13-0315	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,674.58	91.55
07 72 38 13-0316	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,794.80	91.55
07 72 38 13-0317	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,181.55	102.16
07 72 38 13-0318	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,301.76	102.16
07 72 38 13-0319	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,438.12	102.16
07 72 38 13-0320	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,540.39	102.16
07 72 38 13-0321	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,662.39	102.16
07 72 38 13-0322	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,780.81	102.16
07 72 38 13-0323	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,901.02	102.16
07 72 38 13-0324	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,021.23	102.16
07 72 38 13-0325	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,141.45	102.16
07 72 38 13-0326	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,259.86	102.16
07 72 38 13-0327	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,380.07	102.16
07 72 38 13-0328	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,500.29	102.16
07 72 38 13-0329	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,569.10	102.16
07 72 38 13-0330	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,689.31	102.16
07 72 38 13-0331	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,825.67	102.16
07 72 38 13-0332	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,927.94	102.16
07 72 38 13-0333	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,049.94	102.16
07 72 38 13-0334	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,168.36	102.16
07 72 38 13-0335	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,288.57	102.16
07 72 38 13-0336	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,408.78	102.16
07 72 38 13-0337	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,528.99	102.16
07 72 38 13-0338	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,647.41	102.16
07 72 38 13-0339	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,767.62	102.16
07 72 38 13-0340	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,887.83	102.16
07 72 38 13-0341	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,353.79	102.16
07 72 38 13-0342	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,474.00	102.16
07 72 38 13-0343	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,610.36	102.16
07 72 38 13-0344	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,712.63	102.16
07 72 38 13-0345	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,834.64	102.16
07 72 38 13-0346	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,953.05	102.16
07 72 38 13-0347	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,073.27	102.16
07 72 38 13-0348	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,193.48	102.16
07 72 38 13-0349	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,313.69	102.16
07 72 38 13-0350	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,432.11	102.16
07 72 38 13-0351	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,552.32	102.16
07 72 38 13-0352	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,672.53	102.16
07 72 38 13-0353	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,741.34	102.16
07 72 38 13-0354	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,861.55	102.16
07 72 38 13-0355	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,997.91	102.16
07 72 38 13-0356	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,100.18	102.16
07 72 38 13-0357	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,222.18	102.16
07 72 38 13-0358	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,340.60	102.16
07 72 38 13-0359	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,460.81	102.16
07 72 38 13-0360	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,581.02	102.16
07 72 38 13-0361	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,701.24	102.16
07 72 38 13-0362	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,819.65	102.16
07 72 38 13-0363	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,939.86	102.16
07 72 38 13-0364	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,060.08	102.16
07 72 38 13-0365	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,430.13	116.76
07 72 38 13-0366	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,550.34	116.76
07 72 38 13-0367	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,686.70	116.76
07 72 38 13-0368	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,788.97	116.76
07 72 38 13-0369	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,910.97	116.76
07 72 38 13-0370	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,029.39	116.76
07 72 38 13-0371	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,149.60	116.76
07 72 38 13-0372	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,269.81	116.76
07 72 38 13-0373	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,390.03	116.76
07 72 38 13-0374	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,508.44	116.76
07 72 38 13-0375	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,628.65	116.76
07 72 38 13-0376	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,748.87	116.76
07 72 38 13-0377	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,817.68	116.76
07 72 38 13-0378	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,937.89	116.76
07 72 38 13-0379	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,074.25	116.76
07 72 38 13-0380	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,176.52	116.76
07 72 38 13-0381	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,298.52	116.76
07 72 38 13-0382	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,416.94	116.76
07 72 38 13-0383	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,537.15	116.76
07 72 38 13-0384	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,657.36	116.76



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0385	EA		36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,777.57	116.76
07 72 38 13-0386	EA		36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,895.99	116.76
07 72 38 13-0387	EA		36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,016.20	116.76
07 72 38 13-0388	EA		36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,136.41	116.76
07 72 38 13-0389	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,678.16	116.76
07 72 38 13-0390	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,798.37	116.76
07 72 38 13-0391	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,934.73	116.76
07 72 38 13-0392	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,037.00	116.76
07 72 38 13-0393	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,159.01	116.76
07 72 38 13-0394	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,277.42	116.76
07 72 38 13-0395	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,397.63	116.76
07 72 38 13-0396	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,517.85	116.76
07 72 38 13-0397	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,638.06	116.76
07 72 38 13-0398	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,756.47	116.76
07 72 38 13-0399	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,876.69	116.76
07 72 38 13-0400	EA		36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,996.90	116.76
07 72 38 13-0401	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,065.71	116.76
07 72 38 13-0402	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,185.92	116.76
07 72 38 13-0403	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,322.28	116.76
07 72 38 13-0404	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,424.55	116.76
07 72 38 13-0405	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,546.55	116.76
07 72 38 13-0406	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,664.97	116.76
07 72 38 13-0407	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,785.18	116.76
07 72 38 13-0408	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,905.39	116.76
07 72 38 13-0409	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,025.60	116.76
07 72 38 13-0410	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,144.02	116.76
07 72 38 13-0411	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,264.23	116.76
07 72 38 13-0412	EA		36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,384.44	116.76
07 72 38 13-0413	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,718.74	130.02
07 72 38 13-0414	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,838.95	130.02
07 72 38 13-0415	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,975.31	130.02
07 72 38 13-0416	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,077.58	130.02
07 72 38 13-0417	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,199.58	130.02
07 72 38 13-0418	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,318.00	130.02
07 72 38 13-0419	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,438.21	130.02
07 72 38 13-0420	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,558.42	130.02
07 72 38 13-0421	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,678.64	130.02
07 72 38 13-0422	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,797.05	130.02
07 72 38 13-0423	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,917.26	130.02
07 72 38 13-0424	EA		42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,037.48	130.02
07 72 38 13-0425	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,106.29	130.02
07 72 38 13-0426	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,226.50	130.02
07 72 38 13-0427	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,362.86	130.02
07 72 38 13-0428	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,465.13	130.02
07 72 38 13-0429	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,587.13	130.02
07 72 38 13-0430	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,705.55	130.02
07 72 38 13-0431	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,825.76	130.02
07 72 38 13-0432	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,945.97	130.02
07 72 38 13-0433	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,066.18	130.02
07 72 38 13-0434	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,184.60	130.02
07 72 38 13-0435	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,304.81	130.02
07 72 38 13-0436	EA		42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,425.02	130.02
07 72 38 13-0437	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,056.34	129.59
07 72 38 13-0438	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,176.55	129.59
07 72 38 13-0439	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,312.91	129.59
07 72 38 13-0440	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,415.18	129.59
07 72 38 13-0441	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,537.18	129.59
07 72 38 13-0442	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,655.60	129.59
07 72 38 13-0443	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,775.81	129.59
07 72 38 13-0444	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,896.02	129.59
07 72 38 13-0445	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,016.23	129.59
07 72 38 13-0446	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,134.65	129.59
07 72 38 13-0447	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,254.86	129.59
07 72 38 13-0448	EA		42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,375.07	129.59
07 72 38 13-0449	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,443.88	129.59
07 72 38 13-0450	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,564.09	129.59
07 72 38 13-0451	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,700.45	129.59
07 72 38 13-0452	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,802.72	129.59
07 72 38 13-0453	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,924.73	129.59
07 72 38 13-0454	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,043.15	129.59
07 72 38 13-0455	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,163.36	129.59
07 72 38 13-0456	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,283.57	129.59
07 72 38 13-0457	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,403.78	129.59
07 72 38 13-0458	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,522.20	129.59
07 72 38 13-0459	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,642.41	129.59
07 72 38 13-0460	EA		42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,762.62	129.59
07 72 38 13-0461	EA		48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,028.78	129.59
07 72 38 13-0462	EA		48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,166.24	140.98
07 72 38 13-0463	EA		48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,302.60	140.98
07 72 38 13-0464	EA		48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,404.87	140.98
07 72 38 13-0465	EA		48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,526.87	140.98

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0466 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,645.29	140.98
07 72 38 13-0467 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,765.50	140.98
07 72 38 13-0468 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,885.71	140.98
07 72 38 13-0469 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	3,005.92	140.98
07 72 38 13-0470 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	3,124.34	140.98
07 72 38 13-0471 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,244.55	140.98
07 72 38 13-0472 EA 48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,364.76	140.98
07 72 38 13-0473 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	2,433.57	140.98
07 72 38 13-0474 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,553.79	140.98
07 72 38 13-0475 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,690.14	140.98
07 72 38 13-0476 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,792.41	140.98
07 72 38 13-0477 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,914.42	140.98
07 72 38 13-0478 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	3,032.84	140.98
07 72 38 13-0479 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	3,153.05	140.98
07 72 38 13-0480 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,273.26	140.98
07 72 38 13-0481 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,393.47	140.98
07 72 38 13-0482 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,511.89	140.98
07 72 38 13-0483 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,632.10	140.98
07 72 38 13-0484 EA 48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,752.31	140.98
07 72 38 13-0485 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,469.72	129.59
07 72 38 13-0486 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	2,607.18	140.98
07 72 38 13-0487 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	2,743.54	140.98
07 72 38 13-0488 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,845.81	140.98
07 72 38 13-0489 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,967.81	140.98
07 72 38 13-0490 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	3,086.23	140.98
07 72 38 13-0491 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	3,206.44	140.98
07 72 38 13-0492 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	3,326.65	140.98
07 72 38 13-0493 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	3,446.87	140.98
07 72 38 13-0494 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	3,565.28	140.98
07 72 38 13-0495 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,685.49	140.98
07 72 38 13-0496 EA 48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,805.71	140.98
07 72 38 13-0497 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	2,874.52	140.98
07 72 38 13-0498 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,994.73	140.98
07 72 38 13-0499 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	3,131.09	140.98
07 72 38 13-0500 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	3,233.36	140.98
07 72 38 13-0501 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	3,355.36	140.98
07 72 38 13-0502 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	3,473.78	140.98
07 72 38 13-0503 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	3,593.99	140.98
07 72 38 13-0504 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,714.20	140.98
07 72 38 13-0505 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,834.41	140.98
07 72 38 13-0506 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,952.83	140.98
07 72 38 13-0507 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	4,073.04	140.98
07 72 38 13-0508 EA 48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	4,193.25	140.98

07 72 38 13-0509 Archd Triangle Copper Roof Dormer Vent (07 72 38 13-0001)

07 72 38 13-0510 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	904.02	75.62
07 72 38 13-0511 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,024.23	75.62
07 72 38 13-0512 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,160.59	75.62
07 72 38 13-0513 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,262.86	75.62
07 72 38 13-0514 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,384.86	75.62
07 72 38 13-0515 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,503.28	75.62
07 72 38 13-0516 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,623.49	75.62
07 72 38 13-0517 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,743.70	75.62
07 72 38 13-0518 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,863.91	75.62
07 72 38 13-0519 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,982.33	75.62
07 72 38 13-0520 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,102.54	75.62
07 72 38 13-0521 EA 18" x 9" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,222.75	75.62
07 72 38 13-0522 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,291.56	75.62
07 72 38 13-0523 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,411.78	75.62
07 72 38 13-0524 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,548.13	75.62
07 72 38 13-0525 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,650.40	75.62
07 72 38 13-0526 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,772.41	75.62
07 72 38 13-0527 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,890.83	75.62
07 72 38 13-0528 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,011.04	75.62
07 72 38 13-0529 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,131.25	75.62
07 72 38 13-0530 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,251.46	75.62
07 72 38 13-0531 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,369.88	75.62
07 72 38 13-0532 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,490.09	75.62
07 72 38 13-0533 EA 18" x 9" Archd Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,610.30	75.62
07 72 38 13-0534 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	977.11	75.62
07 72 38 13-0535 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,097.32	75.62
07 72 38 13-0536 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,233.68	75.62
07 72 38 13-0537 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,335.95	75.62
07 72 38 13-0538 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,457.96	75.62
07 72 38 13-0539 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,576.38	75.62
07 72 38 13-0540 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,696.59	75.62
07 72 38 13-0541 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,816.80	75.62
07 72 38 13-0542 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,937.01	75.62
07 72 38 13-0543 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,055.43	75.62
07 72 38 13-0544 EA 18" x 12" Archd Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,175.64	75.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0545	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,295.85	75.62
07 72 38 13-0546	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,364.66	75.62
07 72 38 13-0547	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,484.87	75.62
07 72 38 13-0548	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,621.23	75.62
07 72 38 13-0549	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,723.50	75.62
07 72 38 13-0550	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,845.51	75.62
07 72 38 13-0551	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,963.92	75.62
07 72 38 13-0552	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,084.13	75.62
07 72 38 13-0553	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,204.35	75.62
07 72 38 13-0554	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,324.56	75.62
07 72 38 13-0555	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,442.97	75.62
07 72 38 13-0556	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,563.19	75.62
07 72 38 13-0557	EA	18" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,683.40	75.62
07 72 38 13-0558	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,097.12	91.55
07 72 38 13-0559	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,217.33	91.55
07 72 38 13-0560	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,353.69	91.55
07 72 38 13-0561	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,455.96	91.55
07 72 38 13-0562	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,577.97	91.55
07 72 38 13-0563	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,696.39	91.55
07 72 38 13-0564	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,816.60	91.55
07 72 38 13-0565	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,936.81	91.55
07 72 38 13-0566	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,057.02	91.55
07 72 38 13-0567	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,175.44	91.55
07 72 38 13-0568	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,295.65	91.55
07 72 38 13-0569	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,415.86	91.55
07 72 38 13-0570	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,484.67	91.55
07 72 38 13-0571	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,604.88	91.55
07 72 38 13-0572	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,741.24	91.55
07 72 38 13-0573	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,843.51	91.55
07 72 38 13-0574	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,965.52	91.55
07 72 38 13-0575	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,083.93	91.55
07 72 38 13-0576	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,204.14	91.55
07 72 38 13-0577	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,324.36	91.55
07 72 38 13-0578	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,444.57	91.55
07 72 38 13-0579	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,562.98	91.55
07 72 38 13-0580	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,683.20	91.55
07 72 38 13-0581	EA	24" x 12"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,803.41	91.55
07 72 38 13-0582	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,227.08	91.55
07 72 38 13-0583	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,347.29	91.55
07 72 38 13-0584	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,483.65	91.55
07 72 38 13-0585	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,585.92	91.55
07 72 38 13-0586	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,707.92	91.55
07 72 38 13-0587	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,826.34	91.55
07 72 38 13-0588	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,946.55	91.55
07 72 38 13-0589	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,066.76	91.55
07 72 38 13-0590	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,186.97	91.55
07 72 38 13-0591	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,305.39	91.55
07 72 38 13-0592	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,425.60	91.55
07 72 38 13-0593	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,545.81	91.55
07 72 38 13-0594	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,614.62	91.55
07 72 38 13-0595	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,734.84	91.55
07 72 38 13-0596	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,871.20	91.55
07 72 38 13-0597	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,973.46	91.55
07 72 38 13-0598	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,095.47	91.55
07 72 38 13-0599	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,213.89	91.55
07 72 38 13-0600	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,334.10	91.55
07 72 38 13-0601	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,454.31	91.55
07 72 38 13-0602	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,574.52	91.55
07 72 38 13-0603	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,692.94	91.55
07 72 38 13-0604	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,813.15	91.55
07 72 38 13-0605	EA	24" x 16"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,933.36	91.55
07 72 38 13-0606	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,333.68	102.16
07 72 38 13-0607	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,453.89	102.16
07 72 38 13-0608	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,590.25	102.16
07 72 38 13-0609	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,692.52	102.16
07 72 38 13-0610	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,814.52	102.16
07 72 38 13-0611	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,932.94	102.16
07 72 38 13-0612	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,053.15	102.16
07 72 38 13-0613	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,173.36	102.16
07 72 38 13-0614	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,293.58	102.16
07 72 38 13-0615	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,411.99	102.16
07 72 38 13-0616	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,532.20	102.16
07 72 38 13-0617	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,652.42	102.16
07 72 38 13-0618	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,721.23	102.16
07 72 38 13-0619	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,841.44	102.16
07 72 38 13-0620	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,977.80	102.16
07 72 38 13-0621	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,080.07	102.16
07 72 38 13-0622	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,202.07	102.16
07 72 38 13-0623	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,320.49	102.16
07 72 38 13-0624	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,440.70	102.16
07 72 38 13-0625	EA	30" x 15"	Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,560.91	102.16

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 38 13-0626	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,681.12	102.16
07 72 38 13-0627	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,799.54	102.16
07 72 38 13-0628	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,919.75	102.16
07 72 38 13-0629	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,039.96	102.16
07 72 38 13-0630	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,536.73	102.16
07 72 38 13-0631	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,656.94	102.16
07 72 38 13-0632	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,793.30	102.16
07 72 38 13-0633	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,895.57	102.16
07 72 38 13-0634	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,017.57	102.16
07 72 38 13-0635	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,135.99	102.16
07 72 38 13-0636	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,256.20	102.16
07 72 38 13-0637	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,376.41	102.16
07 72 38 13-0638	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,496.63	102.16
07 72 38 13-0639	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,615.04	102.16
07 72 38 13-0640	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,735.25	102.16
07 72 38 13-0641	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,855.47	102.16
07 72 38 13-0642	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,924.28	102.16
07 72 38 13-0643	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,044.49	102.16
07 72 38 13-0644	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,180.85	102.16
07 72 38 13-0645	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,283.12	102.16
07 72 38 13-0646	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,405.12	102.16
07 72 38 13-0647	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,523.54	102.16
07 72 38 13-0648	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,643.75	102.16
07 72 38 13-0649	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,763.96	102.16
07 72 38 13-0650	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,884.17	102.16
07 72 38 13-0651	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,002.59	102.16
07 72 38 13-0652	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,122.80	102.16
07 72 38 13-0653	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,243.01	102.16
07 72 38 13-0654	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,622.92	116.76
07 72 38 13-0655	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,743.13	116.76
07 72 38 13-0656	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,879.49	116.76
07 72 38 13-0657	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,981.76	116.76
07 72 38 13-0658	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,103.76	116.76
07 72 38 13-0659	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,222.18	116.76
07 72 38 13-0660	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,342.39	116.76
07 72 38 13-0661	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,462.60	116.76
07 72 38 13-0662	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,582.81	116.76
07 72 38 13-0663	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,701.23	116.76
07 72 38 13-0664	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,821.44	116.76
07 72 38 13-0665	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,941.65	116.76
07 72 38 13-0666	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,010.46	116.76
07 72 38 13-0667	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,130.67	116.76
07 72 38 13-0668	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,267.03	116.76
07 72 38 13-0669	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,369.30	116.76
07 72 38 13-0670	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,491.31	116.76
07 72 38 13-0671	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,609.73	116.76
07 72 38 13-0672	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,729.94	116.76
07 72 38 13-0673	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,850.15	116.76
07 72 38 13-0674	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,970.36	116.76
07 72 38 13-0675	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,088.78	116.76
07 72 38 13-0676	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,208.99	116.76
07 72 38 13-0677	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,329.20	116.76
07 72 38 13-0678	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,915.32	116.76
07 72 38 13-0679	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,035.53	116.76
07 72 38 13-0680	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,171.89	116.76
07 72 38 13-0681	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,274.16	116.76
07 72 38 13-0682	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,396.16	116.76
07 72 38 13-0683	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,514.58	116.76
07 72 38 13-0684	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,634.79	116.76
07 72 38 13-0685	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,755.00	116.76
07 72 38 13-0686	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,875.21	116.76
07 72 38 13-0687	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,993.63	116.76
07 72 38 13-0688	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,113.84	116.76
07 72 38 13-0689	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,234.05	116.76
07 72 38 13-0690	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,302.86	116.76
07 72 38 13-0691	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,423.08	116.76
07 72 38 13-0692	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,559.43	116.76
07 72 38 13-0693	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,661.70	116.76
07 72 38 13-0694	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,783.71	116.76
07 72 38 13-0695	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,902.13	116.76
07 72 38 13-0696	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,022.34	116.76
07 72 38 13-0697	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,142.55	116.76
07 72 38 13-0698	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,262.76	116.76
07 72 38 13-0699	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,381.18	116.76
07 72 38 13-0700	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,501.39	116.76
07 72 38 13-0701	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,621.60	116.76
07 72 38 13-0702	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,959.59	130.02
07 72 38 13-0703	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,079.80	130.02
07 72 38 13-0704	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,216.16	130.02
07 72 38 13-0705	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,318.43	130.02
07 72 38 13-0706	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,440.44	130.02



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

10

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
07 72 38 13-0707	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,558.85	130.02
07 72 38 13-0708	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,679.07	130.02
07 72 38 13-0709	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,799.28	130.02
07 72 38 13-0710	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,919.49	130.02
07 72 38 13-0711	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,037.91	130.02
07 72 38 13-0712	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,158.12	130.02
07 72 38 13-0713	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,278.33	130.02
07 72 38 13-0714	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,347.14	130.02
07 72 38 13-0715	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,467.35	130.02
07 72 38 13-0716	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,603.71	130.02
07 72 38 13-0717	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,705.98	130.02
07 72 38 13-0718	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,827.98	130.02
07 72 38 13-0719	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,946.40	130.02
07 72 38 13-0720	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,066.61	130.02
07 72 38 13-0721	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,186.82	130.02
07 72 38 13-0722	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,307.04	130.02
07 72 38 13-0723	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,425.45	130.02
07 72 38 13-0724	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,545.66	130.02
07 72 38 13-0725	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,665.88	130.02
07 72 38 13-0726	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,357.58	129.59
07 72 38 13-0727	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,477.79	129.59
07 72 38 13-0728	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,614.15	129.59
07 72 38 13-0729	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,716.42	129.59
07 72 38 13-0730	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,838.43	129.59
07 72 38 13-0731	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,956.84	129.59
07 72 38 13-0732	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,077.06	129.59
07 72 38 13-0733	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,197.27	129.59
07 72 38 13-0734	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,317.48	129.59
07 72 38 13-0735	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,435.90	129.59
07 72 38 13-0736	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,556.11	129.59
07 72 38 13-0737	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,676.32	129.59
07 72 38 13-0738	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,745.13	129.59
07 72 38 13-0739	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,865.34	129.59
07 72 38 13-0740	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,001.70	129.59
07 72 38 13-0741	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,103.97	129.59
07 72 38 13-0742	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,225.97	129.59
07 72 38 13-0743	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,344.39	129.59
07 72 38 13-0744	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,464.60	129.59
07 72 38 13-0745	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,584.81	129.59
07 72 38 13-0746	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,705.03	129.59
07 72 38 13-0747	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,823.44	129.59
07 72 38 13-0748	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,943.65	129.59
07 72 38 13-0749	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,063.87	129.59
07 72 38 13-0750	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,325.09	129.59
07 72 38 13-0751	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,462.55	140.98
07 72 38 13-0752	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,598.91	140.98
07 72 38 13-0753	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,701.18	140.98
07 72 38 13-0754	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,823.18	140.98
07 72 38 13-0755	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,941.60	140.98
07 72 38 13-0756	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,061.81	140.98
07 72 38 13-0757	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,182.02	140.98
07 72 38 13-0758	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,302.24	140.98
07 72 38 13-0759	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,420.65	140.98
07 72 38 13-0760	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,540.86	140.98
07 72 38 13-0761	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,661.08	140.98
07 72 38 13-0762	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,729.89	140.98
07 72 38 13-0763	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,850.10	140.98
07 72 38 13-0764	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,986.46	140.98
07 72 38 13-0765	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,088.73	140.98
07 72 38 13-0766	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,210.73	140.98
07 72 38 13-0767	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,329.15	140.98
07 72 38 13-0768	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,449.36	140.98
07 72 38 13-0769	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,569.57	140.98
07 72 38 13-0770	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,689.78	140.98
07 72 38 13-0771	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,808.20	140.98
07 72 38 13-0772	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,928.41	140.98
07 72 38 13-0773	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,048.62	140.98
07 72 38 13-0774	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,844.90	129.59
07 72 38 13-0775	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,982.37	140.98
07 72 38 13-0776	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,118.72	140.98
07 72 38 13-0777	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,220.99	140.98
07 72 38 13-0778	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,343.00	140.98
07 72 38 13-0779	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,461.42	140.98
07 72 38 13-0780	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,581.63	140.98
07 72 38 13-0781	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,701.84	140.98
07 72 38 13-0782	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,822.05	140.98
07 72 38 13-0783	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,940.47	140.98
07 72 38 13-0784	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,060.68	140.98
07 72 38 13-0785	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,180.89	140.98
07 72 38 13-0786	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,249.70	140.98
07 72 38 13-0787	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,369.91	140.98

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0788	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,506.27	140.98
07 72 38 13-0789	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,608.54	140.98
07 72 38 13-0790	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,730.55	140.98
07 72 38 13-0791	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,848.96	140.98
07 72 38 13-0792	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,969.18	140.98
07 72 38 13-0793	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,089.39	140.98
07 72 38 13-0794	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,209.60	140.98
07 72 38 13-0795	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,328.02	140.98
07 72 38 13-0796	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,448.23	140.98
07 72 38 13-0797	EA		48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,568.44	140.98
07 72 38 13-0798 Eyebrow Copper Roof Dormer Vent (07 72 38 13-0001)					
07 72 38 13-0799	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	758.94	116.76
07 72 38 13-0800	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	879.15	116.76
07 72 38 13-0801	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,015.51	116.76
07 72 38 13-0802	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,117.78	116.76
07 72 38 13-0803	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,239.78	116.76
07 72 38 13-0804	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,358.20	116.76
07 72 38 13-0805	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,478.41	116.76
07 72 38 13-0806	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,598.62	116.76
07 72 38 13-0807	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,718.83	116.76
07 72 38 13-0808	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,837.25	116.76
07 72 38 13-0809	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,957.46	116.76
07 72 38 13-0810	EA		36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,077.67	116.76
07 72 38 13-0811	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,146.48	116.76
07 72 38 13-0812	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,266.70	116.76
07 72 38 13-0813	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,403.05	116.76
07 72 38 13-0814	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,505.32	116.76
07 72 38 13-0815	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,627.33	116.76
07 72 38 13-0816	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,745.75	116.76
07 72 38 13-0817	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,865.96	116.76
07 72 38 13-0818	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,986.17	116.76
07 72 38 13-0819	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,106.38	116.76
07 72 38 13-0820	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,224.80	116.76
07 72 38 13-0821	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,345.01	116.76
07 72 38 13-0822	EA		36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,465.22	116.76
07 72 38 13-0823	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,288.53	130.02
07 72 38 13-0824	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,408.74	130.02
07 72 38 13-0825	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,545.10	130.02
07 72 38 13-0826	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,647.37	130.02
07 72 38 13-0827	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,769.37	130.02
07 72 38 13-0828	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,887.79	130.02
07 72 38 13-0829	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,008.00	130.02
07 72 38 13-0830	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,128.21	130.02
07 72 38 13-0831	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,248.42	130.02
07 72 38 13-0832	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,366.84	130.02
07 72 38 13-0833	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,487.05	130.02
07 72 38 13-0834	EA		42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,607.26	130.02
07 72 38 13-0835	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,676.07	130.02
07 72 38 13-0836	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,796.28	130.02
07 72 38 13-0837	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,932.64	130.02
07 72 38 13-0838	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,034.91	130.02
07 72 38 13-0839	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,156.92	130.02
07 72 38 13-0840	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,275.34	130.02
07 72 38 13-0841	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,395.55	130.02
07 72 38 13-0842	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,515.76	130.02
07 72 38 13-0843	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,635.97	130.02
07 72 38 13-0844	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,754.39	130.02
07 72 38 13-0845	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,874.60	130.02
07 72 38 13-0846	EA		42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,994.81	130.02
07 72 38 13-0847	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,725.38	130.02
07 72 38 13-0848	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,862.84	140.64
07 72 38 13-0849	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,999.20	140.64
07 72 38 13-0850	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,101.47	140.64
07 72 38 13-0851	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,223.47	140.64
07 72 38 13-0852	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,341.89	140.64
07 72 38 13-0853	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,462.10	140.64
07 72 38 13-0854	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,582.31	140.64
07 72 38 13-0855	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,702.52	140.64
07 72 38 13-0856	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,820.94	140.64
07 72 38 13-0857	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,941.15	140.64
07 72 38 13-0858	EA		48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,061.36	140.64
07 72 38 13-0859	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	2,130.17	140.64
07 72 38 13-0860	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,250.39	140.64
07 72 38 13-0861	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,386.75	140.64
07 72 38 13-0862	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,489.01	140.64
07 72 38 13-0863	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,611.02	140.64
07 72 38 13-0864	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,729.44	140.64
07 72 38 13-0865	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,849.65	140.64
07 72 38 13-0866	EA		48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,969.86	140.64



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
07 72 38 13-0867	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,090.07		140.64	
07 72 38 13-0868	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,208.49		140.64	
07 72 38 13-0869	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,328.70		140.64	
07 72 38 13-0870	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,448.91		140.64	
07 72 38 13-0871 Rectangle Copper Roof Dormer Vent (07 72 38 13-0001)						
07 72 38 13-0872	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	886.31		76.18	
07 72 38 13-0873	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	959.71		76.18	
07 72 38 13-0874	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,033.11		76.18	
07 72 38 13-0875	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,106.51		76.18	
07 72 38 13-0876	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,179.91		76.18	
07 72 38 13-0877	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,253.31		76.18	
07 72 38 13-0878	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,326.71		76.18	
07 72 38 13-0879	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,400.11		76.18	
07 72 38 13-0880	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,473.51		76.18	
07 72 38 13-0881	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,546.91		76.18	
07 72 38 13-0882	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,620.32		76.18	
07 72 38 13-0883	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,693.72		76.18	
07 72 38 13-0884	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,273.86		76.18	
07 72 38 13-0885	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,347.26		76.18	
07 72 38 13-0886	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,420.66		76.18	
07 72 38 13-0887	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,494.06		76.18	
07 72 38 13-0888	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,567.46		76.18	
07 72 38 13-0889	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,640.86		76.18	
07 72 38 13-0890	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,714.26		76.18	
07 72 38 13-0891	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,787.66		76.18	
07 72 38 13-0892	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,861.06		76.18	
07 72 38 13-0893	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,934.46		76.18	
07 72 38 13-0894	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,007.86		76.18	
07 72 38 13-0895	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,081.26		76.18	
07 72 38 13-0896	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,059.84		91.06	
07 72 38 13-0897	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,133.24		91.06	
07 72 38 13-0898	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,206.64		91.06	
07 72 38 13-0899	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,280.04		91.06	
07 72 38 13-0900	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,353.44		91.06	
07 72 38 13-0901	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,426.84		91.06	
07 72 38 13-0902	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,500.24		91.06	
07 72 38 13-0903	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,573.64		91.06	
07 72 38 13-0904	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,647.05		91.06	
07 72 38 13-0905	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,720.45		91.06	
07 72 38 13-0906	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,793.85		91.06	
07 72 38 13-0907	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,867.25		91.06	
07 72 38 13-0908	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,447.39		91.06	
07 72 38 13-0909	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,520.79		91.06	
07 72 38 13-0910	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,594.19		91.06	
07 72 38 13-0911	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,667.59		91.06	
07 72 38 13-0912	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,740.99		91.06	
07 72 38 13-0913	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,814.39		91.06	
07 72 38 13-0914	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,887.79		91.06	
07 72 38 13-0915	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,961.19		91.06	
07 72 38 13-0916	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,034.59		91.06	
07 72 38 13-0917	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,107.99		91.06	
07 72 38 13-0918	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,181.39		91.06	
07 72 38 13-0919	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,254.80		91.06	
07 72 38 13-0920	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,337.88		102.45	
07 72 38 13-0921	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,411.28		102.45	
07 72 38 13-0922	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,484.68		102.45	
07 72 38 13-0923	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,558.08		102.45	
07 72 38 13-0924	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,631.48		102.45	
07 72 38 13-0925	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,704.88		102.45	
07 72 38 13-0926	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,778.28		102.45	
07 72 38 13-0927	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,851.68		102.45	
07 72 38 13-0928	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,925.08		102.45	
07 72 38 13-0929	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,998.48		102.45	
07 72 38 13-0930	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,071.88		102.45	
07 72 38 13-0931	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,145.28		102.45	
07 72 38 13-0932	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,725.42		102.45	
07 72 38 13-0933	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,798.82		102.45	
07 72 38 13-0934	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,872.23		102.45	
07 72 38 13-0935	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,945.63		102.45	
07 72 38 13-0936	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,019.03		102.45	
07 72 38 13-0937	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,092.43		102.45	
07 72 38 13-0938	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,165.83		102.45	
07 72 38 13-0939	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,239.23		102.45	
07 72 38 13-0940	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,312.63		102.45	
07 72 38 13-0941	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,386.03		102.45	
07 72 38 13-0942	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,459.43		102.45	
07 72 38 13-0943	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,532.83		102.45	
07 72 38 13-0944	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,935.57		116.47	
07 72 38 13-0945	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,008.97		116.47	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0946	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,082.37	116.47
07 72 38 13-0947	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,155.78	116.47
07 72 38 13-0948	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,229.18	116.47
07 72 38 13-0949	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,302.58	116.47
07 72 38 13-0950	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,375.98	116.47
07 72 38 13-0951	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,449.38	116.47
07 72 38 13-0952	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,522.78	116.47
07 72 38 13-0953	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,596.18	116.47
07 72 38 13-0954	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,669.58	116.47
07 72 38 13-0955	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,742.98	116.47
07 72 38 13-0956	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,323.12	116.47
07 72 38 13-0957	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,396.52	116.47
07 72 38 13-0958	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,469.92	116.47
07 72 38 13-0959	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,543.32	116.47
07 72 38 13-0960	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,616.72	116.47
07 72 38 13-0961	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,690.12	116.47
07 72 38 13-0962	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,763.52	116.47
07 72 38 13-0963	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,836.93	116.47
07 72 38 13-0964	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,910.33	116.47
07 72 38 13-0965	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,983.73	116.47
07 72 38 13-0966	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,057.13	116.47
07 72 38 13-0967	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,130.53	116.47
07 72 38 13-0968	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,559.41	129.59
07 72 38 13-0969	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,632.81	129.59
07 72 38 13-0970	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,706.21	129.59
07 72 38 13-0971	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,779.61	129.59
07 72 38 13-0972	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,853.01	129.59
07 72 38 13-0973	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,926.41	129.59
07 72 38 13-0974	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,999.82	129.59
07 72 38 13-0975	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,073.22	129.59
07 72 38 13-0976	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,146.62	129.59
07 72 38 13-0977	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,220.02	129.59
07 72 38 13-0978	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,293.42	129.59
07 72 38 13-0979	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,366.82	129.59
07 72 38 13-0980	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,946.96	129.59
07 72 38 13-0981	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,020.36	129.59
07 72 38 13-0982	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,093.76	129.59
07 72 38 13-0983	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,167.16	129.59
07 72 38 13-0984	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,240.56	129.59
07 72 38 13-0985	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,313.96	129.59
07 72 38 13-0986	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,387.36	129.59
07 72 38 13-0987	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,460.76	129.59
07 72 38 13-0988	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,534.16	129.59
07 72 38 13-0989	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,607.56	129.59
07 72 38 13-0990	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,680.97	129.59
07 72 38 13-0991	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,754.37	129.59
07 72 38 13-0992	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	3,273.14	129.59
07 72 38 13-0993	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,363.79	140.98
07 72 38 13-0994	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,437.20	140.98
07 72 38 13-0995	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,510.60	140.98
07 72 38 13-0996	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,584.00	140.98
07 72 38 13-0997	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,657.40	140.98
07 72 38 13-0998	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,730.80	140.98
07 72 38 13-0999	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,804.20	140.98
07 72 38 13-1000	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,877.60	140.98
07 72 38 13-1001	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,951.00	140.98
07 72 38 13-1002	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,024.40	140.98
07 72 38 13-1003	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,097.80	140.98
07 72 38 13-1004	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,677.94	140.98
07 72 38 13-1005	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,751.34	140.98
07 72 38 13-1006	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,824.74	140.98
07 72 38 13-1007	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,898.14	140.98
07 72 38 13-1008	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,971.54	140.98
07 72 38 13-1009	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	4,044.94	140.98
07 72 38 13-1010	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,118.35	140.98
07 72 38 13-1011	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,191.75	140.98
07 72 38 13-1012	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,265.15	140.98
07 72 38 13-1013	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,338.55	140.98
07 72 38 13-1014	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,411.95	140.98
07 72 38 13-1015	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,485.35	140.98
07 72 38 13-1016 Tombstone Copper Roof Dormer Vent ^(07 72 38 13-0001)				
07 72 38 13-1017	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	931.54	76.18
07 72 38 13-1018	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,051.75	76.18
07 72 38 13-1019	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,188.11	76.18
07 72 38 13-1020	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,290.38	76.18
07 72 38 13-1021	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,412.39	76.18
07 72 38 13-1022	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,530.80	76.18
07 72 38 13-1023	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,651.01	76.18
07 72 38 13-1024	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,771.23	76.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1025	EA	12" x 18"	Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,891.44	76.18
07 72 38 13-1026	EA	12" x 18"	Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,009.85	76.18
07 72 38 13-1027	EA	12" x 18"	Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,130.07	76.18
07 72 38 13-1028	EA	12" x 18"	Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,250.28	76.18
07 72 38 13-1029	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,319.09	76.18
07 72 38 13-1030	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,439.30	76.18
07 72 38 13-1031	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,575.66	76.18
07 72 38 13-1032	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,677.93	76.18
07 72 38 13-1033	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,799.93	76.18
07 72 38 13-1034	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,918.35	76.18
07 72 38 13-1035	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,038.56	76.18
07 72 38 13-1036	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,158.77	76.18
07 72 38 13-1037	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,278.98	76.18
07 72 38 13-1038	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,397.40	76.18
07 72 38 13-1039	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,517.61	76.18
07 72 38 13-1040	EA	12" x 18"	Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,637.82	76.18
07 72 38 13-1041	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,079.16	91.06
07 72 38 13-1042	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,199.37	91.06
07 72 38 13-1043	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,335.73	91.06
07 72 38 13-1044	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,438.00	91.06
07 72 38 13-1045	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,560.01	91.06
07 72 38 13-1046	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,678.43	91.06
07 72 38 13-1047	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,798.64	91.06
07 72 38 13-1048	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,918.85	91.06
07 72 38 13-1049	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,039.06	91.06
07 72 38 13-1050	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,157.48	91.06
07 72 38 13-1051	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,277.69	91.06
07 72 38 13-1052	EA	15" x 21"	Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,397.90	91.06
07 72 38 13-1053	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,466.71	91.06
07 72 38 13-1054	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,586.92	91.06
07 72 38 13-1055	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,723.28	91.06
07 72 38 13-1056	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,825.55	91.06
07 72 38 13-1057	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,947.56	91.06
07 72 38 13-1058	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,065.97	91.06
07 72 38 13-1059	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,186.18	91.06
07 72 38 13-1060	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,306.40	91.06
07 72 38 13-1061	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,426.61	91.06
07 72 38 13-1062	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,545.02	91.06
07 72 38 13-1063	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,665.24	91.06
07 72 38 13-1064	EA	15" x 21"	Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,785.45	91.06
07 72 38 13-1065	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,312.44	102.45
07 72 38 13-1066	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,432.65	102.45
07 72 38 13-1067	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,569.01	102.45
07 72 38 13-1068	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,671.28	102.45
07 72 38 13-1069	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,793.28	102.45
07 72 38 13-1070	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,911.70	102.45
07 72 38 13-1071	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,031.91	102.45
07 72 38 13-1072	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,152.12	102.45
07 72 38 13-1073	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,272.33	102.45
07 72 38 13-1074	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,390.75	102.45
07 72 38 13-1075	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,510.96	102.45
07 72 38 13-1076	EA	18" x 27"	Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,631.17	102.45
07 72 38 13-1077	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,699.98	102.45
07 72 38 13-1078	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,820.19	102.45
07 72 38 13-1079	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,956.55	102.45
07 72 38 13-1080	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,058.82	102.45
07 72 38 13-1081	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,180.83	102.45
07 72 38 13-1082	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,299.25	102.45
07 72 38 13-1083	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,419.46	102.45
07 72 38 13-1084	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,539.67	102.45
07 72 38 13-1085	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,659.88	102.45
07 72 38 13-1086	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,778.30	102.45
07 72 38 13-1087	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,898.51	102.45
07 72 38 13-1088	EA	18" x 27"	Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,018.72	102.45
07 72 38 13-1089	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,811.16	116.47
07 72 38 13-1090	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,931.37	116.47
07 72 38 13-1091	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,067.73	116.47
07 72 38 13-1092	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,170.00	116.47
07 72 38 13-1093	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,292.01	116.47
07 72 38 13-1094	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,410.43	116.47
07 72 38 13-1095	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,530.64	116.47
07 72 38 13-1096	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,650.85	116.47
07 72 38 13-1097	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,771.06	116.47
07 72 38 13-1098	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,889.48	116.47
07 72 38 13-1099	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,009.69	116.47
07 72 38 13-1100	EA	24" x 36"	Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,129.90	116.47
07 72 38 13-1101	EA	24" x 36"	Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,198.71	116.47
07 72 38 13-1102	EA	24" x 36"	Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,318.92	116.47
07 72 38 13-1103	EA	24" x 36"	Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,455.28	116.47
07 72 38 13-1104	EA	24" x 36"	Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,557.55	116.47
07 72 38 13-1105	EA	24" x 36"	Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,679.56	116.47

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 38 13-1106	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,797.97	116.47
07 72 38 13-1107	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,918.19	116.47
07 72 38 13-1108	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,038.40	116.47
07 72 38 13-1109	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,158.61	116.47
07 72 38 13-1110	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,277.03	116.47
07 72 38 13-1111	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,397.24	116.47
07 72 38 13-1112	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,517.45	116.47
07 72 38 13-1113	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,331.33	129.59
07 72 38 13-1114	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	2,451.54	129.59
07 72 38 13-1115	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	2,587.90	129.59
07 72 38 13-1116	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,690.17	129.59
07 72 38 13-1117	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,812.18	129.59
07 72 38 13-1118	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,930.60	129.59
07 72 38 13-1119	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	3,050.81	129.59
07 72 38 13-1120	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	3,171.02	129.59
07 72 38 13-1121	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	3,291.23	129.59
07 72 38 13-1122	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	3,409.65	129.59
07 72 38 13-1123	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,529.86	129.59
07 72 38 13-1124	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,650.07	129.59
07 72 38 13-1125	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,718.88	129.59
07 72 38 13-1126	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,839.09	129.59
07 72 38 13-1127	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,975.45	129.59
07 72 38 13-1128	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	3,077.72	129.59
07 72 38 13-1129	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	3,199.73	129.59
07 72 38 13-1130	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	3,318.14	129.59
07 72 38 13-1131	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	3,438.35	129.59
07 72 38 13-1132	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,558.57	129.59
07 72 38 13-1133	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,678.78	129.59
07 72 38 13-1134	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,797.19	129.59
07 72 38 13-1135	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,917.41	129.59
07 72 38 13-1136	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	4,037.62	129.59
07 72 38 13-1137	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,922.56	129.59
07 72 38 13-1138	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	3,060.02	140.98
07 72 38 13-1139	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	3,196.38	140.98
07 72 38 13-1140	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	3,298.65	140.98
07 72 38 13-1141	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	3,420.65	140.98
07 72 38 13-1142	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	3,539.07	140.98
07 72 38 13-1143	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	3,659.28	140.98
07 72 38 13-1144	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	3,779.49	140.98
07 72 38 13-1145	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	3,899.70	140.98
07 72 38 13-1146	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	4,018.12	140.98
07 72 38 13-1147	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	4,138.33	140.98
07 72 38 13-1148	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	4,258.54	140.98
07 72 38 13-1149	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	3,327.35	140.98
07 72 38 13-1150	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	3,447.57	140.98
07 72 38 13-1151	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	3,583.93	140.98
07 72 38 13-1152	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	3,686.19	140.98
07 72 38 13-1153	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	3,808.20	140.98
07 72 38 13-1154	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	3,926.62	140.98
07 72 38 13-1155	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	4,046.83	140.98
07 72 38 13-1156	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	4,167.04	140.98
07 72 38 13-1157	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	4,287.25	140.98
07 72 38 13-1158	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	4,405.67	140.98
07 72 38 13-1159	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	4,525.88	140.98
07 72 38 13-1160	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	4,646.09	140.98

07 72 38 13-1161 **Arched Top Copper Roof Dormer Vent** (07 72 38 13-0001)

07 72 38 13-1162	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	926.53	76.18
07 72 38 13-1163	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,036.63	76.18
07 72 38 13-1164	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,146.72	76.18
07 72 38 13-1165	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,256.81	76.18
07 72 38 13-1166	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,366.90	76.18
07 72 38 13-1167	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,476.99	76.18
07 72 38 13-1168	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,587.09	76.18
07 72 38 13-1169	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,697.18	76.18
07 72 38 13-1170	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,807.27	76.18
07 72 38 13-1171	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,917.36	76.18
07 72 38 13-1172	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,027.46	76.18
07 72 38 13-1173	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,137.55	76.18
07 72 38 13-1174	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,314.08	76.18
07 72 38 13-1175	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,424.17	76.18
07 72 38 13-1176	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,534.27	76.18
07 72 38 13-1177	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,644.36	76.18
07 72 38 13-1178	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,754.45	76.18
07 72 38 13-1179	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,864.54	76.18
07 72 38 13-1180	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,974.63	76.18
07 72 38 13-1181	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,084.73	76.18
07 72 38 13-1182	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,194.82	76.18
07 72 38 13-1183	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,304.91	76.18
07 72 38 13-1184	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,415.00	76.18



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1185	EA		12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,525.09	76.18
07 72 38 13-1186	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,090.83	91.06
07 72 38 13-1187	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,200.92	91.06
07 72 38 13-1188	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,311.01	91.06
07 72 38 13-1189	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,421.10	91.06
07 72 38 13-1190	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,531.19	91.06
07 72 38 13-1191	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,641.29	91.06
07 72 38 13-1192	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,751.38	91.06
07 72 38 13-1193	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,861.47	91.06
07 72 38 13-1194	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,971.56	91.06
07 72 38 13-1195	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,081.65	91.06
07 72 38 13-1196	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,191.75	91.06
07 72 38 13-1197	EA		15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,301.84	91.06
07 72 38 13-1198	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,478.37	91.06
07 72 38 13-1199	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,588.47	91.06
07 72 38 13-1200	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,698.56	91.06
07 72 38 13-1201	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,808.65	91.06
07 72 38 13-1202	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,918.74	91.06
07 72 38 13-1203	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,028.83	91.06
07 72 38 13-1204	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,138.93	91.06
07 72 38 13-1205	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,249.02	91.06
07 72 38 13-1206	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,359.11	91.06
07 72 38 13-1207	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,469.20	91.06
07 72 38 13-1208	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,579.29	91.06
07 72 38 13-1209	EA		15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,689.39	91.06
07 72 38 13-1210	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,282.19	102.45
07 72 38 13-1211	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,392.28	102.45
07 72 38 13-1212	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,502.37	102.45
07 72 38 13-1213	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,612.46	102.45
07 72 38 13-1214	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,722.55	102.45
07 72 38 13-1215	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,832.65	102.45
07 72 38 13-1216	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,942.74	102.45
07 72 38 13-1217	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,052.83	102.45
07 72 38 13-1218	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,162.92	102.45
07 72 38 13-1219	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,273.01	102.45
07 72 38 13-1220	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,383.11	102.45
07 72 38 13-1221	EA		18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,493.20	102.45
07 72 38 13-1222	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,669.73	102.45
07 72 38 13-1223	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,779.82	102.45
07 72 38 13-1224	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,889.92	102.45
07 72 38 13-1225	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,000.01	102.45
07 72 38 13-1226	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,110.10	102.45
07 72 38 13-1227	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,220.19	102.45
07 72 38 13-1228	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,330.28	102.45
07 72 38 13-1229	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,440.38	102.45
07 72 38 13-1230	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,550.47	102.45
07 72 38 13-1231	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,660.56	102.45
07 72 38 13-1232	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,770.65	102.45
07 72 38 13-1233	EA		18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,880.75	102.45
07 72 38 13-1234	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,716.50	116.47
07 72 38 13-1235	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,826.59	116.47
07 72 38 13-1236	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,936.69	116.47
07 72 38 13-1237	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,046.78	116.47
07 72 38 13-1238	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,156.87	116.47
07 72 38 13-1239	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,266.96	116.47
07 72 38 13-1240	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,377.05	116.47
07 72 38 13-1241	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,487.15	116.47
07 72 38 13-1242	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,597.24	116.47
07 72 38 13-1243	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,707.33	116.47
07 72 38 13-1244	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,817.42	116.47
07 72 38 13-1245	EA		24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,927.51	116.47
07 72 38 13-1246	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	2,104.05	116.47
07 72 38 13-1247	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,214.14	116.47
07 72 38 13-1248	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,324.23	116.47
07 72 38 13-1249	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,434.33	116.47
07 72 38 13-1250	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,544.42	116.47
07 72 38 13-1251	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,654.51	116.47
07 72 38 13-1252	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,764.60	116.47
07 72 38 13-1253	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,874.69	116.47
07 72 38 13-1254	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,984.79	116.47
07 72 38 13-1255	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,094.88	116.47
07 72 38 13-1256	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,204.97	116.47
07 72 38 13-1257	EA		24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,315.06	116.47
07 72 38 13-1258	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,303.25	129.59
07 72 38 13-1259	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	2,413.35	129.59
07 72 38 13-1260	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	2,523.44	129.59
07 72 38 13-1261	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,633.53	129.59
07 72 38 13-1262	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,743.62	129.59
07 72 38 13-1263	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,853.71	129.59
07 72 38 13-1264	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,963.81	129.59
07 72 38 13-1265	EA		30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	3,073.90	129.59

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1266	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,183.99	129.59	
07 72 38 13-1267	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,294.08	129.59	
07 72 38 13-1268	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,404.17	129.59	
07 72 38 13-1269	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,514.27	129.59	
07 72 38 13-1270	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,690.80	129.59	
07 72 38 13-1271	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,800.89	129.59	
07 72 38 13-1272	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,910.98	129.59	
07 72 38 13-1273	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,021.08	129.59	
07 72 38 13-1274	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,131.17	129.59	
07 72 38 13-1275	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,241.26	129.59	
07 72 38 13-1276	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,351.35	129.59	
07 72 38 13-1277	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,461.45	129.59	
07 72 38 13-1278	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,571.54	129.59	
07 72 38 13-1279	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,681.63	129.59	
07 72 38 13-1280	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,791.72	129.59	
07 72 38 13-1281	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,901.81	129.59	
07 72 38 13-1282	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,951.16	129.59	
07 72 38 13-1283	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,078.50	140.98	
07 72 38 13-1284	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,188.59	140.98	
07 72 38 13-1285	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,298.68	140.98	
07 72 38 13-1286	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,408.78	140.98	
07 72 38 13-1287	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,518.87	140.98	
07 72 38 13-1288	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,628.96	140.98	
07 72 38 13-1289	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,739.05	140.98	
07 72 38 13-1290	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,849.14	140.98	
07 72 38 13-1291	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,959.24	140.98	
07 72 38 13-1292	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,069.33	140.98	
07 72 38 13-1293	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,179.42	140.98	
07 72 38 13-1294	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,355.95	140.98	
07 72 38 13-1295	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,466.05	140.98	
07 72 38 13-1296	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,576.14	140.98	
07 72 38 13-1297	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,686.23	140.98	
07 72 38 13-1298	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,796.32	140.98	
07 72 38 13-1299	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,906.41	140.98	
07 72 38 13-1300	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,016.51	140.98	
07 72 38 13-1301	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,126.60	140.98	
07 72 38 13-1302	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,236.69	140.98	
07 72 38 13-1303	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,346.78	140.98	
07 72 38 13-1304	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,456.88	140.98	
07 72 38 13-1305	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,566.97	140.98	
07 72 38 13-1306 Hipped Roof Copper Roof Dormer Vent (07 72 38 13-0001)					
07 72 38 13-1307	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	931.54	76.18	
07 72 38 13-1308	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,025.32	76.18	
07 72 38 13-1309	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,119.11	76.18	
07 72 38 13-1310	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,212.89	76.18	
07 72 38 13-1311	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,306.67	76.18	
07 72 38 13-1312	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,400.45	76.18	
07 72 38 13-1313	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,494.24	76.18	
07 72 38 13-1314	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,588.02	76.18	
07 72 38 13-1315	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,681.80	76.18	
07 72 38 13-1316	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,775.59	76.18	
07 72 38 13-1317	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,869.37	76.18	
07 72 38 13-1318	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,963.15	76.18	
07 72 38 13-1319	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,319.09	76.18	
07 72 38 13-1320	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,412.87	76.18	
07 72 38 13-1321	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,506.65	76.18	
07 72 38 13-1322	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,600.44	76.18	
07 72 38 13-1323	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,694.22	76.18	
07 72 38 13-1324	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,788.00	76.18	
07 72 38 13-1325	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,881.78	76.18	
07 72 38 13-1326	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,975.57	76.18	
07 72 38 13-1327	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,069.35	76.18	
07 72 38 13-1328	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,163.13	76.18	
07 72 38 13-1329	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,256.92	76.18	
07 72 38 13-1330	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,350.70	76.18	
07 72 38 13-1331	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,030.99	91.06	
07 72 38 13-1332	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,124.77	91.06	
07 72 38 13-1333	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,218.55	91.06	
07 72 38 13-1334	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,312.34	91.06	
07 72 38 13-1335	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,406.12	91.06	
07 72 38 13-1336	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,499.90	91.06	
07 72 38 13-1337	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,593.69	91.06	
07 72 38 13-1338	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,687.47	91.06	
07 72 38 13-1339	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,781.25	91.06	
07 72 38 13-1340	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,875.03	91.06	
07 72 38 13-1341	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,968.82	91.06	
07 72 38 13-1342	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,062.60	91.06	
07 72 38 13-1343	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,418.54	91.06	
07 72 38 13-1344	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,512.32	91.06	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

10

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
07 72 38 13-1345	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,606.10	91.06
07 72 38 13-1346	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,699.88	91.06
07 72 38 13-1347	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,793.67	91.06
07 72 38 13-1348	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,887.45	91.06
07 72 38 13-1349	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,981.23	91.06
07 72 38 13-1350	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,075.02	91.06
07 72 38 13-1351	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,168.80	91.06
07 72 38 13-1352	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,262.58	91.06
07 72 38 13-1353	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,356.36	91.06
07 72 38 13-1354	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,450.15	91.06
07 72 38 13-1355	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,250.73	102.45
07 72 38 13-1356	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,344.52	102.45
07 72 38 13-1357	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,438.30	102.45
07 72 38 13-1358	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,532.08	102.45
07 72 38 13-1359	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,625.86	102.45
07 72 38 13-1360	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,719.65	102.45
07 72 38 13-1361	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,813.43	102.45
07 72 38 13-1362	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,907.21	102.45
07 72 38 13-1363	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,001.00	102.45
07 72 38 13-1364	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,094.78	102.45
07 72 38 13-1365	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,188.56	102.45
07 72 38 13-1366	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,282.34	102.45
07 72 38 13-1367	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,638.28	102.45
07 72 38 13-1368	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,732.06	102.45
07 72 38 13-1369	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,825.85	102.45
07 72 38 13-1370	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,919.63	102.45
07 72 38 13-1371	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,013.41	102.45
07 72 38 13-1372	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,107.19	102.45
07 72 38 13-1373	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,200.98	102.45
07 72 38 13-1374	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,294.76	102.45
07 72 38 13-1375	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,388.54	102.45
07 72 38 13-1376	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,482.33	102.45
07 72 38 13-1377	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,576.11	102.45
07 72 38 13-1378	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,669.89	102.45
07 72 38 13-1379	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,719.57	116.47
07 72 38 13-1380	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,813.35	116.47
07 72 38 13-1381	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,907.14	116.47
07 72 38 13-1382	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,000.92	116.47
07 72 38 13-1383	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,094.70	116.47
07 72 38 13-1384	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,188.48	116.47
07 72 38 13-1385	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,282.27	116.47
07 72 38 13-1386	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,376.05	116.47
07 72 38 13-1387	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,469.83	116.47
07 72 38 13-1388	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,563.62	116.47
07 72 38 13-1389	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,657.40	116.47
07 72 38 13-1390	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,751.18	116.47
07 72 38 13-1391	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,107.12	116.47
07 72 38 13-1392	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,200.90	116.47
07 72 38 13-1393	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,294.68	116.47
07 72 38 13-1394	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,388.47	116.47
07 72 38 13-1395	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,482.25	116.47
07 72 38 13-1396	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,576.03	116.47
07 72 38 13-1397	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,669.81	116.47
07 72 38 13-1398	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,763.60	116.47
07 72 38 13-1399	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,857.38	116.47
07 72 38 13-1400	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,951.16	116.47
07 72 38 13-1401	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,044.95	116.47
07 72 38 13-1402	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,138.73	116.47
07 72 38 13-1403	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,208.41	129.59
07 72 38 13-1404	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,302.19	129.59
07 72 38 13-1405	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,395.98	129.59
07 72 38 13-1406	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,489.76	129.59
07 72 38 13-1407	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,583.54	129.59
07 72 38 13-1408	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,677.33	129.59
07 72 38 13-1409	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,771.11	129.59
07 72 38 13-1410	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,864.89	129.59
07 72 38 13-1411	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,958.67	129.59
07 72 38 13-1412	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,052.46	129.59
07 72 38 13-1413	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,146.24	129.59
07 72 38 13-1414	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,240.02	129.59
07 72 38 13-1415	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,595.96	129.59
07 72 38 13-1416	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,689.74	129.59
07 72 38 13-1417	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,783.52	129.59
07 72 38 13-1418	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,877.31	129.59
07 72 38 13-1419	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,971.09	129.59
07 72 38 13-1420	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,064.87	129.59
07 72 38 13-1421	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,158.66	129.59
07 72 38 13-1422	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,252.44	129.59
07 72 38 13-1423	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,346.22	129.59
07 72 38 13-1424	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,440.00	129.59
07 72 38 13-1425	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,533.79	129.59

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1426	EA		30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,627.57	129.59
07 72 38 13-1427	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,762.60	129.59
07 72 38 13-1428	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	2,873.64	140.98
07 72 38 13-1429	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	2,967.42	140.98
07 72 38 13-1430	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	3,061.20	140.98
07 72 38 13-1431	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	3,154.99	140.98
07 72 38 13-1432	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	3,248.77	140.98
07 72 38 13-1433	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	3,342.55	140.98
07 72 38 13-1434	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	3,436.33	140.98
07 72 38 13-1435	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	3,530.12	140.98
07 72 38 13-1436	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	3,623.90	140.98
07 72 38 13-1437	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,717.68	140.98
07 72 38 13-1438	EA		36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,811.47	140.98
07 72 38 13-1439	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	3,167.40	140.98
07 72 38 13-1440	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	3,261.18	140.98
07 72 38 13-1441	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	3,354.97	140.98
07 72 38 13-1442	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	3,448.75	140.98
07 72 38 13-1443	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	3,542.53	140.98
07 72 38 13-1444	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	3,636.32	140.98
07 72 38 13-1445	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	3,730.10	140.98
07 72 38 13-1446	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,823.88	140.98
07 72 38 13-1447	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,917.66	140.98
07 72 38 13-1448	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	4,011.45	140.98
07 72 38 13-1449	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	4,105.23	140.98
07 72 38 13-1450	EA		36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	4,199.01	140.98
07 72 38 13-1451 Gabled Roof Copper Roof Dormer Vent (07 72 38 13-0001)					
07 72 38 13-1452	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	865.26	76.18
07 72 38 13-1453	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	959.04	76.18
07 72 38 13-1454	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,052.83	76.18
07 72 38 13-1455	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,146.61	76.18
07 72 38 13-1456	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,240.39	76.18
07 72 38 13-1457	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,334.18	76.18
07 72 38 13-1458	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,427.96	76.18
07 72 38 13-1459	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,521.74	76.18
07 72 38 13-1460	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,615.52	76.18
07 72 38 13-1461	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,709.31	76.18
07 72 38 13-1462	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,803.09	76.18
07 72 38 13-1463	EA		12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,896.87	76.18
07 72 38 13-1464	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,252.81	76.18
07 72 38 13-1465	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,346.59	76.18
07 72 38 13-1466	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,440.37	76.18
07 72 38 13-1467	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,534.16	76.18
07 72 38 13-1468	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,627.94	76.18
07 72 38 13-1469	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,721.72	76.18
07 72 38 13-1470	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,815.51	76.18
07 72 38 13-1471	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,909.29	76.18
07 72 38 13-1472	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,003.07	76.18
07 72 38 13-1473	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,096.85	76.18
07 72 38 13-1474	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,190.64	76.18
07 72 38 13-1475	EA		12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,284.42	76.18
07 72 38 13-1476	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	999.72	91.06
07 72 38 13-1477	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,093.50	91.06
07 72 38 13-1478	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,187.28	91.06
07 72 38 13-1479	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,281.06	91.06
07 72 38 13-1480	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,374.85	91.06
07 72 38 13-1481	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,468.63	91.06
07 72 38 13-1482	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,562.41	91.06
07 72 38 13-1483	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,656.20	91.06
07 72 38 13-1484	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,749.98	91.06
07 72 38 13-1485	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,843.76	91.06
07 72 38 13-1486	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,937.54	91.06
07 72 38 13-1487	EA		15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,031.33	91.06
07 72 38 13-1488	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,387.26	91.06
07 72 38 13-1489	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,481.05	91.06
07 72 38 13-1490	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,574.83	91.06
07 72 38 13-1491	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,668.61	91.06
07 72 38 13-1492	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,762.39	91.06
07 72 38 13-1493	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,856.18	91.06
07 72 38 13-1494	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,949.96	91.06
07 72 38 13-1495	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,043.74	91.06
07 72 38 13-1496	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,137.53	91.06
07 72 38 13-1497	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,231.31	91.06
07 72 38 13-1498	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,325.09	91.06
07 72 38 13-1499	EA		15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,418.87	91.06
07 72 38 13-1500	EA		18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,210.26	102.45
07 72 38 13-1501	EA		18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,304.04	102.45
07 72 38 13-1502	EA		18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,397.82	102.45
07 72 38 13-1503	EA		18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,491.60	102.45
07 72 38 13-1504	EA		18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,585.39	102.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1505	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,679.17	102.45
07 72 38 13-1506	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,772.95	102.45
07 72 38 13-1507	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,866.74	102.45
07 72 38 13-1508	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,960.52	102.45
07 72 38 13-1509	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,054.30	102.45
07 72 38 13-1510	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,148.08	102.45
07 72 38 13-1511	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,241.87	102.45
07 72 38 13-1512	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,597.80	102.45
07 72 38 13-1513	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,691.59	102.45
07 72 38 13-1514	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,785.37	102.45
07 72 38 13-1515	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,879.15	102.45
07 72 38 13-1516	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,972.93	102.45
07 72 38 13-1517	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,066.72	102.45
07 72 38 13-1518	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,160.50	102.45
07 72 38 13-1519	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,254.28	102.45
07 72 38 13-1520	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,348.07	102.45
07 72 38 13-1521	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,441.85	102.45
07 72 38 13-1522	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,535.63	102.45
07 72 38 13-1523	EA	18" x 27"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,629.41	102.45
07 72 38 13-1524	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,658.75	116.47
07 72 38 13-1525	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,752.53	116.47
07 72 38 13-1526	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,846.31	116.47
07 72 38 13-1527	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,940.09	116.47
07 72 38 13-1528	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,033.88	116.47
07 72 38 13-1529	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,127.66	116.47
07 72 38 13-1530	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,221.44	116.47
07 72 38 13-1531	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,315.23	116.47
07 72 38 13-1532	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,409.01	116.47
07 72 38 13-1533	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,502.79	116.47
07 72 38 13-1534	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,596.57	116.47
07 72 38 13-1535	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,690.36	116.47
07 72 38 13-1536	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,046.29	116.47
07 72 38 13-1537	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,140.08	116.47
07 72 38 13-1538	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,233.86	116.47
07 72 38 13-1539	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,327.64	116.47
07 72 38 13-1540	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,421.42	116.47
07 72 38 13-1541	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,515.21	116.47
07 72 38 13-1542	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,608.99	116.47
07 72 38 13-1543	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,702.77	116.47
07 72 38 13-1544	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,796.56	116.47
07 72 38 13-1545	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,890.34	116.47
07 72 38 13-1546	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,984.12	116.47
07 72 38 13-1547	EA	24" x 36"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,077.90	116.47
07 72 38 13-1548	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,126.27	129.59
07 72 38 13-1549	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,220.06	129.59
07 72 38 13-1550	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,313.84	129.59
07 72 38 13-1551	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,407.62	129.59
07 72 38 13-1552	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,501.40	129.59
07 72 38 13-1553	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,595.19	129.59
07 72 38 13-1554	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,688.97	129.59
07 72 38 13-1555	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,782.75	129.59
07 72 38 13-1556	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,876.54	129.59
07 72 38 13-1557	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,970.32	129.59
07 72 38 13-1558	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,064.10	129.59
07 72 38 13-1559	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,157.88	129.59
07 72 38 13-1560	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,513.82	129.59
07 72 38 13-1561	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,607.60	129.59
07 72 38 13-1562	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,701.39	129.59
07 72 38 13-1563	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,795.17	129.59
07 72 38 13-1564	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,888.95	129.59
07 72 38 13-1565	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,982.73	129.59
07 72 38 13-1566	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,076.52	129.59
07 72 38 13-1567	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,170.30	129.59
07 72 38 13-1568	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,264.08	129.59
07 72 38 13-1569	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,357.87	129.59
07 72 38 13-1570	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,451.65	129.59
07 72 38 13-1571	EA	30" x 42"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,545.43	129.59
07 72 38 13-1572	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,655.28	129.59
07 72 38 13-1573	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,766.31	140.98
07 72 38 13-1574	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,860.09	140.98
07 72 38 13-1575	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,953.87	140.98
07 72 38 13-1576	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,047.66	140.98
07 72 38 13-1577	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,141.44	140.98
07 72 38 13-1578	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,235.22	140.98
07 72 38 13-1579	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,329.01	140.98
07 72 38 13-1580	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,422.79	140.98
07 72 38 13-1581	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,516.57	140.98
07 72 38 13-1582	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,610.35	140.98
07 72 38 13-1583	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,704.14	140.98
07 72 38 13-1584	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,060.07	140.98
07 72 38 13-1585	EA	36" x 48"	Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,153.86	140.98

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1586	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,247.64	140.98
07 72 38 13-1587	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,341.42	140.98
07 72 38 13-1588	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,435.20	140.98
07 72 38 13-1589	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,528.99	140.98
07 72 38 13-1590	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,622.77	140.98
07 72 38 13-1591	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,716.55	140.98
07 72 38 13-1592	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,810.34	140.98
07 72 38 13-1593	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,904.12	140.98
07 72 38 13-1594	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,997.90	140.98
07 72 38 13-1595	EA		36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,091.68	140.98
07 72 38 13-1596 Pedimented Copper Roof Dormer Vent (07 72 38 13-0001)					
07 72 38 13-1597	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,109.63	76.18
07 72 38 13-1598	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,203.41	76.18
07 72 38 13-1599	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,297.20	76.18
07 72 38 13-1600	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,390.98	76.18
07 72 38 13-1601	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,484.76	76.18
07 72 38 13-1602	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,578.55	76.18
07 72 38 13-1603	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,672.33	76.18
07 72 38 13-1604	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,766.11	76.18
07 72 38 13-1605	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,859.89	76.18
07 72 38 13-1606	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,953.68	76.18
07 72 38 13-1607	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,047.46	76.18
07 72 38 13-1608	EA		12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,141.24	76.18
07 72 38 13-1609	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,497.18	76.18
07 72 38 13-1610	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,590.96	76.18
07 72 38 13-1611	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,684.75	76.18
07 72 38 13-1612	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,778.53	76.18
07 72 38 13-1613	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,872.31	76.18
07 72 38 13-1614	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,966.09	76.18
07 72 38 13-1615	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,059.88	76.18
07 72 38 13-1616	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,153.66	76.18
07 72 38 13-1617	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,247.44	76.18
07 72 38 13-1618	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,341.22	76.18
07 72 38 13-1619	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,435.01	76.18
07 72 38 13-1620	EA		12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,528.79	76.18
07 72 38 13-1621	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,327.57	91.06
07 72 38 13-1622	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,421.35	91.06
07 72 38 13-1623	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,515.14	91.06
07 72 38 13-1624	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,608.92	91.06
07 72 38 13-1625	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,702.70	91.06
07 72 38 13-1626	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,796.48	91.06
07 72 38 13-1627	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,890.27	91.06
07 72 38 13-1628	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,984.05	91.06
07 72 38 13-1629	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,077.83	91.06
07 72 38 13-1630	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,171.62	91.06
07 72 38 13-1631	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,265.40	91.06
07 72 38 13-1632	EA		15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,359.18	91.06
07 72 38 13-1633	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,715.12	91.06
07 72 38 13-1634	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,808.90	91.06
07 72 38 13-1635	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,902.68	91.06
07 72 38 13-1636	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,996.47	91.06
07 72 38 13-1637	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,090.25	91.06
07 72 38 13-1638	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,184.03	91.06
07 72 38 13-1639	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,277.81	91.06
07 72 38 13-1640	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,371.60	91.06
07 72 38 13-1641	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,465.38	91.06
07 72 38 13-1642	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,559.16	91.06
07 72 38 13-1643	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,652.95	91.06
07 72 38 13-1644	EA		15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,746.73	91.06
07 72 38 13-1645	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,682.31	102.45
07 72 38 13-1646	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,776.09	102.45
07 72 38 13-1647	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,869.88	102.45
07 72 38 13-1648	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,963.66	102.45
07 72 38 13-1649	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,057.44	102.45
07 72 38 13-1650	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,151.22	102.45
07 72 38 13-1651	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,245.01	102.45
07 72 38 13-1652	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,338.79	102.45
07 72 38 13-1653	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,432.57	102.45
07 72 38 13-1654	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,526.35	102.45
07 72 38 13-1655	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,620.14	102.45
07 72 38 13-1656	EA		18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,713.92	102.45
07 72 38 13-1657	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,069.86	102.45
07 72 38 13-1658	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,163.64	102.45
07 72 38 13-1659	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,257.42	102.45
07 72 38 13-1660	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,351.21	102.45
07 72 38 13-1661	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,444.99	102.45
07 72 38 13-1662	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,538.77	102.45
07 72 38 13-1663	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,632.55	102.45
07 72 38 13-1664	EA		18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,726.34	102.45



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

10

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
07 72 38 13-1665	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,820.12		102.45
07 72 38 13-1666	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,913.90		102.45
07 72 38 13-1667	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,007.69		102.45
07 72 38 13-1668	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,101.47		102.45
07 72 38 13-1669	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,449.56		116.47
07 72 38 13-1670	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,543.34		116.47
07 72 38 13-1671	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,637.12		116.47
07 72 38 13-1672	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,730.91		116.47
07 72 38 13-1673	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,824.69		116.47
07 72 38 13-1674	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,918.47		116.47
07 72 38 13-1675	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,012.25		116.47
07 72 38 13-1676	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,106.04		116.47
07 72 38 13-1677	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,199.82		116.47
07 72 38 13-1678	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,293.60		116.47
07 72 38 13-1679	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,387.39		116.47
07 72 38 13-1680	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,481.17		116.47
07 72 38 13-1681	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,837.11		116.47
07 72 38 13-1682	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,930.89		116.47
07 72 38 13-1683	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,024.67		116.47
07 72 38 13-1684	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,118.45		116.47
07 72 38 13-1685	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,212.24		116.47
07 72 38 13-1686	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,306.02		116.47
07 72 38 13-1687	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,399.80		116.47
07 72 38 13-1688	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,493.58		116.47
07 72 38 13-1689	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,587.37		116.47
07 72 38 13-1690	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,681.15		116.47
07 72 38 13-1691	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,774.93		116.47
07 72 38 13-1692	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,868.72		116.47
07 72 38 13-1693	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	3,251.02		129.59
07 72 38 13-1694	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,344.80		129.59
07 72 38 13-1695	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,438.59		129.59
07 72 38 13-1696	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,532.37		129.59
07 72 38 13-1697	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,626.15		129.59
07 72 38 13-1698	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,719.94		129.59
07 72 38 13-1699	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,813.72		129.59
07 72 38 13-1700	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,907.50		129.59
07 72 38 13-1701	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	4,001.28		129.59
07 72 38 13-1702	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	4,095.07		129.59
07 72 38 13-1703	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,188.85		129.59
07 72 38 13-1704	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,282.63		129.59
07 72 38 13-1705	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,638.57		129.59
07 72 38 13-1706	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,732.35		129.59
07 72 38 13-1707	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,826.13		129.59
07 72 38 13-1708	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,919.92		129.59
07 72 38 13-1709	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	4,013.70		129.59
07 72 38 13-1710	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	4,107.48		129.59
07 72 38 13-1711	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,201.27		129.59
07 72 38 13-1712	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,295.05		129.59
07 72 38 13-1713	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,388.83		129.59
07 72 38 13-1714	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,482.61		129.59
07 72 38 13-1715	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,576.40		129.59
07 72 38 13-1716	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,670.18		129.59
07 72 38 13-1717	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	4,174.68		129.59
07 72 38 13-1718	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	4,285.71		140.98
07 72 38 13-1719	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	4,379.49		140.98
07 72 38 13-1720	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	4,473.27		140.98
07 72 38 13-1721	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	4,567.06		140.98
07 72 38 13-1722	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	4,660.84		140.98
07 72 38 13-1723	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	4,754.62		140.98
07 72 38 13-1724	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	4,848.41		140.98
07 72 38 13-1725	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	4,942.19		140.98
07 72 38 13-1726	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	5,035.97		140.98
07 72 38 13-1727	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	5,129.75		140.98
07 72 38 13-1728	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	5,223.54		140.98
07 72 38 13-1729	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	4,579.47		140.98
07 72 38 13-1730	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	4,673.26		140.98
07 72 38 13-1731	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	4,767.04		140.98
07 72 38 13-1732	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	4,860.82		140.98
07 72 38 13-1733	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	4,954.60		140.98
07 72 38 13-1734	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	5,048.39		140.98
07 72 38 13-1735	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	5,142.17		140.98
07 72 38 13-1736	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	5,235.95		140.98
07 72 38 13-1737	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	5,329.74		140.98
07 72 38 13-1738	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	5,423.52		140.98
07 72 38 13-1739	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	5,517.30		140.98
07 72 38 13-1740	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	5,611.08		140.98

07 72 38 13-1741 Mantle Clock Copper Roof Dormer Vent (07 72 38 13-0001)

07 72 38 13-1742	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,162.51		116.47
07 72 38 13-1743	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,350.57		116.47

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1744	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,538.64	116.47
07 72 38 13-1745	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,726.71	116.47
07 72 38 13-1746	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,914.78	116.47
07 72 38 13-1747	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,102.85	116.47
07 72 38 13-1748	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,290.91	116.47
07 72 38 13-1749	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,478.98	116.47
07 72 38 13-1750	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,667.05	116.47
07 72 38 13-1751	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,855.12	116.47
07 72 38 13-1752	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,043.19	116.47
07 72 38 13-1753	EA		30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,231.25	116.47
07 72 38 13-1754	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,664.88	116.47
07 72 38 13-1755	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,852.95	116.47
07 72 38 13-1756	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,041.02	116.47
07 72 38 13-1757	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,229.09	116.47
07 72 38 13-1758	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,417.15	116.47
07 72 38 13-1759	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,605.22	116.47
07 72 38 13-1760	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,793.29	116.47
07 72 38 13-1761	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,981.36	116.47
07 72 38 13-1762	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,169.43	116.47
07 72 38 13-1763	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,357.49	116.47
07 72 38 13-1764	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,545.56	116.47
07 72 38 13-1765	EA		30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,733.63	116.47
07 72 38 13-1766	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,476.95	129.59
07 72 38 13-1767	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,665.02	129.59
07 72 38 13-1768	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,853.09	129.59
07 72 38 13-1769	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	2,041.16	129.59
07 72 38 13-1770	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	2,229.22	129.59
07 72 38 13-1771	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,417.29	129.59
07 72 38 13-1772	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,605.36	129.59
07 72 38 13-1773	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,793.43	129.59
07 72 38 13-1774	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,981.50	129.59
07 72 38 13-1775	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	3,169.56	129.59
07 72 38 13-1776	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	3,357.63	129.59
07 72 38 13-1777	EA		36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	3,545.70	129.59
07 72 38 13-1778	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,979.33	129.59
07 72 38 13-1779	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	2,167.40	129.59
07 72 38 13-1780	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,355.46	129.59
07 72 38 13-1781	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,543.53	129.59
07 72 38 13-1782	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,731.60	129.59
07 72 38 13-1783	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,919.67	129.59
07 72 38 13-1784	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	3,107.74	129.59
07 72 38 13-1785	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	3,295.80	129.59
07 72 38 13-1786	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	3,483.87	129.59
07 72 38 13-1787	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	3,671.94	129.59
07 72 38 13-1788	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	3,860.01	129.59
07 72 38 13-1789	EA		36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	4,048.08	129.59
07 72 38 13-1790	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	2,952.32	129.59
07 72 38 13-1791	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	3,157.64	140.98
07 72 38 13-1792	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	3,345.71	140.98
07 72 38 13-1793	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	3,533.78	140.98
07 72 38 13-1794	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	3,721.85	140.98
07 72 38 13-1795	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	3,909.91	140.98
07 72 38 13-1796	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	4,097.98	140.98
07 72 38 13-1797	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	4,286.05	140.98
07 72 38 13-1798	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	4,474.12	140.98
07 72 38 13-1799	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	4,662.19	140.98
07 72 38 13-1800	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	4,850.25	140.98
07 72 38 13-1801	EA		42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	5,038.32	140.98
07 72 38 13-1802	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	3,471.95	140.98
07 72 38 13-1803	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	3,660.02	140.98
07 72 38 13-1804	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	3,848.09	140.98
07 72 38 13-1805	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	4,036.15	140.98
07 72 38 13-1806	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	4,224.22	140.98
07 72 38 13-1807	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	4,412.29	140.98
07 72 38 13-1808	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	4,600.36	140.98
07 72 38 13-1809	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	4,788.43	140.98
07 72 38 13-1810	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	4,976.49	140.98
07 72 38 13-1811	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	5,164.56	140.98
07 72 38 13-1812	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	5,352.63	140.98
07 72 38 13-1813	EA		42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	5,540.70	140.98

07 72 38 13-1814

Aluminum Roof Dormer Vent (07 72 38 13)

Note: Includes insect screen on the inside of the louvers, 0.032 Kynar finish Aluminum and fabricated with sturdy wooden framing.

07 72 38 13-1815

Half Round Aluminum Roof Dormer Vent (07 72 38 13-1814)

07 72 38 13-1816	EA	18" Half Round Aluminum Dormer Vents, 16/12 Slope.....	566.04	76.18
07 72 38 13-1817	EA	18" Half Round Aluminum Dormer Vents, 15/12 Slope.....	781.15	76.18
07 72 38 13-1818	EA	18" Half Round Aluminum Dormer Vents, 14/12 Slope.....	1,025.15	76.18
07 72 38 13-1819	EA	18" Half Round Aluminum Dormer Vents, 13/12 Slope.....	1,208.16	76.18
07 72 38 13-1820	EA	18" Half Round Aluminum Dormer Vents, 12/12 Slope.....	1,426.48	76.18



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1821	EA		18" Half Round Aluminum Dormer Vents, 11/12 Slope.....	1,638.38	76.18
07 72 38 13-1822	EA		18" Half Round Aluminum Dormer Vents, 10/12 Slope.....	1,853.49	76.18
07 72 38 13-1823	EA		18" Half Round Aluminum Dormer Vents, 9/12 Slope.....	2,068.60	76.18
07 72 38 13-1824	EA		18" Half Round Aluminum Dormer Vents, 8/12 Slope.....	2,283.71	76.18
07 72 38 13-1825	EA		18" Half Round Aluminum Dormer Vents, 7/12 Slope.....	2,495.61	76.18
07 72 38 13-1826	EA		18" Half Round Aluminum Dormer Vents, 6/12 Slope.....	2,710.72	76.18
07 72 38 13-1827	EA		18" Half Round Aluminum Dormer Vents, 5/12 Slope.....	2,925.83	76.18
07 72 38 13-1828	EA		24" Half Round Aluminum Dormer Vents, 16/12 Slope.....	668.11	91.06
07 72 38 13-1829	EA		24" Half Round Aluminum Dormer Vents, 15/12 Slope.....	883.22	91.06
07 72 38 13-1830	EA		24" Half Round Aluminum Dormer Vents, 14/12 Slope.....	1,127.23	91.06
07 72 38 13-1831	EA		24" Half Round Aluminum Dormer Vents, 13/12 Slope.....	1,310.23	91.06
07 72 38 13-1832	EA		24" Half Round Aluminum Dormer Vents, 12/12 Slope.....	1,528.56	91.06
07 72 38 13-1833	EA		24" Half Round Aluminum Dormer Vents, 11/12 Slope.....	1,740.45	91.06
07 72 38 13-1834	EA		24" Half Round Aluminum Dormer Vents, 10/12 Slope.....	1,955.56	91.06
07 72 38 13-1835	EA		24" Half Round Aluminum Dormer Vents, 9/12 Slope.....	2,170.68	91.06
07 72 38 13-1836	EA		24" Half Round Aluminum Dormer Vents, 8/12 Slope.....	2,385.79	91.06
07 72 38 13-1837	EA		24" Half Round Aluminum Dormer Vents, 7/12 Slope.....	2,597.68	91.06
07 72 38 13-1838	EA		24" Half Round Aluminum Dormer Vents, 6/12 Slope.....	2,812.80	91.06
07 72 38 13-1839	EA		24" Half Round Aluminum Dormer Vents, 5/12 Slope.....	3,027.91	91.06
07 72 38 13-1840	EA		30" Half Round Aluminum Dormer Vents, 16/12 Slope.....	778.92	102.45
07 72 38 13-1841	EA		30" Half Round Aluminum Dormer Vents, 15/12 Slope.....	994.03	102.45
07 72 38 13-1842	EA		30" Half Round Aluminum Dormer Vents, 14/12 Slope.....	1,238.04	102.45
07 72 38 13-1843	EA		30" Half Round Aluminum Dormer Vents, 13/12 Slope.....	1,421.04	102.45
07 72 38 13-1844	EA		30" Half Round Aluminum Dormer Vents, 12/12 Slope.....	1,639.36	102.45
07 72 38 13-1845	EA		30" Half Round Aluminum Dormer Vents, 11/12 Slope.....	1,851.26	102.45
07 72 38 13-1846	EA		30" Half Round Aluminum Dormer Vents, 10/12 Slope.....	2,066.37	102.45
07 72 38 13-1847	EA		30" Half Round Aluminum Dormer Vents, 9/12 Slope.....	2,281.48	102.45
07 72 38 13-1848	EA		30" Half Round Aluminum Dormer Vents, 8/12 Slope.....	2,496.59	102.45
07 72 38 13-1849	EA		30" Half Round Aluminum Dormer Vents, 7/12 Slope.....	2,708.49	102.45
07 72 38 13-1850	EA		30" Half Round Aluminum Dormer Vents, 6/12 Slope.....	2,923.60	102.45
07 72 38 13-1851	EA		30" Half Round Aluminum Dormer Vents, 5/12 Slope.....	3,138.71	102.45
07 72 38 13-1852	EA		36" Half Round Aluminum Dormer Vents, 16/12 Slope.....	910.20	116.47
07 72 38 13-1853	EA		36" Half Round Aluminum Dormer Vents, 15/12 Slope.....	1,125.31	116.47
07 72 38 13-1854	EA		36" Half Round Aluminum Dormer Vents, 14/12 Slope.....	1,369.32	116.47
07 72 38 13-1855	EA		36" Half Round Aluminum Dormer Vents, 13/12 Slope.....	1,552.32	116.47
07 72 38 13-1856	EA		36" Half Round Aluminum Dormer Vents, 12/12 Slope.....	1,770.64	116.47
07 72 38 13-1857	EA		36" Half Round Aluminum Dormer Vents, 11/12 Slope.....	1,982.54	116.47
07 72 38 13-1858	EA		36" Half Round Aluminum Dormer Vents, 10/12 Slope.....	2,197.65	116.47
07 72 38 13-1859	EA		36" Half Round Aluminum Dormer Vents, 9/12 Slope.....	2,412.76	116.47
07 72 38 13-1860	EA		36" Half Round Aluminum Dormer Vents, 8/12 Slope.....	2,627.87	116.47
07 72 38 13-1861	EA		36" Half Round Aluminum Dormer Vents, 7/12 Slope.....	2,839.77	116.47
07 72 38 13-1862	EA		36" Half Round Aluminum Dormer Vents, 6/12 Slope.....	3,054.88	116.47
07 72 38 13-1863	EA		36" Half Round Aluminum Dormer Vents, 5/12 Slope.....	3,269.99	116.47
07 72 38 13-1864	EA		42" Half Round Aluminum Dormer Vents, 16/12 Slope.....	1,482.88	129.59
07 72 38 13-1865	EA		42" Half Round Aluminum Dormer Vents, 15/12 Slope.....	1,697.99	129.59
07 72 38 13-1866	EA		42" Half Round Aluminum Dormer Vents, 14/12 Slope.....	1,942.00	129.59
07 72 38 13-1867	EA		42" Half Round Aluminum Dormer Vents, 13/12 Slope.....	2,125.00	129.59
07 72 38 13-1868	EA		42" Half Round Aluminum Dormer Vents, 12/12 Slope.....	2,343.32	129.59
07 72 38 13-1869	EA		42" Half Round Aluminum Dormer Vents, 11/12 Slope.....	2,555.22	129.59
07 72 38 13-1870	EA		42" Half Round Aluminum Dormer Vents, 10/12 Slope.....	2,770.33	129.59
07 72 38 13-1871	EA		42" Half Round Aluminum Dormer Vents, 9/12 Slope.....	2,985.44	129.59
07 72 38 13-1872	EA		42" Half Round Aluminum Dormer Vents, 8/12 Slope.....	3,200.55	129.59
07 72 38 13-1873	EA		42" Half Round Aluminum Dormer Vents, 7/12 Slope.....	3,412.45	129.59
07 72 38 13-1874	EA		42" Half Round Aluminum Dormer Vents, 6/12 Slope.....	3,627.56	129.59
07 72 38 13-1875	EA		42" Half Round Aluminum Dormer Vents, 5/12 Slope.....	3,842.67	129.59
07 72 38 13-1876	EA		48" Half Round Aluminum Dormer Vents, 16/12 Slope.....	2,120.70	129.59
07 72 38 13-1877	EA		48" Half Round Aluminum Dormer Vents, 15/12 Slope.....	2,353.06	140.98
07 72 38 13-1878	EA		48" Half Round Aluminum Dormer Vents, 14/12 Slope.....	2,597.06	140.98
07 72 38 13-1879	EA		48" Half Round Aluminum Dormer Vents, 13/12 Slope.....	2,780.07	140.98
07 72 38 13-1880	EA		48" Half Round Aluminum Dormer Vents, 12/12 Slope.....	2,998.39	140.98
07 72 38 13-1881	EA		48" Half Round Aluminum Dormer Vents, 11/12 Slope.....	3,210.29	140.98
07 72 38 13-1882	EA		48" Half Round Aluminum Dormer Vents, 10/12 Slope.....	3,425.40	140.98
07 72 38 13-1883	EA		48" Half Round Aluminum Dormer Vents, 9/12 Slope.....	3,640.51	140.98
07 72 38 13-1884	EA		48" Half Round Aluminum Dormer Vents, 8/12 Slope.....	3,855.62	140.98
07 72 38 13-1885	EA		48" Half Round Aluminum Dormer Vents, 7/12 Slope.....	4,067.52	140.98
07 72 38 13-1886	EA		48" Half Round Aluminum Dormer Vents, 6/12 Slope.....	4,282.63	140.98
07 72 38 13-1887	EA		48" Half Round Aluminum Dormer Vents, 5/12 Slope.....	4,497.74	140.98
07 72 38 13-1888 Triangle Aluminum Roof Dormer Vent (07 72 38 13-1814)					
07 72 38 13-1889	EA		18" x 9" Triangle Aluminum Dormer Vents, 16/12 Slope.....	1,264.02	76.18
07 72 38 13-1890	EA		18" x 9" Triangle Aluminum Dormer Vents, 15/12 Slope.....	1,479.13	76.18
07 72 38 13-1891	EA		18" x 9" Triangle Aluminum Dormer Vents, 14/12 Slope.....	1,723.14	76.18
07 72 38 13-1892	EA		18" x 9" Triangle Aluminum Dormer Vents, 13/12 Slope.....	1,906.14	76.18
07 72 38 13-1893	EA		18" x 9" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,124.46	76.18
07 72 38 13-1894	EA		18" x 9" Triangle Aluminum Dormer Vents, 11/12 Slope.....	2,336.36	76.18
07 72 38 13-1895	EA		18" x 9" Triangle Aluminum Dormer Vents, 10/12 Slope.....	2,551.47	76.18
07 72 38 13-1896	EA		18" x 9" Triangle Aluminum Dormer Vents, 9/12 Slope.....	2,766.58	76.18
07 72 38 13-1897	EA		18" x 9" Triangle Aluminum Dormer Vents, 8/12 Slope.....	2,981.69	76.18
07 72 38 13-1898	EA		18" x 9" Triangle Aluminum Dormer Vents, 7/12 Slope.....	3,193.59	76.18
07 72 38 13-1899	EA		18" x 9" Triangle Aluminum Dormer Vents, 6/12 Slope.....	3,408.70	76.18

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 38 13-1900	EA	18" x 9" Triangle Aluminum Dormer Vents, 5/12 Slope.....	3,623.81	76.18
07 72 38 13-1901	EA	18" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope.....	1,363.33	76.18
07 72 38 13-1902	EA	18" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope.....	1,578.44	76.18
07 72 38 13-1903	EA	18" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope.....	1,822.44	76.18
07 72 38 13-1904	EA	18" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,005.45	76.18
07 72 38 13-1905	EA	18" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,223.77	76.18
07 72 38 13-1906	EA	18" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope.....	2,435.67	76.18
07 72 38 13-1907	EA	18" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope.....	2,650.78	76.18
07 72 38 13-1908	EA	18" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope.....	2,865.89	76.18
07 72 38 13-1909	EA	18" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,081.00	76.18
07 72 38 13-1910	EA	18" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope.....	3,292.90	76.18
07 72 38 13-1911	EA	18" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope.....	3,508.01	76.18
07 72 38 13-1912	EA	18" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope.....	3,723.12	76.18
07 72 38 13-1913	EA	24" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope.....	1,518.28	91.06
07 72 38 13-1914	EA	24" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope.....	1,733.39	91.06
07 72 38 13-1915	EA	24" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope.....	1,977.40	91.06
07 72 38 13-1916	EA	24" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,160.40	91.06
07 72 38 13-1917	EA	24" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,378.72	91.06
07 72 38 13-1918	EA	24" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope.....	2,590.62	91.06
07 72 38 13-1919	EA	24" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope.....	2,805.73	91.06
07 72 38 13-1920	EA	24" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope.....	3,020.84	91.06
07 72 38 13-1921	EA	24" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,235.95	91.06
07 72 38 13-1922	EA	24" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope.....	3,447.85	91.06
07 72 38 13-1923	EA	24" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope.....	3,662.96	91.06
07 72 38 13-1924	EA	24" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope.....	3,878.07	91.06
07 72 38 13-1925	EA	24" x 16" Triangle Aluminum Dormer Vents, 16/12 Slope.....	1,694.80	91.06
07 72 38 13-1926	EA	24" x 16" Triangle Aluminum Dormer Vents, 15/12 Slope.....	1,909.91	91.06
07 72 38 13-1927	EA	24" x 16" Triangle Aluminum Dormer Vents, 14/12 Slope.....	2,153.92	91.06
07 72 38 13-1928	EA	24" x 16" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,336.92	91.06
07 72 38 13-1929	EA	24" x 16" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,555.24	91.06
07 72 38 13-1930	EA	24" x 16" Triangle Aluminum Dormer Vents, 11/12 Slope.....	2,767.14	91.06
07 72 38 13-1931	EA	24" x 16" Triangle Aluminum Dormer Vents, 10/12 Slope.....	2,982.25	91.06
07 72 38 13-1932	EA	24" x 16" Triangle Aluminum Dormer Vents, 9/12 Slope.....	3,197.36	91.06
07 72 38 13-1933	EA	24" x 16" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,412.47	91.06
07 72 38 13-1934	EA	24" x 16" Triangle Aluminum Dormer Vents, 7/12 Slope.....	3,624.37	91.06
07 72 38 13-1935	EA	24" x 16" Triangle Aluminum Dormer Vents, 6/12 Slope.....	3,839.48	91.06
07 72 38 13-1936	EA	24" x 16" Triangle Aluminum Dormer Vents, 5/12 Slope.....	4,054.59	91.06
07 72 38 13-1937	EA	30" x 15" Triangle Aluminum Dormer Vents, 16/12 Slope.....	1,833.44	102.45
07 72 38 13-1938	EA	30" x 15" Triangle Aluminum Dormer Vents, 15/12 Slope.....	2,048.55	102.45
07 72 38 13-1939	EA	30" x 15" Triangle Aluminum Dormer Vents, 14/12 Slope.....	2,292.56	102.45
07 72 38 13-1940	EA	30" x 15" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,475.56	102.45
07 72 38 13-1941	EA	30" x 15" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,693.88	102.45
07 72 38 13-1942	EA	30" x 15" Triangle Aluminum Dormer Vents, 11/12 Slope.....	2,905.78	102.45
07 72 38 13-1943	EA	30" x 15" Triangle Aluminum Dormer Vents, 10/12 Slope.....	3,120.89	102.45
07 72 38 13-1944	EA	30" x 15" Triangle Aluminum Dormer Vents, 9/12 Slope.....	3,336.00	102.45
07 72 38 13-1945	EA	30" x 15" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,551.11	102.45
07 72 38 13-1946	EA	30" x 15" Triangle Aluminum Dormer Vents, 7/12 Slope.....	3,763.01	102.45
07 72 38 13-1947	EA	30" x 15" Triangle Aluminum Dormer Vents, 6/12 Slope.....	3,978.12	102.45
07 72 38 13-1948	EA	30" x 15" Triangle Aluminum Dormer Vents, 5/12 Slope.....	4,193.23	102.45
07 72 38 13-1949	EA	30" x 20" Triangle Aluminum Dormer Vents, 16/12 Slope.....	2,109.27	102.45
07 72 38 13-1950	EA	30" x 20" Triangle Aluminum Dormer Vents, 15/12 Slope.....	2,324.38	102.45
07 72 38 13-1951	EA	30" x 20" Triangle Aluminum Dormer Vents, 14/12 Slope.....	2,568.38	102.45
07 72 38 13-1952	EA	30" x 20" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,751.39	102.45
07 72 38 13-1953	EA	30" x 20" Triangle Aluminum Dormer Vents, 12/12 Slope.....	2,969.71	102.45
07 72 38 13-1954	EA	30" x 20" Triangle Aluminum Dormer Vents, 11/12 Slope.....	3,181.61	102.45
07 72 38 13-1955	EA	30" x 20" Triangle Aluminum Dormer Vents, 10/12 Slope.....	3,396.72	102.45
07 72 38 13-1956	EA	30" x 20" Triangle Aluminum Dormer Vents, 9/12 Slope.....	3,611.83	102.45
07 72 38 13-1957	EA	30" x 20" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,826.94	102.45
07 72 38 13-1958	EA	30" x 20" Triangle Aluminum Dormer Vents, 7/12 Slope.....	4,038.84	102.45
07 72 38 13-1959	EA	30" x 20" Triangle Aluminum Dormer Vents, 6/12 Slope.....	4,253.95	102.45
07 72 38 13-1960	EA	30" x 20" Triangle Aluminum Dormer Vents, 5/12 Slope.....	4,469.06	102.45
07 72 38 13-1961	EA	36" x 18" Triangle Aluminum Dormer Vents, 16/12 Slope.....	2,218.74	116.47
07 72 38 13-1962	EA	36" x 18" Triangle Aluminum Dormer Vents, 15/12 Slope.....	2,433.85	116.47
07 72 38 13-1963	EA	36" x 18" Triangle Aluminum Dormer Vents, 14/12 Slope.....	2,677.86	116.47
07 72 38 13-1964	EA	36" x 18" Triangle Aluminum Dormer Vents, 13/12 Slope.....	2,860.86	116.47
07 72 38 13-1965	EA	36" x 18" Triangle Aluminum Dormer Vents, 12/12 Slope.....	3,079.19	116.47
07 72 38 13-1966	EA	36" x 18" Triangle Aluminum Dormer Vents, 11/12 Slope.....	3,291.09	116.47
07 72 38 13-1967	EA	36" x 18" Triangle Aluminum Dormer Vents, 10/12 Slope.....	3,506.20	116.47
07 72 38 13-1968	EA	36" x 18" Triangle Aluminum Dormer Vents, 9/12 Slope.....	3,721.31	116.47
07 72 38 13-1969	EA	36" x 18" Triangle Aluminum Dormer Vents, 8/12 Slope.....	3,936.42	116.47
07 72 38 13-1970	EA	36" x 18" Triangle Aluminum Dormer Vents, 7/12 Slope.....	4,148.32	116.47
07 72 38 13-1971	EA	36" x 18" Triangle Aluminum Dormer Vents, 6/12 Slope.....	4,363.43	116.47
07 72 38 13-1972	EA	36" x 18" Triangle Aluminum Dormer Vents, 5/12 Slope.....	4,578.54	116.47
07 72 38 13-1973	EA	36" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope.....	2,615.96	116.47
07 72 38 13-1974	EA	36" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope.....	2,831.07	116.47
07 72 38 13-1975	EA	36" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope.....	3,075.08	116.47
07 72 38 13-1976	EA	36" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope.....	3,258.08	116.47
07 72 38 13-1977	EA	36" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope.....	3,476.40	116.47
07 72 38 13-1978	EA	36" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope.....	3,688.30	116.47
07 72 38 13-1979	EA	36" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope.....	3,903.41	116.47
07 72 38 13-1980	EA	36" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope.....	4,118.52	116.47



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1981	EA		36" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,333.63	116.47
07 72 38 13-1982	EA		36" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	4,545.53	116.47
07 72 38 13-1983	EA		36" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	4,760.64	116.47
07 72 38 13-1984	EA		36" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	4,975.75	116.47
07 72 38 13-1985	EA		42" x 21" Triangle Aluminum Dormer Vents, 16/12 Slope	2,668.97	129.59
07 72 38 13-1986	EA		42" x 21" Triangle Aluminum Dormer Vents, 15/12 Slope	2,884.08	129.59
07 72 38 13-1987	EA		42" x 21" Triangle Aluminum Dormer Vents, 14/12 Slope	3,128.09	129.59
07 72 38 13-1988	EA		42" x 21" Triangle Aluminum Dormer Vents, 13/12 Slope	3,311.09	129.59
07 72 38 13-1989	EA		42" x 21" Triangle Aluminum Dormer Vents, 8/12 Slope	3,529.41	129.59
07 72 38 13-1990	EA		42" x 21" Triangle Aluminum Dormer Vents, 11/12 Slope	3,741.31	129.59
07 72 38 13-1991	EA		42" x 21" Triangle Aluminum Dormer Vents, 10/12 Slope	3,956.42	129.59
07 72 38 13-1992	EA		42" x 21" Triangle Aluminum Dormer Vents, 9/12 Slope	4,171.53	129.59
07 72 38 13-1993	EA		42" x 21" Triangle Aluminum Dormer Vents, 8/12 Slope	4,386.64	129.59
07 72 38 13-1994	EA		42" x 21" Triangle Aluminum Dormer Vents, 7/12 Slope	4,598.54	129.59
07 72 38 13-1995	EA		42" x 21" Triangle Aluminum Dormer Vents, 6/12 Slope	4,813.65	129.59
07 72 38 13-1996	EA		42" x 21" Triangle Aluminum Dormer Vents, 5/12 Slope	5,028.76	129.59
07 72 38 13-1997	EA		42" x 28" Triangle Aluminum Dormer Vents, 16/12 Slope	3,209.64	129.59
07 72 38 13-1998	EA		42" x 28" Triangle Aluminum Dormer Vents, 15/12 Slope	3,424.75	129.59
07 72 38 13-1999	EA		42" x 28" Triangle Aluminum Dormer Vents, 14/12 Slope	3,668.75	129.59
07 72 38 13-2000	EA		42" x 28" Triangle Aluminum Dormer Vents, 13/12 Slope	3,851.76	129.59
07 72 38 13-2001	EA		42" x 28" Triangle Aluminum Dormer Vents, 12/12 Slope	4,070.08	129.59
07 72 38 13-2002	EA		42" x 28" Triangle Aluminum Dormer Vents, 11/12 Slope	4,281.98	129.59
07 72 38 13-2003	EA		42" x 28" Triangle Aluminum Dormer Vents, 10/12 Slope	4,497.09	129.59
07 72 38 13-2004	EA		42" x 28" Triangle Aluminum Dormer Vents, 9/12 Slope	4,712.20	129.59
07 72 38 13-2005	EA		42" x 28" Triangle Aluminum Dormer Vents, 8/12 Slope	4,927.31	129.59
07 72 38 13-2006	EA		42" x 28" Triangle Aluminum Dormer Vents, 7/12 Slope	5,139.21	129.59
07 72 38 13-2007	EA		42" x 28" Triangle Aluminum Dormer Vents, 6/12 Slope	5,354.32	129.59
07 72 38 13-2008	EA		42" x 28" Triangle Aluminum Dormer Vents, 5/12 Slope	5,569.43	129.59
07 72 38 13-2009	EA		48" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope	3,165.49	129.59
07 72 38 13-2010	EA		48" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope	3,397.85	140.98
07 72 38 13-2011	EA		48" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope	3,641.86	140.98
07 72 38 13-2012	EA		48" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope	3,824.86	140.98
07 72 38 13-2013	EA		48" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope	4,043.18	140.98
07 72 38 13-2014	EA		48" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope	4,255.08	140.98
07 72 38 13-2015	EA		48" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope	4,470.19	140.98
07 72 38 13-2016	EA		48" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope	4,685.30	140.98
07 72 38 13-2017	EA		48" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,900.41	140.98
07 72 38 13-2018	EA		48" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	5,112.31	140.98
07 72 38 13-2019	EA		48" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	5,327.42	140.98
07 72 38 13-2020	EA		48" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	5,542.53	140.98
07 72 38 13-2021	EA		48" x 32" Triangle Aluminum Dormer Vents, 16/12 Slope	3,871.63	129.59
07 72 38 13-2022	EA		48" x 32" Triangle Aluminum Dormer Vents, 15/12 Slope	4,103.99	140.98
07 72 38 13-2023	EA		48" x 32" Triangle Aluminum Dormer Vents, 14/12 Slope	4,348.00	140.98
07 72 38 13-2024	EA		48" x 32" Triangle Aluminum Dormer Vents, 13/12 Slope	4,531.00	140.98
07 72 38 13-2025	EA		48" x 32" Triangle Aluminum Dormer Vents, 12/12 Slope	4,749.32	140.98
07 72 38 13-2026	EA		48" x 32" Triangle Aluminum Dormer Vents, 11/12 Slope	4,961.22	140.98
07 72 38 13-2027	EA		48" x 32" Triangle Aluminum Dormer Vents, 10/12 Slope	5,176.33	140.98
07 72 38 13-2028	EA		48" x 32" Triangle Aluminum Dormer Vents, 9/12 Slope	5,391.44	140.98
07 72 38 13-2029	EA		48" x 32" Triangle Aluminum Dormer Vents, 8/12 Slope	5,606.55	140.98
07 72 38 13-2030	EA		48" x 32" Triangle Aluminum Dormer Vents, 7/12 Slope	5,818.45	140.98
07 72 38 13-2031	EA		48" x 32" Triangle Aluminum Dormer Vents, 6/12 Slope	6,033.56	140.98
07 72 38 13-2032	EA		48" x 32" Triangle Aluminum Dormer Vents, 5/12 Slope	6,248.67	140.98

07 72 38 13-2033 Rectangle Aluminum Roof Dormer Vent (07 72 38 13-1814)

07 72 38 13-2034	EA		12" x 18" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,379.57	76.18
07 72 38 13-2035	EA		12" x 18" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,510.92	76.18
07 72 38 13-2036	EA		12" x 18" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,642.26	76.18
07 72 38 13-2037	EA		12" x 18" Rectangle Aluminum Dormer Vents, 13/12 Slope	1,773.61	76.18
07 72 38 13-2038	EA		12" x 18" Rectangle Aluminum Dormer Vents, 12/12 Slope	1,904.95	76.18
07 72 38 13-2039	EA		12" x 18" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,036.30	76.18
07 72 38 13-2040	EA		12" x 18" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,167.65	76.18
07 72 38 13-2041	EA		12" x 18" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,298.99	76.18
07 72 38 13-2042	EA		12" x 18" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,430.34	76.18
07 72 38 13-2043	EA		12" x 18" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,561.68	76.18
07 72 38 13-2044	EA		12" x 18" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,693.03	76.18
07 72 38 13-2045	EA		12" x 18" Rectangle Aluminum Dormer Vents, 5/12 Slope	2,824.37	76.18
07 72 38 13-2046	EA		15" x 21" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,650.04	91.06
07 72 38 13-2047	EA		15" x 21" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,781.39	91.06
07 72 38 13-2048	EA		15" x 21" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,912.74	91.06
07 72 38 13-2049	EA		15" x 21" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,044.08	91.06
07 72 38 13-2050	EA		15" x 21" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,175.43	91.06
07 72 38 13-2051	EA		15" x 21" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,306.77	91.06
07 72 38 13-2052	EA		15" x 21" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,438.12	91.06
07 72 38 13-2053	EA		15" x 21" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,569.46	91.06
07 72 38 13-2054	EA		15" x 21" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,700.81	91.06
07 72 38 13-2055	EA		15" x 21" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,832.16	91.06
07 72 38 13-2056	EA		15" x 21" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,963.50	91.06
07 72 38 13-2057	EA		15" x 21" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,094.85	91.06
07 72 38 13-2058	EA		18" x 27" Rectangle Aluminum Dormer Vents, 16/12 Slope	2,095.52	102.45
07 72 38 13-2059	EA		18" x 27" Rectangle Aluminum Dormer Vents, 15/12 Slope	2,226.87	102.45

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2060	EA		18" x 27" Rectangle Aluminum Dormer Vents, 14/12 Slope	2,358.22	102.45
07 72 38 13-2061	EA		18" x 27" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,489.56	102.45
07 72 38 13-2062	EA		18" x 27" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,620.91	102.45
07 72 38 13-2063	EA		18" x 27" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,752.25	102.45
07 72 38 13-2064	EA		18" x 27" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,883.60	102.45
07 72 38 13-2065	EA		18" x 27" Rectangle Aluminum Dormer Vents, 9/12 Slope	3,014.94	102.45
07 72 38 13-2066	EA		18" x 27" Rectangle Aluminum Dormer Vents, 8/12 Slope	3,146.29	102.45
07 72 38 13-2067	EA		18" x 27" Rectangle Aluminum Dormer Vents, 7/12 Slope	3,277.63	102.45
07 72 38 13-2068	EA		18" x 27" Rectangle Aluminum Dormer Vents, 6/12 Slope	3,408.98	102.45
07 72 38 13-2069	EA		18" x 27" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,540.33	102.45
07 72 38 13-2070	EA		24" x 36" Rectangle Aluminum Dormer Vents, 16/12 Slope	3,063.36	116.47
07 72 38 13-2071	EA		24" x 36" Rectangle Aluminum Dormer Vents, 15/12 Slope	3,194.70	116.47
07 72 38 13-2072	EA		24" x 36" Rectangle Aluminum Dormer Vents, 14/12 Slope	3,326.05	116.47
07 72 38 13-2073	EA		24" x 36" Rectangle Aluminum Dormer Vents, 13/12 Slope	3,457.39	116.47
07 72 38 13-2074	EA		24" x 36" Rectangle Aluminum Dormer Vents, 12/12 Slope	3,588.74	116.47
07 72 38 13-2075	EA		24" x 36" Rectangle Aluminum Dormer Vents, 11/12 Slope	3,720.09	116.47
07 72 38 13-2076	EA		24" x 36" Rectangle Aluminum Dormer Vents, 10/12 Slope	3,851.43	116.47
07 72 38 13-2077	EA		24" x 36" Rectangle Aluminum Dormer Vents, 9/12 Slope	3,982.78	116.47
07 72 38 13-2078	EA		24" x 36" Rectangle Aluminum Dormer Vents, 8/12 Slope	4,114.12	116.47
07 72 38 13-2079	EA		24" x 36" Rectangle Aluminum Dormer Vents, 7/12 Slope	4,245.47	116.47
07 72 38 13-2080	EA		24" x 36" Rectangle Aluminum Dormer Vents, 6/12 Slope	4,376.81	116.47
07 72 38 13-2081	EA		24" x 36" Rectangle Aluminum Dormer Vents, 5/12 Slope	4,508.16	116.47
07 72 38 13-2082	EA		30" x 42" Rectangle Aluminum Dormer Vents, 16/12 Slope	4,074.96	129.59
07 72 38 13-2083	EA		30" x 42" Rectangle Aluminum Dormer Vents, 15/12 Slope	4,206.30	129.59
07 72 38 13-2084	EA		30" x 42" Rectangle Aluminum Dormer Vents, 14/12 Slope	4,337.65	129.59
07 72 38 13-2085	EA		30" x 42" Rectangle Aluminum Dormer Vents, 13/12 Slope	4,468.99	129.59
07 72 38 13-2086	EA		30" x 42" Rectangle Aluminum Dormer Vents, 12/12 Slope	4,600.34	129.59
07 72 38 13-2087	EA		30" x 42" Rectangle Aluminum Dormer Vents, 11/12 Slope	4,731.69	129.59
07 72 38 13-2088	EA		30" x 42" Rectangle Aluminum Dormer Vents, 10/12 Slope	4,863.03	129.59
07 72 38 13-2089	EA		30" x 42" Rectangle Aluminum Dormer Vents, 9/12 Slope	4,994.38	129.59
07 72 38 13-2090	EA		30" x 42" Rectangle Aluminum Dormer Vents, 8/12 Slope	5,125.72	129.59
07 72 38 13-2091	EA		30" x 42" Rectangle Aluminum Dormer Vents, 7/12 Slope	5,257.07	129.59
07 72 38 13-2092	EA		30" x 42" Rectangle Aluminum Dormer Vents, 6/12 Slope	5,388.41	129.59
07 72 38 13-2093	EA		30" x 42" Rectangle Aluminum Dormer Vents, 5/12 Slope	5,519.76	129.59
07 72 38 13-2094	EA		36" x 48" Rectangle Aluminum Dormer Vents, 16/12 Slope	5,246.95	129.59
07 72 38 13-2095	EA		36" x 48" Rectangle Aluminum Dormer Vents, 15/12 Slope	5,395.55	140.98
07 72 38 13-2096	EA		36" x 48" Rectangle Aluminum Dormer Vents, 14/12 Slope	5,526.90	140.98
07 72 38 13-2097	EA		36" x 48" Rectangle Aluminum Dormer Vents, 13/12 Slope	5,658.24	140.98
07 72 38 13-2098	EA		36" x 48" Rectangle Aluminum Dormer Vents, 12/12 Slope	5,789.59	140.98
07 72 38 13-2099	EA		36" x 48" Rectangle Aluminum Dormer Vents, 11/12 Slope	5,920.93	140.98
07 72 38 13-2100	EA		36" x 48" Rectangle Aluminum Dormer Vents, 10/12 Slope	6,052.28	140.98
07 72 38 13-2101	EA		36" x 48" Rectangle Aluminum Dormer Vents, 9/12 Slope	6,183.62	140.98
07 72 38 13-2102	EA		36" x 48" Rectangle Aluminum Dormer Vents, 8/12 Slope	6,314.97	140.98
07 72 38 13-2103	EA		36" x 48" Rectangle Aluminum Dormer Vents, 7/12 Slope	6,446.32	140.98
07 72 38 13-2104	EA		36" x 48" Rectangle Aluminum Dormer Vents, 6/12 Slope	6,577.66	140.98
07 72 38 13-2105	EA		36" x 48" Rectangle Aluminum Dormer Vents, 5/12 Slope	6,709.01	140.98
07 72 38 13-2106 Tombstone Aluminum Roof Dormer Vent					
07 72 38 13-2107	EA		12" x 18" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,453.22	76.18
07 72 38 13-2108	EA		12" x 18" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,668.33	76.18
07 72 38 13-2109	EA		12" x 18" Tombstone Aluminum Dormer Vents, 14/12 Slope	1,912.34	76.18
07 72 38 13-2110	EA		12" x 18" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,095.34	76.18
07 72 38 13-2111	EA		12" x 18" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,313.66	76.18
07 72 38 13-2112	EA		12" x 18" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,525.56	76.18
07 72 38 13-2113	EA		12" x 18" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,740.67	76.18
07 72 38 13-2114	EA		12" x 18" Tombstone Aluminum Dormer Vents, 9/12 Slope	2,955.78	76.18
07 72 38 13-2115	EA		12" x 18" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,170.89	76.18
07 72 38 13-2116	EA		12" x 18" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,382.79	76.18
07 72 38 13-2117	EA		12" x 18" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,597.90	76.18
07 72 38 13-2118	EA		12" x 18" Tombstone Aluminum Dormer Vents, 5/12 Slope	3,813.01	76.18
07 72 38 13-2119	EA		15" x 21" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,676.02	91.06
07 72 38 13-2120	EA		15" x 21" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,891.13	91.06
07 72 38 13-2121	EA		15" x 21" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,135.13	91.06
07 72 38 13-2122	EA		15" x 21" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,318.14	91.06
07 72 38 13-2123	EA		15" x 21" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,536.46	91.06
07 72 38 13-2124	EA		15" x 21" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,748.36	91.06
07 72 38 13-2125	EA		15" x 21" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,963.47	91.06
07 72 38 13-2126	EA		15" x 21" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,178.58	91.06
07 72 38 13-2127	EA		15" x 21" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,393.69	91.06
07 72 38 13-2128	EA		15" x 21" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,605.59	91.06
07 72 38 13-2129	EA		15" x 21" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,820.70	91.06
07 72 38 13-2130	EA		15" x 21" Tombstone Aluminum Dormer Vents, 5/12 Slope	4,035.81	91.06
07 72 38 13-2131	EA		18" x 27" Tombstone Aluminum Dormer Vents, 16/12 Slope	2,039.15	102.45
07 72 38 13-2132	EA		18" x 27" Tombstone Aluminum Dormer Vents, 15/12 Slope	2,254.26	102.45
07 72 38 13-2133	EA		18" x 27" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,498.26	102.45
07 72 38 13-2134	EA		18" x 27" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,681.27	102.45
07 72 38 13-2135	EA		18" x 27" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,899.59	102.45
07 72 38 13-2136	EA		18" x 27" Tombstone Aluminum Dormer Vents, 11/12 Slope	3,111.49	102.45
07 72 38 13-2137	EA		18" x 27" Tombstone Aluminum Dormer Vents, 10/12 Slope	3,326.60	102.45
07 72 38 13-2138	EA		18" x 27" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,541.71	102.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2139	EA		18" x 27" Tombstone Aluminum Dormer Vents, 8/12 Slope.....	3,756.82	102.45
07 72 38 13-2140	EA		18" x 27" Tombstone Aluminum Dormer Vents, 7/12 Slope.....	3,968.72	102.45
07 72 38 13-2141	EA		18" x 27" Tombstone Aluminum Dormer Vents, 6/12 Slope.....	4,183.83	102.45
07 72 38 13-2142	EA		18" x 27" Tombstone Aluminum Dormer Vents, 5/12 Slope.....	4,398.94	102.45
07 72 38 13-2143	EA		24" x 36" Tombstone Aluminum Dormer Vents, 16/12 Slope.....	2,824.94	116.47
07 72 38 13-2144	EA		24" x 36" Tombstone Aluminum Dormer Vents, 15/12 Slope.....	3,040.05	116.47
07 72 38 13-2145	EA		24" x 36" Tombstone Aluminum Dormer Vents, 14/12 Slope.....	3,284.05	116.47
07 72 38 13-2146	EA		24" x 36" Tombstone Aluminum Dormer Vents, 13/12 Slope.....	3,467.06	116.47
07 72 38 13-2147	EA		24" x 36" Tombstone Aluminum Dormer Vents, 12/12 Slope.....	3,685.38	116.47
07 72 38 13-2148	EA		24" x 36" Tombstone Aluminum Dormer Vents, 11/12 Slope.....	3,897.28	116.47
07 72 38 13-2149	EA		24" x 36" Tombstone Aluminum Dormer Vents, 10/12 Slope.....	4,112.39	116.47
07 72 38 13-2150	EA		24" x 36" Tombstone Aluminum Dormer Vents, 9/12 Slope.....	4,327.50	116.47
07 72 38 13-2151	EA		24" x 36" Tombstone Aluminum Dormer Vents, 8/12 Slope.....	4,542.61	116.47
07 72 38 13-2152	EA		24" x 36" Tombstone Aluminum Dormer Vents, 7/12 Slope.....	4,754.51	116.47
07 72 38 13-2153	EA		24" x 36" Tombstone Aluminum Dormer Vents, 6/12 Slope.....	4,969.62	116.47
07 72 38 13-2154	EA		24" x 36" Tombstone Aluminum Dormer Vents, 5/12 Slope.....	5,184.73	116.47
07 72 38 13-2155	EA		30" x 42" Tombstone Aluminum Dormer Vents, 16/12 Slope.....	3,645.83	129.59
07 72 38 13-2156	EA		30" x 42" Tombstone Aluminum Dormer Vents, 15/12 Slope.....	3,860.94	129.59
07 72 38 13-2157	EA		30" x 42" Tombstone Aluminum Dormer Vents, 14/12 Slope.....	4,104.94	129.59
07 72 38 13-2158	EA		30" x 42" Tombstone Aluminum Dormer Vents, 13/12 Slope.....	4,287.95	129.59
07 72 38 13-2159	EA		30" x 42" Tombstone Aluminum Dormer Vents, 12/12 Slope.....	4,506.27	129.59
07 72 38 13-2160	EA		30" x 42" Tombstone Aluminum Dormer Vents, 11/12 Slope.....	4,718.17	129.59
07 72 38 13-2161	EA		30" x 42" Tombstone Aluminum Dormer Vents, 10/12 Slope.....	4,933.28	129.59
07 72 38 13-2162	EA		30" x 42" Tombstone Aluminum Dormer Vents, 9/12 Slope.....	5,148.39	129.59
07 72 38 13-2163	EA		30" x 42" Tombstone Aluminum Dormer Vents, 8/12 Slope.....	5,363.50	129.59
07 72 38 13-2164	EA		30" x 42" Tombstone Aluminum Dormer Vents, 7/12 Slope.....	5,575.40	129.59
07 72 38 13-2165	EA		30" x 42" Tombstone Aluminum Dormer Vents, 6/12 Slope.....	5,790.51	129.59
07 72 38 13-2166	EA		30" x 42" Tombstone Aluminum Dormer Vents, 5/12 Slope.....	6,005.62	129.59
07 72 38 13-2167	EA		36" x 48" Tombstone Aluminum Dormer Vents, 16/12 Slope.....	4,592.44	129.59
07 72 38 13-2168	EA		36" x 48" Tombstone Aluminum Dormer Vents, 15/12 Slope.....	4,824.80	140.98
07 72 38 13-2169	EA		36" x 48" Tombstone Aluminum Dormer Vents, 14/12 Slope.....	5,068.81	140.98
07 72 38 13-2170	EA		36" x 48" Tombstone Aluminum Dormer Vents, 13/12 Slope.....	5,251.81	140.98
07 72 38 13-2171	EA		36" x 48" Tombstone Aluminum Dormer Vents, 12/12 Slope.....	5,470.13	140.98
07 72 38 13-2172	EA		36" x 48" Tombstone Aluminum Dormer Vents, 11/12 Slope.....	5,682.03	140.98
07 72 38 13-2173	EA		36" x 48" Tombstone Aluminum Dormer Vents, 10/12 Slope.....	5,897.14	140.98
07 72 38 13-2174	EA		36" x 48" Tombstone Aluminum Dormer Vents, 9/12 Slope.....	6,112.25	140.98
07 72 38 13-2175	EA		36" x 48" Tombstone Aluminum Dormer Vents, 8/12 Slope.....	6,327.36	140.98
07 72 38 13-2176	EA		36" x 48" Tombstone Aluminum Dormer Vents, 7/12 Slope.....	6,539.26	140.98
07 72 38 13-2177	EA		36" x 48" Tombstone Aluminum Dormer Vents, 6/12 Slope.....	6,754.37	140.98
07 72 38 13-2178	EA		36" x 48" Tombstone Aluminum Dormer Vents, 5/12 Slope.....	6,969.48	140.98
07 72 38 13-2179 Arched Top Aluminum Roof Dormer Vent (07 72 38 13-1814)					
07 72 38 13-2180	EA		12" x 15" Arched Top Aluminum Dormer Vents, 16/12 Slope.....	1,385.64	76.18
07 72 38 13-2181	EA		12" x 15" Arched Top Aluminum Dormer Vents, 15/12 Slope.....	1,582.64	76.18
07 72 38 13-2182	EA		12" x 15" Arched Top Aluminum Dormer Vents, 14/12 Slope.....	1,779.64	76.18
07 72 38 13-2183	EA		12" x 15" Arched Top Aluminum Dormer Vents, 13/12 Slope.....	1,976.65	76.18
07 72 38 13-2184	EA		12" x 15" Arched Top Aluminum Dormer Vents, 12/12 Slope.....	2,173.65	76.18
07 72 38 13-2185	EA		12" x 15" Arched Top Aluminum Dormer Vents, 11/12 Slope.....	2,370.65	76.18
07 72 38 13-2186	EA		12" x 15" Arched Top Aluminum Dormer Vents, 10/12 Slope.....	2,567.65	76.18
07 72 38 13-2187	EA		12" x 15" Arched Top Aluminum Dormer Vents, 9/12 Slope.....	2,764.66	76.18
07 72 38 13-2188	EA		12" x 15" Arched Top Aluminum Dormer Vents, 8/12 Slope.....	2,961.66	76.18
07 72 38 13-2189	EA		12" x 15" Arched Top Aluminum Dormer Vents, 7/12 Slope.....	3,158.66	76.18
07 72 38 13-2190	EA		12" x 15" Arched Top Aluminum Dormer Vents, 6/12 Slope.....	3,355.66	76.18
07 72 38 13-2191	EA		12" x 15" Arched Top Aluminum Dormer Vents, 5/12 Slope.....	3,552.67	76.18
07 72 38 13-2192	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 16/12 Slope.....	1,619.48	91.06
07 72 38 13-2193	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 15/12 Slope.....	1,816.48	91.06
07 72 38 13-2194	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 14/12 Slope.....	2,013.48	91.06
07 72 38 13-2195	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 13/12 Slope.....	2,210.49	91.06
07 72 38 13-2196	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 12/12 Slope.....	2,407.49	91.06
07 72 38 13-2197	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 11/12 Slope.....	2,604.49	91.06
07 72 38 13-2198	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 10/12 Slope.....	2,801.49	91.06
07 72 38 13-2199	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 9/12 Slope.....	2,998.50	91.06
07 72 38 13-2200	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 8/12 Slope.....	3,195.50	91.06
07 72 38 13-2201	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 7/12 Slope.....	3,392.50	91.06
07 72 38 13-2202	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 6/12 Slope.....	3,589.50	91.06
07 72 38 13-2203	EA		15" x 18.75" Arched Top Aluminum Dormer Vents, 5/12 Slope.....	3,786.51	91.06
07 72 38 13-2204	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 16/12 Slope.....	1,894.99	102.45
07 72 38 13-2205	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 15/12 Slope.....	2,091.99	102.45
07 72 38 13-2206	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 14/12 Slope.....	2,288.99	102.45
07 72 38 13-2207	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 13/12 Slope.....	2,486.00	102.45
07 72 38 13-2208	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 12/12 Slope.....	2,683.00	102.45
07 72 38 13-2209	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 11/12 Slope.....	2,880.00	102.45
07 72 38 13-2210	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 10/12 Slope.....	3,077.00	102.45
07 72 38 13-2211	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 9/12 Slope.....	3,274.00	102.16
07 72 38 13-2212	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 8/12 Slope.....	3,471.00	102.16
07 72 38 13-2213	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 7/12 Slope.....	3,668.00	102.16
07 72 38 13-2214	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 6/12 Slope.....	3,865.00	102.16
07 72 38 13-2215	EA		18" x 22.5" Arched Top Aluminum Dormer Vents, 5/12 Slope.....	4,062.00	102.16
07 72 38 13-2216	EA		24" x 30" Arched Top Aluminum Dormer Vents, 16/12 Slope.....	1,516.05	116.76
07 72 38 13-2217	EA		24" x 30" Arched Top Aluminum Dormer Vents, 15/12 Slope.....	1,626.15	116.76

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2218 EA 24" x 30" Arched Top Aluminum Dormer Vents, 14/12 Slope	1,736.24	116.76
07 72 38 13-2219 EA 24" x 30" Arched Top Aluminum Dormer Vents, 13/12 Slope	1,846.33	116.76
07 72 38 13-2220 EA 24" x 30" Arched Top Aluminum Dormer Vents, 12/12 Slope	1,956.42	116.76
07 72 38 13-2221 EA 24" x 30" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,066.51	116.76
07 72 38 13-2222 EA 24" x 30" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,176.61	116.76
07 72 38 13-2223 EA 24" x 30" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,286.70	116.76
07 72 38 13-2224 EA 24" x 30" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,396.79	116.76
07 72 38 13-2225 EA 24" x 30" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,506.88	116.76
07 72 38 13-2226 EA 24" x 30" Arched Top Aluminum Dormer Vents, 6/12 Slope	2,616.97	116.76
07 72 38 13-2227 EA 24" x 30" Arched Top Aluminum Dormer Vents, 5/12 Slope	2,727.07	116.76
07 72 38 13-2228 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,008.29	130.02
07 72 38 13-2229 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,118.38	130.02
07 72 38 13-2230 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,228.47	130.02
07 72 38 13-2231 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,338.56	130.02
07 72 38 13-2232 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,448.66	130.02
07 72 38 13-2233 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,558.75	130.02
07 72 38 13-2234 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,668.84	130.02
07 72 38 13-2235 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,778.93	130.02
07 72 38 13-2236 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,889.02	130.02
07 72 38 13-2237 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,999.12	130.02
07 72 38 13-2238 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,109.21	130.02
07 72 38 13-2239 EA 30" x 37.5" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,219.30	130.02
07 72 38 13-2240 EA 36" x 45" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,585.57	130.02
07 72 38 13-2241 EA 36" x 45" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,712.91	140.64
07 72 38 13-2242 EA 36" x 45" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,823.00	140.64
07 72 38 13-2243 EA 36" x 45" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,933.10	140.64
07 72 38 13-2244 EA 36" x 45" Arched Top Aluminum Dormer Vents, 12/12 Slope	3,043.19	140.64
07 72 38 13-2245 EA 36" x 45" Arched Top Aluminum Dormer Vents, 11/12 Slope	3,153.28	140.64
07 72 38 13-2246 EA 36" x 45" Arched Top Aluminum Dormer Vents, 10/12 Slope	3,263.37	140.64
07 72 38 13-2247 EA 36" x 45" Arched Top Aluminum Dormer Vents, 9/12 Slope	3,373.47	140.64
07 72 38 13-2248 EA 36" x 45" Arched Top Aluminum Dormer Vents, 8/12 Slope	3,483.56	140.64
07 72 38 13-2249 EA 36" x 45" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,593.65	140.64
07 72 38 13-2250 EA 36" x 45" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,703.74	140.64
07 72 38 13-2251 EA 36" x 45" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,813.83	140.64
07 72 38 13-2252 Hipped Roof Aluminum Roof Dormer Vent (07 72 38 13-1814)		
07 72 38 13-2253 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	641.01	76.18
07 72 38 13-2254 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	734.79	76.18
07 72 38 13-2255 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	828.57	76.18
07 72 38 13-2256 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	922.35	76.18
07 72 38 13-2257 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,016.14	76.18
07 72 38 13-2258 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,109.92	76.18
07 72 38 13-2259 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,203.70	76.18
07 72 38 13-2260 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,297.48	76.18
07 72 38 13-2261 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,391.27	76.18
07 72 38 13-2262 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,485.05	76.18
07 72 38 13-2263 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,578.83	76.18
07 72 38 13-2264 EA 12" x 18" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,672.62	76.18
07 72 38 13-2265 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	766.58	91.06
07 72 38 13-2266 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	860.36	91.06
07 72 38 13-2267 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	954.14	91.06
07 72 38 13-2268 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,047.93	91.06
07 72 38 13-2269 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,141.71	91.06
07 72 38 13-2270 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,235.49	91.06
07 72 38 13-2271 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,329.28	91.06
07 72 38 13-2272 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,423.06	91.06
07 72 38 13-2273 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,516.84	91.06
07 72 38 13-2274 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,610.62	91.06
07 72 38 13-2275 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,704.41	91.06
07 72 38 13-2276 EA 15" x 21" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,798.19	91.06
07 72 38 13-2277 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	961.78	102.45
07 72 38 13-2278 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,055.56	102.45
07 72 38 13-2279 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,149.34	102.45
07 72 38 13-2280 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,243.13	102.45
07 72 38 13-2281 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,336.91	102.45
07 72 38 13-2282 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,430.69	102.45
07 72 38 13-2283 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,524.47	102.45
07 72 38 13-2284 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,618.26	102.45
07 72 38 13-2285 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,712.04	102.45
07 72 38 13-2286 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,805.82	102.45
07 72 38 13-2287 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,899.61	102.45
07 72 38 13-2288 EA 18" x 27" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,993.39	102.45
07 72 38 13-2289 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	1,376.36	116.47
07 72 38 13-2290 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,470.14	116.47
07 72 38 13-2291 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,563.92	116.47
07 72 38 13-2292 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,657.71	116.47
07 72 38 13-2293 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,751.49	116.47
07 72 38 13-2294 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,845.27	116.47
07 72 38 13-2295 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,939.05	116.47
07 72 38 13-2296 EA 24" x 36" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,032.84	116.47



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2297	EA		24" x 36" Hipped Roof Aluminum Dormer Vents, 8/12 Slope.....	2,126.62	116.47
07 72 38 13-2298	EA		24" x 36" Hipped Roof Aluminum Dormer Vents, 7/12 Slope.....	2,220.40	116.47
07 72 38 13-2299	EA		24" x 36" Hipped Roof Aluminum Dormer Vents, 6/12 Slope.....	2,314.19	116.47
07 72 38 13-2300	EA		24" x 36" Hipped Roof Aluminum Dormer Vents, 5/12 Slope.....	2,407.97	116.47
07 72 38 13-2301	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 16/12 Slope.....	1,808.36	129.59
07 72 38 13-2302	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 15/12 Slope.....	1,902.14	129.59
07 72 38 13-2303	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 14/12 Slope.....	1,995.92	129.59
07 72 38 13-2304	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 13/12 Slope.....	2,089.71	129.59
07 72 38 13-2305	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 12/12 Slope.....	2,183.49	129.59
07 72 38 13-2306	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 11/12 Slope.....	2,277.27	129.59
07 72 38 13-2307	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 10/12 Slope.....	2,371.06	129.59
07 72 38 13-2308	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 9/12 Slope.....	2,464.84	129.59
07 72 38 13-2309	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 8/12 Slope.....	2,558.62	129.59
07 72 38 13-2310	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 7/12 Slope.....	2,652.40	129.59
07 72 38 13-2311	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 6/12 Slope.....	2,746.19	129.59
07 72 38 13-2312	EA		30" x 42" Hipped Roof Aluminum Dormer Vents, 5/12 Slope.....	2,839.97	129.59
07 72 38 13-2313	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 16/12 Slope.....	2,295.38	129.59
07 72 38 13-2314	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 15/12 Slope.....	2,406.41	140.98
07 72 38 13-2315	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 14/12 Slope.....	2,500.19	140.98
07 72 38 13-2316	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 13/12 Slope.....	2,593.98	140.98
07 72 38 13-2317	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 12/12 Slope.....	2,687.76	140.98
07 72 38 13-2318	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 11/12 Slope.....	2,781.54	140.98
07 72 38 13-2319	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 10/12 Slope.....	2,875.32	140.98
07 72 38 13-2320	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 9/12 Slope.....	2,969.11	140.98
07 72 38 13-2321	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 8/12 Slope.....	3,062.89	140.98
07 72 38 13-2322	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 7/12 Slope.....	3,156.67	140.98
07 72 38 13-2323	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 6/12 Slope.....	3,250.45	140.98
07 72 38 13-2324	EA		36" x 48" Hipped Roof Aluminum Dormer Vents, 5/12 Slope.....	3,344.24	140.98
07 72 38 13-2325			Galvanized Steel Fire And Ember Dormer Vent (07 72 38 13)		
07 72 38 13-2326	EA		14" x 9" Galvanized Steel, Fire And Ember Eyebrow Low Profile Dormer Vents..... Note: Includes fire caulking	310.32	116.76
07 72 46			Roof Walkways (07 72)		
07 72 46 00-0001			Recycled Rubber Walkway Pads (07 72 46)		
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad For Diamond Surface, Add	13.66 1.20	3.29
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad For Diamond Surface, Add	15.20 1.39	3.95
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad For Diamond Surface, Add	16.77 1.55	3.95
07 72 63			Waste Containment Assemblies (07 72)		
07 72 63 00-0001			Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002			Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,356.09	273.17
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,744.50	273.17
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,583.42	284.09
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,561.22	284.09
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,944.95	307.31
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,651.72	307.31
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	5,188.77	364.12
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,626.56	455.23
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	9,447.06	455.23
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,944.69	455.23
07 72 63 00-0013			Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	4,116.37	273.17
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,621.46	273.17
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,699.04	284.09

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,798.97	284.09
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	8,259.43	307.31
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	9,053.13	307.31
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	8,430.15	364.12
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	9,502.56	455.23
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,872.54	455.23
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	15,119.46	455.23
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63) Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	275.36	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	386.38	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	552.87	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	511.03	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	955.06	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	966.15	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	746.71	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	968.72	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,418.30	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,867.87	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	573.36	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	762.08	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,106.21	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	1,031.05	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,980.15	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,991.24	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,477.62	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,993.80	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,920.70	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,886.46	
07 72 63 00-0049		Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	712.13	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	884.19	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,294.90	



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Accessories			07 72

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0053	SET		72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,225.32	
07 72 63 00-0054	SET		72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,385.32	
07 72 63 00-0055	SET		72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,374.23	
07 72 63 00-0056	SET		90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,732.95	
07 72 63 00-0057	SET		108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,398.97	
07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,364.73	
07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	4,680.16	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001

Roof Protection Board (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002

Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.51	0.69
		For No Adhesive, Deduct	-0.99	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.09	0.75
		For No Adhesive, Deduct	-1.02	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.39	0.82
		For No Adhesive, Deduct	-1.05	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.58	0.69
		For No Adhesive, Deduct	-0.99	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.19	0.75
		For No Adhesive, Deduct	-1.02	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.48	0.82
		For No Adhesive, Deduct	-1.05	

07 73 00 00-0009

Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.37	0.69
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.99	0.75
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.29	0.82
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.43	0.69
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.08	0.75
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.38	0.82

07 73 00 00-0016

Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.33	0.69
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.26	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.45	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.91	0.75
		For Mechanically Fastened To Concrete, Add	1.83	
		For Mechanically Fastened To Gypsum, Add	2.39	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.55	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 73	Roof Protection Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0019 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	5.20	0.82
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.44	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.63	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 73 00 00-0020 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.40	0.69
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.26	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.45	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 73 00 00-0021 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	5.01	0.75
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.36	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	
07 73 00 00-0022 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	5.30	0.82
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.39	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.82	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.44	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.24	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.63	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.41	

07 76 Roof Pavers (07 70)**07 76 16 Roof Decking Pavers** (07 76)**07 76 16 00-0001 Roof Pavers** (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002 SF Up To 100 SF, 2" Concrete Roof Paver	13.52	8.54
For 1-1/2" Thickness, Deduct	-1.35	
For 2-1/2" Thickness, Add	1.47	
For 3" Thickness, Add	2.94	
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver	12.07	6.44
For 1-1/2" Thickness, Deduct	-1.21	
For 2-1/2" Thickness, Add	1.32	
For 3" Thickness, Add	2.64	
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver	11.29	5.12
For 1-1/2" Thickness, Deduct	-1.13	
For 2-1/2" Thickness, Add	1.23	
For 3" Thickness, Add	2.47	
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver	10.85	4.47
For 1-1/2" Thickness, Deduct	-1.09	
For 2-1/2" Thickness, Add	1.18	
For 3" Thickness, Add	2.37	
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver	10.25	4.08
For 1-1/2" Thickness, Deduct	-1.03	
For 2-1/2" Thickness, Add	1.12	
For 3" Thickness, Add	2.23	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	27.89	1.36
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	29.25	1.36
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	30.62	1.36
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.46	1.36
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	13.94	1.36
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	14.27	1.36
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	8.02	1.36
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	10.77	1.36
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		



Thermal And Moisture Protection			07
Roof and Wall Specialties and Accessories			07 70
Roof Pavers			07 76

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0016 Roof Paver ^(07 76 16) Note: For walkway application over roofing system.		
07 76 16 00-0017 EA 2" Thick, 48" x 48" Nonimal, Reinforced Precast Concrete Pavers..... Note: Custom color and finish to match existing	950.03	
07 76 19 Composite Insulation Concrete Protection Board ^(07 76) Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0001 Composite Insulation Concrete Protection Board ^(07 76 19) Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF..... For 20 Year Warranty, Deduct For 15 Year Warranty, Deduct For 10 Year Warranty, Deduct For Winds >90 MPH To 120 MPH Warranty, Add	6.59 -0.38 -0.77 -1.04 0.10	
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF..... For 20 Year Warranty, Deduct For 15 Year Warranty, Deduct For 10 Year Warranty, Deduct For Winds >90 MPH To 120 MPH Warranty, Add	8.57 -0.54 -1.10 -1.48 0.10	
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF For 20 Year Warranty, Deduct For 15 Year Warranty, Deduct For 10 Year Warranty, Deduct For Winds >90 MPH To 120 MPH Warranty, Add	10.09 -0.63 -1.27 -1.72 0.10	
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF For 20 Year Warranty, Deduct For 15 Year Warranty, Deduct For 10 Year Warranty, Deduct For Winds >90 MPH To 120 MPH Warranty, Add	12.16 -0.79 -1.60 -2.16 0.10	
07 80 Fire and Smoke Protection ⁽⁰⁷⁾		
07 81 Applied Fireproofing ^(07 80) Note: Includes bonding agents as required.		
07 81 16 Cementitious Fireproofing ^(07 81)		
07 81 16 00-0001 Monokote Fireproofing ^(07 81 16)		
07 81 16 00-0002 SF Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness..... For >10,000, Deduct	2.38 -0.16	0.84
07 81 16 00-0003 SF Monokote Fireproofing For Structural Steel/Beams, Per Inch Of Thickness..... For >10,000, Deduct	3.33 -0.21	1.25
07 81 16 00-0004 SF Monokote Fireproofing For Columns, Per Inch Of Thickness For >10,000, Deduct	3.77 -0.23	1.25
07 81 16 00-0005 Gunitite Fireproofing ^(07 81 16)		
07 81 16 00-0006 SF Non-Reinforced, Gunitite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness..... For >10,000, Deduct	4.53 -0.38	0.79
07 81 16 00-0007 SF Non-Reinforced, Gunitite Fireproofing, For Columns, Per Inch Of Thickness For >10,000, Deduct	5.03 -0.40	0.79
07 81 16 00-0008 SF Non-Reinforced, Gunitite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness..... For >10,000, Deduct	4.08 -0.35	0.79
07 81 16 00-0009 SF Reinforced, Gunitite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness For >10,000, Deduct	5.91 -0.54	0.79
07 81 16 00-0010 SF Reinforced, Gunitite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness..... For >10,000, Deduct	6.36 -0.56	0.79
07 81 16 00-0011 SF Reinforced, Gunitite Fireproofing, For Columns, Per Inch Of Thickness For >10,000, Deduct	6.86 -0.58	0.79
07 81 23 Intumescent Fireproofing ^(07 81)		
07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) ^(07 81 23)		
07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) ^(07 81 23 00-0001) Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) For >10,000, Deduct	18.23 -1.76	
07 81 23 00-0004 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) For >10,000, Deduct	29.45 -2.88	
07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ^(07 81 23 00-0001) Note: Excludes primer.		
07 81 23 00-0006 SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) For >10,000, Deduct	11.70 -1.10	
07 81 23 00-0007 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) For >10,000, Deduct	26.33 -2.56	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	60.03	
		<i>For >10,000, Deduct</i>	-5.93	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	82.74	
		<i>For >10,000, Deduct</i>	-8.20	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	105.49	
		<i>For >10,000, Deduct</i>	-10.47	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	128.26	
		<i>For >10,000, Deduct</i>	-12.74	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)		
		Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.98	
		<i>For >10,000, Deduct</i>	-2.33	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.83	
		<i>For >10,000, Deduct</i>	-4.41	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	71.36	
		<i>For >10,000, Deduct</i>	-7.06	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	99.76	
		<i>For >10,000, Deduct</i>	-9.90	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	126.28	
		<i>For >10,000, Deduct</i>	-12.54	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)		
		Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.56	
		<i>For >10,000, Deduct</i>	-1.11	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.60	
		<i>For >10,000, Deduct</i>	-2.61	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	61.26	
		<i>For >10,000, Deduct</i>	-6.07	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	84.63	
		<i>For >10,000, Deduct</i>	-8.41	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	108.03	
		<i>For >10,000, Deduct</i>	-10.74	
07 81 33		Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001		Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.76	0.75
07 84 Firestopping		(07 80)		
07 84 13		Penetration Firestopping (07 84)		
07 84 13 16		Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)		
		Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	68.34	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	92.93	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	152.75	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)		
		Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	127.57	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	225.68	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	415.54	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	288.29	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	266.56	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	274.81	



Thermal And Moisture Protection			07
Fire and Smoke Protection			07 80
Firestopping			07 84

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0014			Intumescent Firestopping Pipe Collar ^(07 84 13 16)		
07 84 13 16-0015	EA		1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	43.02	12.06
07 84 13 16-0016	EA		2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	52.12	12.06
07 84 13 16-0017	EA		3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	60.71	13.27
07 84 13 16-0018	EA		4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	95.61	15.08
07 84 13 16-0019	EA		8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8").....	475.40	18.09
07 84 13 16-0020	EA		10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10").....	614.53	19.90
07 84 13 16-0021			Fire Rated Enclosures (Fire Rated Product Specialties Corp.) ^(07 84 13 16)		
			Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	174.36	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	185.51	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	372.42	
			Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	234.56	
			Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026			Intumescent Firestopping Wrap Strips ^(07 84 13 16)		
07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	7.03	
07 84 13 19			Penetration Firestopping Caulk ^(07 84 13)		
07 84 13 19-0001			Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) ^(07 84 13 19)		
			Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA		1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	23.19	
			For Intumescent Sealant For Plastic Pipe, Add	0.08	
07 84 13 19-0003	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.64	
			For Intumescent Sealant For Plastic Pipe, Add	0.41	
07 84 13 19-0004	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.38	
			For Intumescent Sealant For Plastic Pipe, Add	0.31	
07 84 13 19-0005	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.95	
			For Intumescent Sealant For Plastic Pipe, Add	0.14	
07 84 13 19-0006	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.28	
			For Intumescent Sealant For Plastic Pipe, Add	0.88	
07 84 13 19-0007	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.01	
			For Intumescent Sealant For Plastic Pipe, Add	0.78	
07 84 13 19-0008	EA		2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.58	
			For Intumescent Sealant For Plastic Pipe, Add	0.60	
07 84 13 19-0009	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.91	
			For Intumescent Sealant For Plastic Pipe, Add	0.34	
07 84 13 19-0010	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.33	
			For Intumescent Sealant For Plastic Pipe, Add	0.10	
07 84 13 19-0011	EA		2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.52	
			For Intumescent Sealant For Plastic Pipe, Add	1.48	
07 84 13 19-0012	EA		2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.26	
			For Intumescent Sealant For Plastic Pipe, Add	1.38	
07 84 13 19-0013	EA		2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.82	
			For Intumescent Sealant For Plastic Pipe, Add	1.20	
07 84 13 19-0014	EA		2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.15	
			For Intumescent Sealant For Plastic Pipe, Add	0.94	
07 84 13 19-0015	EA		2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.58	
			For Intumescent Sealant For Plastic Pipe, Add	0.71	
07 84 13 19-0016	EA		2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.22	
			For Intumescent Sealant For Plastic Pipe, Add	0.16	
07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	56.01	
			For Intumescent Sealant For Plastic Pipe, Add	4.00	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	51.31	
			For Intumescent Sealant For Plastic Pipe, Add	2.12	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	50.88	
			For Intumescent Sealant For Plastic Pipe, Add	1.94	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	50.20	
			For Intumescent Sealant For Plastic Pipe, Add	1.67	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.63	
			For Intumescent Sealant For Plastic Pipe, Add	1.44	
07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.27	
			For Intumescent Sealant For Plastic Pipe, Add	0.90	
07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.51	
			For Intumescent Sealant For Plastic Pipe, Add	0.20	
07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.95	
			For Intumescent Sealant For Plastic Pipe, Add	7.37	
07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.47	
			For Intumescent Sealant For Plastic Pipe, Add	7.18	
07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	74.70	
			For Intumescent Sealant For Plastic Pipe, Add	6.87	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	73.48 6.38	
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	72.45 5.97	
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	64.45 2.77	
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	62.70 2.07	
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	60.03 1.00	
07 84 13 19-0032 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	123.06 17.01	
07 84 13 19-0033 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	122.59 16.82	
07 84 13 19-0034 EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	121.81 16.51	
07 84 13 19-0035 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	120.60 16.02	
07 84 13 19-0036 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	119.57 15.61	
07 84 13 19-0037 EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	117.12 14.63	
07 84 13 19-0038 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	113.96 13.37	
07 84 13 19-0039 EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	109.16 11.45	
07 84 13 19-0040 EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	91.09 4.22	
07 84 13 19-0041 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	164.93 26.86	
07 84 13 19-0042 EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	160.13 24.94	
07 84 13 19-0043 EA 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	150.49 21.08	
07 84 13 19-0044 EA 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	111.20 5.37	
07 84 13 19-0045 EA 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	211.14 38.44	
07 84 13 19-0046 EA 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	182.56 27.01	
07 84 13 19-0047 EA 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	132.13 6.84	

07 84 13 19-0048 Intumescent Firestopping For Sealing Pipe Penetrations (STI SpecSeal SSS Series)

(07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	28.54	
07 84 13 19-0050 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	28.25	
07 84 13 19-0051 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	27.92	
07 84 13 19-0052 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	32.97	
07 84 13 19-0053 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	32.67	
07 84 13 19-0054 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	32.34	
07 84 13 19-0055 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	31.36	
07 84 13 19-0056 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	40.21	
07 84 13 19-0057 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	39.92	
07 84 13 19-0058 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	39.59	
07 84 13 19-0059 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	39.09	
07 84 13 19-0060 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	38.62	
07 84 13 19-0061 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	37.38	
07 84 13 19-0062 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	51.00	
07 84 13 19-0063 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	50.71	
07 84 13 19-0064 EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	50.38	
07 84 13 19-0065 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	49.88	
07 84 13 19-0066 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	49.41	
07 84 13 19-0067 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	48.16	
07 84 13 19-0068 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	46.36	
07 84 13 19-0069 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	66.83	
07 84 13 19-0070 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	66.54	
07 84 13 19-0071 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	66.21	
07 84 13 19-0072 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	65.59	
07 84 13 19-0073 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	64.99	
07 84 13 19-0074 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	63.75	
07 84 13 19-0075 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	62.19	
07 84 13 19-0076 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	59.72	
07 84 13 19-0077 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	101.97	
07 84 13 19-0078 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	101.68	
07 84 13 19-0079 EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	101.35	
07 84 13 19-0080 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	100.85	
07 84 13 19-0081 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	100.38	
07 84 13 19-0082 EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	99.14	
07 84 13 19-0083 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	97.33	



Thermal And Moisture Protection			07	07
Fire and Smoke Protection			07 80	
Firestopping			07 84	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0084	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	95.10		
07 84 13 19-0085	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	89.92		
07 84 13 19-0086	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	131.64		
07 84 13 19-0087	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	129.41		
07 84 13 19-0088	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	124.22		
07 84 13 19-0089	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	110.15		
07 84 13 19-0090	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	163.50		
07 84 13 19-0091	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	149.42		
07 84 13 19-0092	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	130.33		
07 84 13 19-0093 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)					
Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.					
07 84 13 19-0094	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	27.96		
07 84 13 19-0095	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	27.86		
07 84 13 19-0096	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	27.73		
07 84 13 19-0097	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.81		
07 84 13 19-0098	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.71		
07 84 13 19-0099	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.57		
07 84 13 19-0100	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.36		
07 84 13 19-0101	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.17		
07 84 13 19-0102	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	38.09		
07 84 13 19-0103	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.99		
07 84 13 19-0104	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.85		
07 84 13 19-0105	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.64		
07 84 13 19-0106	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.46		
07 84 13 19-0107	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.99		
07 84 13 19-0108	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.91		
07 84 13 19-0109	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.82		
07 84 13 19-0110	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.68		
07 84 13 19-0111	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.47		
07 84 13 19-0112	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.28		
07 84 13 19-0113	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.81		
07 84 13 19-0114	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.16		
07 84 13 19-0115	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.04		
07 84 13 19-0116	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.94		
07 84 13 19-0117	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.80		
07 84 13 19-0118	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.57		
07 84 13 19-0119	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.35		
07 84 13 19-0120	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	59.89		
07 84 13 19-0121	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	59.29		
07 84 13 19-0122	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	58.36		
07 84 13 19-0123	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.65		
07 84 13 19-0124	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.54		
07 84 13 19-0125	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.41		
07 84 13 19-0126	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.20		
07 84 13 19-0127	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.02		
07 84 13 19-0128	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	87.55		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0129	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	86.90	
07 84 13 19-0130	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	86.03	
07 84 13 19-0131	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	84.13	
07 84 13 19-0132	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	110.59	
07 84 13 19-0133	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	109.71	
07 84 13 19-0134	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	107.80	
07 84 13 19-0135	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.42	
07 84 13 19-0136	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	133.37	
07 84 13 19-0137	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	127.98	
07 84 13 19-0138	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.86	
07 84 16 Annular Space Firestopping Protection (07 84)				
07 84 16 00-0001		Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002		Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	37.45	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	54.21	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.51	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	58.81	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	61.11	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	77.87	
07 84 16 00-0009		Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	14.99	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	15.60	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	14.47	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	15.64	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	15.18	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	14.55	
07 84 16 00-0016		Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	40.38	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	43.35	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	47.01	
07 84 16 00-0020		Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16) Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	360.44	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	512.41	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	697.25	
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier (07 84 16) Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	53.90	
07 84 16 00-0026		Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	150.97	
07 84 16 00-0028		Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	188.49	
07 84 23 Silicone Firestopping Foams (07 84)				
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings (07 84 23) Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	44.78	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	99.32	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	179.04	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	269.36	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	384.72	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	522.30	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,065.92	



Thermal And Moisture Protection			07
Fire and Smoke Protection			07 80
Firestopping			07 84

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 84 23 00-0009	EA		20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,595.92	
07 84 23 00-0010	EA		24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	2,240.66	

07 84 43 Joint Firestopping (07 84)**07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)**

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	412.92	103.54
		For Up To 6 CLF, Add	23.20	
		For >30 CLF, Deduct	-25.76	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	464.11	103.54
		For Up To 4 CLF, Add	27.04	
		For >20 CLF, Deduct	-30.88	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	526.78	106.99
		For Up To 3 CLF, Add	31.46	
		For >15 CLF, Deduct	-36.57	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	552.36	106.99
		For Up To 2.5 CLF, Add	33.37	
		For >13 CLF, Deduct	-39.13	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	629.11	106.99
		For Up To 2 CLF, Add	39.13	
		For >10 CLF, Deduct	-46.80	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	705.85	106.99
		For Up To 1.5 CLF, Add	44.89	
		For >8 CLF, Deduct	-54.48	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	794.09	111.59
		For Up To 1.3 CLF, Add	51.22	
		For >7 CLF, Deduct	-62.73	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	742.93	111.59
		For Up To 1.4 CLF, Add	47.38	
		For >7.5 CLF, Deduct	-57.61	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	856.77	115.04
		For Up To 1.15 CLF, Add	55.63	
		For >6 CLF, Deduct	-68.42	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	959.09	115.04
		For Up To 1 CLF, Add	63.30	
		For >5 CLF, Deduct	-78.65	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,072.92	118.49
		For Up To 0.8 CLF, Add	71.55	
		For >4.5 CLF, Deduct	-89.46	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,186.75	123.10
		For Up To 0.75 CLF, Add	79.80	
		For >4 CLF, Deduct	-100.27	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,300.58	126.55
		For Up To 0.65 CLF, Add	88.05	
		For >3.5 CLF, Deduct	-111.08	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,642.07	138.06
		For Up To 0.5 CLF, Add	112.80	
		For >2.5 CLF, Deduct	-143.50	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	184.19	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,097.39	153.01
		For Up To 0.4 CLF, Add	145.80	
		For >2 CLF, Deduct	-186.73	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84 43)

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	427.17	103.54
		For Up To 6 CLF, Add	24.27	
		For >30 CLF, Deduct	-27.19	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	485.45	103.54
		For Up To 4 CLF, Add	28.64	
		For >20 CLF, Deduct	-33.01	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	555.23	106.99
		For Up To 3 CLF, Add	33.59	
		For >15 CLF, Deduct	-39.42	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	584.37	106.99
		For Up To 2.5 CLF, Add	35.77	
		For >13 CLF, Deduct	-42.33	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	671.79	106.99
		For Up To 2 CLF, Add	42.33	
		For >10 CLF, Deduct	-51.07	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	759.20	106.99
		For Up To 1.5 CLF, Add	48.89	
		For >8 CLF, Deduct	-59.81	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	858.12	111.59
		For Up To 1.3 CLF, Add	56.02	
		For >7 CLF, Deduct	-69.13	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	799.84	111.59
		For Up To 1.4 CLF, Add	51.65	
		For >7.5 CLF, Deduct	-63.30	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	927.90	115.04
		For Up To 1.15 CLF, Add	60.96	
		For >6 CLF, Deduct	-75.53	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,044.45	115.04	
		For Up To 1 CLF, Add	69.71		
		For >5 CLF, Deduct	-87.19		
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,172.51	118.49	
		For Up To 0.8 CLF, Add	79.02		
		For >4.5 CLF, Deduct	-99.42		
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,300.57	123.10	
		For Up To 0.75 CLF, Add	88.34		
		For >4 CLF, Deduct	-111.65		
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,428.62	126.55	
		For Up To 0.65 CLF, Add	97.66		
		For >3.5 CLF, Deduct	-123.88		
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,812.80	138.06	
		For Up To 0.5 CLF, Add	125.61		
		For >2.5 CLF, Deduct	-160.57		
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,325.02	153.01	
		For Up To 0.4 CLF, Add	162.87		
		For >2 CLF, Deduct	-209.49		
07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) (07 84					
		43)			
07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	370.91	103.54	
		For Up To 6 CLF, Add	20.05		
		For >30 CLF, Deduct	-21.56		
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	401.05	103.54	
		For Up To 4 CLF, Add	22.31		
		For >20 CLF, Deduct	-24.57		
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	442.70	106.99	
		For Up To 3 CLF, Add	25.15		
		For >15 CLF, Deduct	-28.16		
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	457.77	106.99	
		For Up To 2.5 CLF, Add	26.28		
		For >13 CLF, Deduct	-29.67		
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	502.99	106.99	
		For Up To 2 CLF, Add	29.67		
		For >10 CLF, Deduct	-34.19		
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	548.20	106.99	
		For Up To 1.5 CLF, Add	33.06		
		For >8 CLF, Deduct	-38.71		
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	604.92	111.59	
		For Up To 1.3 CLF, Add	37.03		
		For >7 CLF, Deduct	-43.81		
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	574.77	111.59	
		For Up To 1.4 CLF, Add	34.77		
		For >7.5 CLF, Deduct	-40.80		
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	646.57	115.04	
		For Up To 1.15 CLF, Add	39.86		
		For >6 CLF, Deduct	-47.40		
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	706.85	115.04	
		For Up To 1 CLF, Add	44.39		
		For >5 CLF, Deduct	-53.43		
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	778.64	118.49	
		For Up To 0.8 CLF, Add	49.48		
		For >4.5 CLF, Deduct	-60.03		
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	850.44	123.10	
		For Up To 0.75 CLF, Add	54.58		
		For >4 CLF, Deduct	-66.64		
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	922.22	126.55	
		For Up To 0.65 CLF, Add	59.68		
		For >3.5 CLF, Deduct	-73.24		
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,137.60	138.06	
		For Up To 0.5 CLF, Add	74.97		
		For >2.5 CLF, Deduct	-93.05		
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,424.75	153.01	
		For Up To 0.4 CLF, Add	95.35		
		For >2 CLF, Deduct	-119.47		
07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations (07 84 43)					



Thermal And Moisture Protection			07	07
Fire and Smoke Protection			07 80	
Firestopping			07 84	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	0.92	
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	1.83	
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	2.64	
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.57	
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	4.43	
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	5.41	
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	1.84	
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.66	
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	5.28	
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.16	
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	8.86	
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	10.82	
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.69	
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.33	
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	10.57	
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	14.30	
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	17.72	
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	21.64	
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.39	
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	14.66	
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	21.13	
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	28.62	
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	35.45	
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	43.28	
07 84 43 00-0074 Intumescent Firestopping Sealant For Joints (07 84 43)					
07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	401.44	103.54
		For Up To 6 CLF, Add	.....	22.34	
		For >30 CLF, Deduct	.....	-24.61	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	446.85	103.54
		For Up To 4 CLF, Add	.....	25.75	
		For >20 CLF, Deduct	.....	-29.15	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	503.77	106.99
		For Up To 3 CLF, Add	.....	29.73	
		For >15 CLF, Deduct	.....	-34.27	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	526.47	106.99
		For Up To 2.5 CLF, Add	.....	31.43	
		For >13 CLF, Deduct	.....	-36.54	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	594.58	106.99
		For Up To 2 CLF, Add	.....	36.54	
		For >10 CLF, Deduct	.....	-43.35	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	662.70	106.99
		For Up To 1.5 CLF, Add	.....	41.65	
		For >8 CLF, Deduct	.....	-50.16	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	742.31	111.59
		For Up To 1.3 CLF, Add	.....	47.33	
		For >7 CLF, Deduct	.....	-57.55	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	696.90	111.59
		For Up To 1.4 CLF, Add	.....	43.93	
		For >7.5 CLF, Deduct	.....	-53.01	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	799.23	115.04
		For Up To 1.15 CLF, Add	.....	51.31	
		For >6 CLF, Deduct	.....	-62.67	
07 84 43 00-0084	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	890.05	115.04
		For Up To 1 CLF, Add	.....	58.13	
		For >5 CLF, Deduct	.....	-71.75	
07 84 43 00-0085	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	992.36	118.49
		For Up To 0.8 CLF, Add	.....	65.51	
		For >4.5 CLF, Deduct	.....	-81.40	
07 84 43 00-0086	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	1,094.69	123.10
		For Up To 0.75 CLF, Add	.....	72.90	
		For >4 CLF, Deduct	.....	-91.06	
07 84 43 00-0087	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	1,197.01	126.55
		For Up To 0.65 CLF, Add	.....	80.28	
		For >3.5 CLF, Deduct	.....	-100.72	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0088	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,503.98	138.06	
		For Up To 0.5 CLF, Add	102.44		
		For >2.5 CLF, Deduct	-129.69		
07 84 43 00-0089	CLF	1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,913.26	153.01	
		For Up To 0.4 CLF, Add	131.99		
		For >2 CLF, Deduct	-168.32		
07 84 56 Fire Safing (07 84)					
07 84 56 13 Fibrous Fire Safing (07 84 56)					
07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)					
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.			
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.31		
		For Work In Restricted Working Space, Add	1.46		
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	18.28		
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.			
		For Work In Restricted Working Space, Add	1.46		
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	19.95		
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.			
		For Work In Restricted Working Space, Add	1.46		
07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)					
07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	20.53	11.98	
		For Work In Restricted Working Space, Add	4.81		
		For >500 To 5,000, Deduct	-1.83		
		For >5,000, Deduct	-3.27		
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	24.25	11.98	
		For Work In Restricted Working Space, Add	4.81		
		For >500 To 5,000, Deduct	-2.69		
		For >5,000, Deduct	-4.64		
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	28.33	11.98	
		For Work In Restricted Working Space, Add	4.81		
		For >500 To 5,000, Deduct	-3.63		
		For >5,000, Deduct	-6.15		
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	32.41	11.98	
		For Work In Restricted Working Space, Add	4.81		
		For >500 To 5,000, Deduct	-4.57		
		For >5,000, Deduct	-7.66		
07 84 56 13-0010 Fire Safing (SAFE), Mineral Wool Insulation (07 84 56 13)					
07 84 56 13-0011	SF	4" Thick, Fire Safing (SAFE), Mineral Wool Insulation (Rockwool Roxul)	3.97	0.46	
		For Work In Restricted Working Space, Add	0.38		
07 86 Smoke Seals (07 80)					
07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) (07 86)					
		Note: Mildew Resistant; Mold Resistant			
07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	384.57	103.54	
		For Up To 6 CLF, Add	21.08		
		For >30 CLF, Deduct	-22.93		
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	421.57	103.54	
		For Up To 4 CLF, Add	23.85		
		For >20 CLF, Deduct	-26.63		
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	470.05	106.99	
		For Up To 3 CLF, Add	27.20		
		For >15 CLF, Deduct	-30.90		
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	488.54	106.99	
		For Up To 2.5 CLF, Add	28.59		
		For >13 CLF, Deduct	-32.75		
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	544.02	106.99	
		For Up To 2 CLF, Add	32.75		
		For >10 CLF, Deduct	-38.30		
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	599.49	106.99	
		For Up To 1.5 CLF, Add	36.91		
		For >8 CLF, Deduct	-43.84		
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	666.46	111.59	
		For Up To 1.3 CLF, Add	41.64		
		For >7 CLF, Deduct	-49.96		
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	629.48	111.59	
		For Up To 1.4 CLF, Add	38.87		
		For >7.5 CLF, Deduct	-46.27		
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	714.95	115.04	
		For Up To 1.15 CLF, Add	44.99		
		For >6 CLF, Deduct	-54.24		
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	788.91	115.04	
		For Up To 1 CLF, Add	50.54		
		For >5 CLF, Deduct	-61.63		
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	874.38	118.49	
		For Up To 0.8 CLF, Add	56.66		
		For >4.5 CLF, Deduct	-69.61		



Thermal And Moisture Protection			07
Fire and Smoke Protection			07 80
Smoke Seals			07 86

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	959.85	123.10	
		For Up To 0.75 CLF, Add	62.79		
		For >4 CLF, Deduct	-77.58		
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	1,045.31	126.55	
		For Up To 0.65 CLF, Add	68.91		
		For >3.5 CLF, Deduct	-85.55		
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,301.72	138.06	
		For Up To 0.5 CLF, Add	87.27		
		For >2.5 CLF, Deduct	-109.46		
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,643.58	153.01	
		For Up To 0.4 CLF, Add	111.76		
		For >2 CLF, Deduct	-141.35		

07 90 Joint Protection (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)**07 91 23 00-0001 Backer Rods** (07 91 23)

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.50	0.68
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.70	0.68
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	3.01	0.68
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.52	0.68
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.68	0.81
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	4.12	0.81
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.26	0.81
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.35	0.95
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.56	1.08
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.45	1.22
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.79	1.50

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers** (07 91 26)

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	3.16	0.81
		For Custom Match Coloring, Add	0.06	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	9.55	2.31
		For Custom Match Coloring, Add	0.24	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	11.62	2.45
		For Custom Match Coloring, Add	0.37	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	12.73	2.58
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	17.23	4.76

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	538.29	156.86
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	848.10	226.60
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	685.64	194.25
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	777.76	203.89
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,187.84	313.73
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,347.89	339.82
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,181.96	247.12

07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	565.37	194.25
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,010.57	313.73
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	754.84	267.78
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	949.25	282.73
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,442.07	433.62
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,723.97	470.58
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,340.73	564.10

07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	173.98	31.13
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	347.95	62.12
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	518.41	92.30
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	731.13	124.38
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	173.98	31.13
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	517.86	92.03
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	882.73	138.24
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,763.01	275.52
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,338.77	497.37
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	5,108.13	776.97
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,522.40	1,243.21

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.82	1.77
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	6.16	1.77
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	6.47	1.92
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	6.82	2.05
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	7.29	2.19
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	7.61	2.19
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	8.03	2.32
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	8.28	2.32
07 91 33		Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001		Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	97.29	7.30
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	131.54	7.65
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	167.67	7.99
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	207.88	8.35
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	271.09	8.70
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	312.00	9.04
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	362.79	9.39
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	47.40	7.30
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	52.12	7.41
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	63.96	7.51
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	68.09	7.65
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	73.03	7.75
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	90.62	7.86
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	112.91	7.99
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	134.28	8.35
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	152.53	8.70
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	38.90	7.30
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	51.78	7.65
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	64.43	7.99
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	68.22	8.17
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	76.15	8.35
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	111.41	8.70
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	155.07	9.04
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	36.59	2.90



Thermal And Moisture Protection			07	07
Joint Protection			07 90	
Preformed Joint Seals			07 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	62.08	3.02
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	94.03	3.13
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	118.85	3.24
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	156.77	3.36
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	207.78	3.47
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	255.10	3.60
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	344.49	3.71
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	402.40	3.83

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	35.67	2.90
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	47.38	3.02
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	63.93	3.13
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	87.14	3.24
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	99.56	3.36
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	138.62	3.47
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	186.63	3.60
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	201.58	3.71

07 91 33 00-0047 Molded EPDM Rubber Cover, For Pedestrian Foot Traffic And Slow Speed Non-Commercial Vehicular Traffic (Wabo® SafetyFlex) (07 91 33 00-0001)

07 91 33 00-0048 LF 2-1/2" Minimum, 12" Maximum Joint Opening, Elastomeric Hinged Cover System for Pedestrian Walkway And Low-speed Vehicular Traffic Areas (Wabo® SafetyFlex SFP-600)	268.15	9.39

07 91 33 00-0049 Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal) (07 91 33 00-0001)

Note: Includes epoxy adhesive.

07 91 33 00-0050 LF 0.45" Minimum, 1.25" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-100).....	29.44	
07 91 33 00-0051 LF 0.675" Minimum, 1.875" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-150).....	32.24	
07 91 33 00-0052 LF 0.90" Minimum, 2.50" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-200).....	42.51	
07 91 33 00-0053 LF 1.125" Minimum, 3.125" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-250).....	52.88	
07 91 33 00-0054 LF 1.35" Minimum, 3.75" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-300).....	122.05	
07 91 33 00-0055 LF 1.80" Minimum, 5.00" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-400).....	160.64	

07 92 Joint Sealants (07 90)

07 92 13 Elastomeric Joint Sealants (07 92)

07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)

07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	354.21	103.54
For Custom Match Coloring, Add	10.46	
For Up To 6 CLF, Add	18.80	
For >30 CLF, Deduct	-19.89	
For 1 Part Mildew Resistant, Add	15.26	
For High-Modulus Non-Acid Curing, Add	8.72	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	376.01	103.54
For Custom Match Coloring, Add	15.69	
For Up To 4 CLF, Add	20.44	
For >20 CLF, Deduct	-22.07	
For 1 Part Mildew Resistant, Add	22.89	
For High-Modulus Non-Acid Curing, Add	13.08	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004	CLF	1/4" x 1/2"	Joint, Silicone Sealant And Caulking	409.31	106.99
			For Custom Match Coloring, Add	20.92	
			For Up To 3 CLF, Add	22.65	
			For >15 CLF, Deduct	-24.82	
			For 1 Part Mildew Resistant, Add	30.51	
			For High-Modulus Non-Acid Curing, Add	17.44	
07 92 13 00-0005	CLF	3/8" x 3/8"	Joint, Silicone Sealant And Caulking	420.21	106.99
			For Custom Match Coloring, Add	23.54	
			For Up To 2.5 CLF, Add	23.46	
			For >13 CLF, Deduct	-25.91	
			For 1 Part Mildew Resistant, Add	34.33	
			For High-Modulus Non-Acid Curing, Add	19.62	
07 92 13 00-0006	CLF	3/8" x 1/2"	Joint, Silicone Sealant And Caulking	452.90	106.99
			For Custom Match Coloring, Add	31.38	
			For Up To 2 CLF, Add	25.91	
			For >10 CLF, Deduct	-29.18	
			For 1 Part Mildew Resistant, Add	45.77	
			For High-Modulus Non-Acid Curing, Add	26.15	
07 92 13 00-0007	CLF	3/8" x 5/8"	Joint, Silicone Sealant And Caulking	485.59	106.99
			For Custom Match Coloring, Add	39.23	
			For Up To 1.5 CLF, Add	28.37	
			For >8 CLF, Deduct	-32.45	
			For 1 Part Mildew Resistant, Add	57.21	
			For High-Modulus Non-Acid Curing, Add	32.69	
07 92 13 00-0008	CLF	3/8" x 3/4"	Joint, Silicone Sealant And Caulking	529.78	111.59
			For Custom Match Coloring, Add	47.08	
			For Up To 1.3 CLF, Add	31.39	
			For >7 CLF, Deduct	-36.30	
			For 1 Part Mildew Resistant, Add	68.65	
			For High-Modulus Non-Acid Curing, Add	39.23	
07 92 13 00-0009	CLF	1/2" x 1/2"	Joint, Silicone Sealant And Caulking	507.99	111.59
			For Custom Match Coloring, Add	41.85	
			For Up To 1.4 CLF, Add	29.76	
			For >7.5 CLF, Deduct	-34.12	
			For 1 Part Mildew Resistant, Add	61.03	
			For High-Modulus Non-Acid Curing, Add	34.87	
07 92 13 00-0010	CLF	1/2" x 5/8"	Joint, Silicone Sealant And Caulking	563.09	115.04
			For Custom Match Coloring, Add	52.31	
			For Up To 1.15 CLF, Add	33.60	
			For >6 CLF, Deduct	-39.05	
			For 1 Part Mildew Resistant, Add	76.28	
			For High-Modulus Non-Acid Curing, Add	43.59	
07 92 13 00-0011	CLF	1/2" x 3/4"	Joint, Silicone Sealant And Caulking	606.68	115.04
			For Custom Match Coloring, Add	62.77	
			For Up To 1 CLF, Add	36.87	
			For >5 CLF, Deduct	-43.41	
			For 1 Part Mildew Resistant, Add	91.54	
			For High-Modulus Non-Acid Curing, Add	52.31	
07 92 13 00-0012	CLF	1/2" x 7/8"	Joint, Silicone Sealant And Caulking	661.77	118.49
			For Custom Match Coloring, Add	73.23	
			For Up To 0.8 CLF, Add	40.72	
			For >4.5 CLF, Deduct	-48.35	
			For 1 Part Mildew Resistant, Add	106.80	
			For High-Modulus Non-Acid Curing, Add	61.03	
07 92 13 00-0013	CLF	1/2" x 1"	Joint, Silicone Sealant And Caulking	716.87	123.10
			For Custom Match Coloring, Add	83.69	
			For Up To 0.75 CLF, Add	44.56	
			For >4 CLF, Deduct	-53.28	
			For 1 Part Mildew Resistant, Add	122.05	
			For High-Modulus Non-Acid Curing, Add	69.74	
07 92 13 00-0014	CLF	3/4" x 3/4"	Joint, Silicone Sealant And Caulking	771.96	126.55
			For Custom Match Coloring, Add	94.15	
			For Up To 0.65 CLF, Add	48.41	
			For >3.5 CLF, Deduct	-58.21	
			For 1 Part Mildew Resistant, Add	137.31	
			For High-Modulus Non-Acid Curing, Add	78.46	
07 92 13 00-0015	CLF	3/4" x 1"	Joint, Silicone Sealant And Caulking	937.25	138.06
			For Custom Match Coloring, Add	125.54	
			For Up To 0.5 CLF, Add	59.94	
			For >2.5 CLF, Deduct	-73.02	
			For 1 Part Mildew Resistant, Add	183.08	
			For High-Modulus Non-Acid Curing, Add	104.62	
07 92 13 00-0016	CLF	1" x 1"	Joint, Silicone Sealant And Caulking	1,157.62	153.01
			For Custom Match Coloring, Add	167.39	
			For Up To 0.4 CLF, Add	75.32	
			For >2 CLF, Deduct	-92.75	
			For 1 Part Mildew Resistant, Add	244.10	
			For High-Modulus Non-Acid Curing, Add	139.49	
07 92 13 00-0017	Acrylic/Latex Sealant And Caulking (07 92 13)				
07 92 13 00-0018	CLF	1/4" x 1/4"	Joint, Acrylic/Latex Sealant And Caulking	325.91	103.54
			For Up To 6 CLF, Add	16.68	
			For >30 CLF, Deduct	-17.06	



Thermal And Moisture Protection			07	07
Joint Protection			07 90	
Joint Sealants			07 92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	.....	333.56	103.54
		For Up To 4 CLF, Add	17.25		
		For >20 CLF, Deduct	-17.83		
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	.....	352.72	106.99
		For Up To 3 CLF, Add	18.40		
		For >15 CLF, Deduct	-19.17		
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	.....	356.54	106.99
		For Up To 2.5 CLF, Add	18.69		
		For >13 CLF, Deduct	-19.55		
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	.....	368.01	106.99
		For Up To 2 CLF, Add	19.55		
		For >10 CLF, Deduct	-20.69		
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	.....	379.48	106.99
		For Up To 1.5 CLF, Add	20.41		
		For >8 CLF, Deduct	-21.84		
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	.....	402.45	111.59
		For Up To 1.3 CLF, Add	21.84		
		For >7 CLF, Deduct	-23.56		
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	.....	394.80	111.59
		For Up To 1.4 CLF, Add	21.27		
		For >7.5 CLF, Deduct	-22.80		
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	.....	421.60	115.04
		For Up To 1.15 CLF, Add	22.99		
		For >6 CLF, Deduct	-24.90		
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	.....	436.90	115.04
		For Up To 1 CLF, Add	24.14		
		For >5 CLF, Deduct	-26.43		
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	.....	463.69	118.49
		For Up To 0.8 CLF, Add	25.86		
		For >4.5 CLF, Deduct	-28.54		
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	.....	490.49	123.10
		For Up To 0.75 CLF, Add	27.58		
		For >4 CLF, Deduct	-30.64		
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	.....	517.28	126.55
		For Up To 0.65 CLF, Add	29.30		
		For >3.5 CLF, Deduct	-32.75		
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	.....	597.68	138.06
		For Up To 0.5 CLF, Add	34.47		
		For >2.5 CLF, Deduct	-39.06		
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	.....	704.86	153.01
		For Up To 0.4 CLF, Add	41.36		
		For >2 CLF, Deduct	-47.48		
07 92 13 00-0033 Polyurethane Sealant And Caulking (07 92 13)					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	.....	344.05	103.54
		For Up To 6 CLF, Add	18.04		
		For >30 CLF, Deduct	-18.87		
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	.....	360.77	103.54
		For Up To 4 CLF, Add	19.29		
		For >20 CLF, Deduct	-20.55		
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	.....	388.99	106.99
		For Up To 3 CLF, Add	21.12		
		For >15 CLF, Deduct	-22.79		
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	.....	397.35	106.99
		For Up To 2.5 CLF, Add	21.75		
		For >13 CLF, Deduct	-23.63		
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	.....	422.43	106.99
		For Up To 2 CLF, Add	23.63		
		For >10 CLF, Deduct	-26.14		
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	.....	447.50	106.99
		For Up To 1.5 CLF, Add	25.51		
		For >8 CLF, Deduct	-28.64		
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	.....	484.07	111.59
		For Up To 1.3 CLF, Add	27.96		
		For >7 CLF, Deduct	-31.73		
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	.....	467.36	111.59
		For Up To 1.4 CLF, Add	26.71		
		For >7.5 CLF, Deduct	-30.05		
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	.....	512.30	115.04
		For Up To 1.15 CLF, Add	29.79		
		For >6 CLF, Deduct	-33.97		
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	.....	545.73	115.04
		For Up To 1 CLF, Add	32.30		
		For >5 CLF, Deduct	-37.32		
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	.....	590.66	118.49
		For Up To 0.8 CLF, Add	35.38		
		For >4.5 CLF, Deduct	-41.23		
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	.....	635.61	123.10
		For Up To 0.75 CLF, Add	38.47		
		For >4 CLF, Deduct	-45.15		
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	.....	680.54	126.55
		For Up To 0.65 CLF, Add	41.55		
		For >3.5 CLF, Deduct	-49.07		

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking..... For Up To 0.5 CLF, Add For >2.5 CLF, Deduct	815.35 50.80 -60.83	138.06
07 92 13 00-0048		Flexible Polysulfide Sealant And Caulking, Clear (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking For Up To 6 CLF, Add For >30 CLF, Deduct	347.22 18.28 -19.19	103.54
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking For Up To 4 CLF, Add For >20 CLF, Deduct	365.54 19.65 -21.02	103.54
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 3 CLF, Add For >15 CLF, Deduct	395.36 21.60 -23.43	106.99
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking For Up To 2.5 CLF, Add For >13 CLF, Deduct	404.51 22.29 -24.34	106.99
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 2 CLF, Add For >10 CLF, Deduct	431.98 24.35 -27.09	106.99
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking For Up To 1.5 CLF, Add For >8 CLF, Deduct	459.43 26.40 -29.84	106.99
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 1.3 CLF, Add For >7 CLF, Deduct	498.38 29.04 -33.16	111.59
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 1.4 CLF, Add For >7.5 CLF, Deduct	480.08 27.67 -31.33	111.59
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking For Up To 1.15 CLF, Add For >6 CLF, Deduct	528.21 30.99 -35.56	115.04
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 1 CLF, Add For >5 CLF, Deduct	564.82 33.73 -39.23	115.04
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking For Up To 0.8 CLF, Add For >4.5 CLF, Deduct	612.94 37.05 -43.46	118.49
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking For Up To 0.75 CLF, Add For >4 CLF, Deduct	661.05 40.38 -47.70	123.10
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 0.65 CLF, Add For >3.5 CLF, Deduct	709.17 43.70 -51.93	126.55
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking For Up To 0.5 CLF, Add For >2.5 CLF, Deduct	853.52 53.66 -64.64	138.06
07 92 13 00-0063		Flexible Polyurethane Security Sealant And Caulking (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 6 CLF, Add For >30 CLF, Deduct	354.99 18.86 -19.97	103.54
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 4 CLF, Add For >20 CLF, Deduct	377.18 20.52 -22.19	103.54
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 3 CLF, Add For >15 CLF, Deduct	410.87 22.76 -24.98	106.99
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 2.5 CLF, Add For >13 CLF, Deduct	421.97 23.59 -26.09	106.99
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 2 CLF, Add For >10 CLF, Deduct	455.24 26.09 -29.42	106.99
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.5 CLF, Add For >8 CLF, Deduct	488.52 28.59 -32.75	106.99
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.3 CLF, Add For >7 CLF, Deduct	533.30 31.66 -36.65	111.59
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.4 CLF, Add For >7.5 CLF, Deduct	511.12 29.99 -34.43	111.59
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.15 CLF, Add For >6 CLF, Deduct	567.00 33.90 -39.44	115.04
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1 CLF, Add For >5 CLF, Deduct	611.37 37.22 -43.88	115.04



Thermal And Moisture Protection			07
Joint Protection			07 90
Joint Sealants			07 92

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	667.24	118.49	
		For Up To 0.8 CLF, Add	41.13		
		For >4.5 CLF, Deduct	-48.89		
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	723.12	123.10	
		For Up To 0.75 CLF, Add	45.03		
		For >4 CLF, Deduct	-53.90		
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	778.99	126.55	
		For Up To 0.65 CLF, Add	48.93		
		For >3.5 CLF, Deduct	-58.92		
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	946.63	138.06	
		For Up To 0.5 CLF, Add	60.64		
		For >2.5 CLF, Deduct	-73.95		

07 92 19 Acoustical Joint Sealants (07 92)**07 92 19 00-0001 Acoustical Sealant** (07 92 19)

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	364.59	103.54	
		For Custom Match Coloring, Add	12.95		
		For Up To 6 CLF, Add	19.58		
		For >30 CLF, Deduct	-20.93		
		For 1 Part Mildew Resistant, Add	18.89		
		For High-Modulus Non-Acid Curing, Add	10.79		
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	385.08	103.54	
		For Custom Match Coloring, Add	17.87		
		For Up To 4 CLF, Add	21.12		
		For >20 CLF, Deduct	-22.98		
		For 1 Part Mildew Resistant, Add	26.06		
		For High-Modulus Non-Acid Curing, Add	14.89		
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	408.67	106.99	
		For Custom Match Coloring, Add	20.77		
		For Up To 3 CLF, Add	22.60		
		For >15 CLF, Deduct	-24.76		
		For 1 Part Mildew Resistant, Add	30.29		
		For High-Modulus Non-Acid Curing, Add	17.31		
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	442.20	106.99	
		For Custom Match Coloring, Add	28.82		
		For Up To 2.5 CLF, Add	25.11		
		For >13 CLF, Deduct	-28.11		
		For 1 Part Mildew Resistant, Add	42.02		
		For High-Modulus Non-Acid Curing, Add	24.01		
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	477.06	106.99	
		For Custom Match Coloring, Add	37.18		
		For Up To 2 CLF, Add	27.73		
		For >10 CLF, Deduct	-31.60		
		For 1 Part Mildew Resistant, Add	54.23		
		For High-Modulus Non-Acid Curing, Add	30.99		
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	551.95	111.59	
		For Custom Match Coloring, Add	52.40		
		For Up To 1.4 CLF, Add	33.06		
		For >7.5 CLF, Deduct	-38.51		
		For 1 Part Mildew Resistant, Add	76.41		
		For High-Modulus Non-Acid Curing, Add	43.66		

07 95 Expansion Control (07 90)**07 95 13 Expansion Joint Cover Assemblies** (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies** (07 95 13 13)**07 95 13 13-0002 With 1" Space** (07 95 13 13-0001)

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	82.74	6.87	
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	46.08	6.87	
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.45	6.87	

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	112.03	6.87	
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	53.38	6.87	
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.60	6.87	

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)**07 95 13 13-0011 With 1" Space** (07 95 13 13-0010)

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	59.43	6.87	
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	44.75	6.87	
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	84.35	6.87	

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	77.00	6.87
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	48.39	6.87
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.42	6.87
07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)				
07 95 13 16-0001		Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)		
07 95 13 16-0002		Roof To Roof (07 95 13 16-0001)		
07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	114.71	4.58
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	139.36	4.58
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	156.34	4.58
07 95 13 16-0006		Roof To Wall (07 95 13 16-0001)		
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	83.73	4.58
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	113.90	4.58
07 95 13 16-0009		Flat Wall To Wall (07 95 13 16-0001)		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	61.33	4.58
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	79.43	4.58
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	101.28	4.58
07 95 13 16-0013		Corner To Flat Wall (07 95 13 16-0001)		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	57.04	4.58
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	69.10	4.58
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	103.02	4.58

END OF SECTION 07



Openings		08	08
Operation and Maintenance of Openings		08 01	
Operation and Maintenance of Doors and Frames		08 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings⁽⁰⁸⁾

08 01 10 Operation and Maintenance of Doors and Frames^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames^(08 01 10)

08 01 11 61 Metal Doors and Frames Repair^(08 01 11)

08 01 11 61-0001		Hollow Metal Door Repair ^(08 01 11 61)	
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.			
08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	26.20
Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish			
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes	52.55
Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish			
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	63.25

08 01 40 Operation and Maintenance of Entrances, Storefronts, and Curtain Walls^(08 01)

08 01 44 Operation and Maintenance of Curtain Walls^(08 01 40)

08 01 44 00-0001		Retrofit Curtain Walls ^(08 01 44)	
08 01 44 00-0002	EA	Curtain Wall Retrofit Glass Lites, 5' x 7' nominal, 1" IG Viracon VWS7-08 HS/HS Superwindow	2,918.41
08 01 44 00-0003	LF	Curtain Wall Retrofit Exterior Mullion Caps	27.93
08 01 44 00-0004	LF	Curtain Wall Retrofit Exterior Corner Covers 12" x 12" nominal	115.86
08 01 44 00-0005	LF	Curtain Wall Retrofit Exterior Parapet Covers	108.33
08 01 44 00-0006	LF	Curtain Wall Retrofit Remove/Reinstall Existing Mullion	28.25
08 01 44 00-0007	EA	Curtain Wall Retrofit one time Extrusion Die Engineering/ Manufacture Fee	12,000.00

08 01 50 Operation and Maintenance of Windows^(08 01)

08 01 52 Operation and Maintenance of Wood Windows^(08 01 50)

08 01 52 61 Wood Window Repairs^(08 01 52)

08 01 52 61-0001		Window Restoration And Replacement ^(08 01 52 61)	
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	13.07
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	37.53
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	42.94
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	26.29
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	23.35
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	29.00
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	86.54
Note: Channel, spiral or coil balance.			
For Replacing Two Balances In One Window, Deduct			-31.76

08 01 80 Maintenance of Glazing^(08 01)

08 01 81 Maintenance of Glass Glazing^(08 01 80)

08 01 81 10 Maintenance of Glass Glazing^(08 01 81)

08 01 81 10-0001		Glazing Compound Repair ^(08 01 81 10)	
08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	8.19

08 05 Common Work Results for Openings⁽⁰⁸⁾

08 05 13 Door Options and Modifications^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001		Door Vision Panels (Pemko LT-S1) ^(08 05 13)	
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.			
08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	155.03
For 9/16" To 1-1/16" Glazing Pocket, Add			77.52
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	196.24
For 9/16" To 1-1/16" Glazing Pocket, Add			98.12
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.64
For 9/16" To 1-1/16" Glazing Pocket, Add			113.82

08 Openings**08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	290.44	
		For 9/16" To 1-1/16" Glazing Pocket, Add	145.22	
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	376.79	
		For 9/16" To 1-1/16" Glazing Pocket, Add	188.40	
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	480.79	
		For 9/16" To 1-1/16" Glazing Pocket, Add	240.40	
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	510.23	
		For 9/16" To 1-1/16" Glazing Pocket, Add	255.12	
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	256.03	
		For 9/16" To 1-1/16" Glazing Pocket, Add	70.47	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	305.01	
		For 9/16" To 1-1/16" Glazing Pocket, Add	89.20	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	345.06	
		For 9/16" To 1-1/16" Glazing Pocket, Add	103.48	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	413.66	
		For 9/16" To 1-1/16" Glazing Pocket, Add	132.02	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	503.66	
		For 9/16" To 1-1/16" Glazing Pocket, Add	171.27	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	609.73	
		For 9/16" To 1-1/16" Glazing Pocket, Add	218.55	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	648.00	
		For 9/16" To 1-1/16" Glazing Pocket, Add	231.93	
08 05 13 00-0016		Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13) Note: Factory primed or powder coated.		
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	147.83	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	167.93	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	228.24	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	425.62	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	526.35	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	628.69	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	820.39	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	965.72	
		For 18 Gauge Louver And 18 Gauge Frame, Add	115.89	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	234.15	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	262.88	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	331.82	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	537.84	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	647.20	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	758.16	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	958.50	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,109.58	
		For 18 Gauge Louver And 18 Gauge Frame, Add	115.89	
08 05 13 00-0033		Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13) Note: Factory primed or powder coated.		
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	299.36	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	342.56	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	402.37	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	402.94	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	457.65	



Openings		08	08
Common Work Results for Openings		08 05	
Door Options and Modifications		08 05 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 05 13 00-0039	EA		For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	526.67	

08 05 13 00-0040 Door Hardware Preparation (08 05 13)

08 05 13 00-0041	EA		Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	86.28	
08 05 13 00-0042	EA		Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	212.83	
Note: Requires door to be taken off site for UL certification.					
08 05 13 00-0043	EA		Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	97.78	
08 05 13 00-0044	EA		Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware	172.57	
Note: Requires door to be taken off site for UL certification.					
08 05 13 00-0045	EA		Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	28.76	
08 05 13 00-0046	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	316.41	
Note: Requires door to be taken off site for UL certification.					
08 05 13 00-0047	EA		Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	201.32	
08 05 13 00-0048	EA		Prepare Existing Wood Door (Rated) For Electric Hardware	212.83	
Note: Requires door to be taken off site for UL certification.					
08 05 13 00-0049	EA		Prepare Existing Wood Door (Non-Rated) For Electric Hardware	97.78	

08 05 13 00-0050 Door Modifications (08 05 13)

08 05 13 00-0051	EA		Removal And Reinstallation Of Door	97.83	
08 05 13 00-0052	EA		Removal And Reinstallation Of Metal Door Frame	191.82	
08 05 13 00-0053	EA		Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	103.58	
Note: Excludes removal and reinstallation of door.					
08 05 13 00-0054	EA		Modify Metal Door Frame For Door Swing	1,344.28	
Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.					
08 05 13 00-0055	EA		Factory Installed Sound Proofing (STC 28) In Metal Door.....	112.98	
08 05 13 00-0056	SF		For 16 Gauge Steel Metal Plate Bolted On Door	24.50	
Note: Includes mounting hardware.					
08 05 13 00-0057	EA		Removal And Reinstallation Of Wood Door Frame.....	115.91	
08 05 13 00-0058	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	52.17	
Note: Excludes removal and reinstallation of door.					
08 05 13 00-0059	EA		Factory Trim Wood Door Edge For Custom Width	75.35	

08 10 Doors and Frames (08)

08 11 Metal Doors and Frames (08 10)

08 11 13 Hollow Metal Doors and Frames (08 11)
See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames (08 11)
See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames (08 11)

08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).					
08 11 63 13-0002	EA		2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	858.02	158.26
08 11 63 13-0003	EA		3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	869.57	164.01
08 11 63 13-0004	EA		Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,190.34	164.01

08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).					
08 11 63 23-0002	EA		Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,186.22	92.08
For Special Finished, Add				114.72	
08 11 63 23-0003	EA		Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,250.70	92.08
08 11 63 23-0004	EA		Aluminum Screen Door.....	324.15	57.52
08 11 63 23-0005	SF		Repair Screen Door	14.49	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)

Note: 3 hour rating. Excludes electrical hook-up of motor.					
08 11 73 00-0002	EA		3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,539.36	572.68
08 11 73 00-0003	EA		3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,813.91	572.68
08 11 73 00-0004	EA		4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,271.38	572.68
08 11 73 00-0005	EA		5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,771.10	572.68

08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 Hollow Metal Frames (08 12)**08 12 13 13 Standard Hollow Metal Frames** (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003	EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	741.51	86.32
	For Auxiliary Frame Reinforcement For Hinges, Add	85.33	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	68.26	
	For Type 304 Stainless Steel Frame, Add	1,032.60	
	For Type 316 Stainless Steel Frame, Add	1,203.26	
	For Baked Enamel Finish, Add	196.56	
	For 18 Gauge Frame, Deduct	-56.89	
	For 14 Gauge Frame, Add	142.22	
	For 12 Gauge Frame, Add	216.17	
	For Clear Aluminum Frames (Three Piece), Add	167.82	
	For Black Aluminum Frames (Three Piece), Add	255.99	
08 12 13 13-0004	EA 2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	867.13	94.95
	For Auxiliary Frame Reinforcement For Hinges, Add	101.58	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	81.27	
	For Type 304 Stainless Steel Frame, Add	1,228.51	
	For Type 316 Stainless Steel Frame, Add	1,431.68	
	For Baked Enamel Finish, Add	231.65	
	For 18 Gauge Frame, Deduct	-67.72	
	For 14 Gauge Frame, Add	169.31	
	For 12 Gauge Frame, Add	257.35	
	For Clear Aluminum Frames (Three Piece), Add	199.78	
	For Black Aluminum Frames (Three Piece), Add	304.75	
08 12 13 13-0005	EA 2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	889.49	100.70
	For Auxiliary Frame Reinforcement For Hinges, Add	103.21	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	82.57	
	For Type 304 Stainless Steel Frame, Add	1,248.60	
	For Type 316 Stainless Steel Frame, Add	1,455.02	
	For Baked Enamel Finish, Add	236.63	
	For 18 Gauge Frame, Deduct	-68.81	
	For 14 Gauge Frame, Add	172.02	
	For 12 Gauge Frame, Add	261.47	
	For Clear Aluminum Frames (Three Piece), Add	202.98	
	For Black Aluminum Frames (Three Piece), Add	309.63	
08 12 13 13-0006	EA 2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	906.75	109.34
	For Auxiliary Frame Reinforcement For Hinges, Add	103.21	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	82.57	
	For Type 304 Stainless Steel Frame, Add	1,249.46	
	For Type 316 Stainless Steel Frame, Add	1,455.88	
	For Baked Enamel Finish, Add	239.22	
	For 18 Gauge Frame, Deduct	-68.81	
	For 14 Gauge Frame, Add	172.02	
	For 12 Gauge Frame, Add	261.47	
	For Clear Aluminum Frames (Three Piece), Add	202.98	
	For Black Aluminum Frames (Three Piece), Add	309.63	
08 12 13 13-0007	EA 2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	923.33	112.22
	For Auxiliary Frame Reinforcement For Hinges, Add	104.84	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	83.87	
	For Type 304 Stainless Steel Frame, Add	1,269.24	
	For Type 316 Stainless Steel Frame, Add	1,478.91	
	For Baked Enamel Finish, Add	243.33	
	For 18 Gauge Frame, Deduct	-69.89	
	For 14 Gauge Frame, Add	174.73	
	For 12 Gauge Frame, Add	265.58	
	For Clear Aluminum Frames (Three Piece), Add	206.18	
	For Black Aluminum Frames (Three Piece), Add	314.51	
08 12 13 13-0008	EA 3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	939.93	115.09
	For Auxiliary Frame Reinforcement For Hinges, Add	106.46	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	85.17	
	For Type 304 Stainless Steel Frame, Add	1,289.04	
	For Type 316 Stainless Steel Frame, Add	1,501.96	
	For Baked Enamel Finish, Add	247.45	
	For 18 Gauge Frame, Deduct	-70.97	
	For 14 Gauge Frame, Add	177.44	
	For 12 Gauge Frame, Add	269.70	
	For Clear Aluminum Frames (Three Piece), Add	209.37	
	For Black Aluminum Frames (Three Piece), Add	319.38	



Openings			08	08
Doors and Frames			08 10	
Metal Frames			08 12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,000.19	120.85
		For Auxiliary Frame Reinforcement For Hinges, Add	113.78	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.02	
		For Type 304 Stainless Steel Frame, Add	1,377.38	
		For Type 316 Stainless Steel Frame, Add	1,604.93	
		For Baked Enamel Finish, Add	263.80	
		For 18 Gauge Frame, Deduct	-75.85	
		For 14 Gauge Frame, Add	189.63	
		For 12 Gauge Frame, Add	288.23	
		For Clear Aluminum Frames (Three Piece), Add	223.76	
		For Black Aluminum Frames (Three Piece), Add	341.33	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,011.70	126.61
		For Auxiliary Frame Reinforcement For Hinges, Add	113.78	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.02	
		For Type 304 Stainless Steel Frame, Add	1,377.96	
		For Type 316 Stainless Steel Frame, Add	1,605.51	
		For Baked Enamel Finish, Add	265.53	
		For 18 Gauge Frame, Deduct	-75.85	
		For 14 Gauge Frame, Add	189.63	
		For 12 Gauge Frame, Add	288.23	
		For Clear Aluminum Frames (Three Piece), Add	223.76	
		For Black Aluminum Frames (Three Piece), Add	341.33	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,050.30	132.35
		For Auxiliary Frame Reinforcement For Hinges, Add	117.84	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	94.27	
		For Type 304 Stainless Steel Frame, Add	1,427.30	
		For Type 316 Stainless Steel Frame, Add	1,662.97	
		For Baked Enamel Finish, Add	275.38	
		For 18 Gauge Frame, Deduct	-78.56	
		For 14 Gauge Frame, Add	196.40	
		For 12 Gauge Frame, Add	298.52	
		For Clear Aluminum Frames (Three Piece), Add	231.75	
		For Black Aluminum Frames (Three Piece), Add	353.52	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,088.91	138.11
		For Auxiliary Frame Reinforcement For Hinges, Add	121.90	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	97.52	
		For Type 304 Stainless Steel Frame, Add	1,476.64	
		For Type 316 Stainless Steel Frame, Add	1,720.44	
		For Baked Enamel Finish, Add	285.24	
		For 18 Gauge Frame, Deduct	-81.27	
		For 14 Gauge Frame, Add	203.17	
		For 12 Gauge Frame, Add	308.82	
		For Clear Aluminum Frames (Three Piece), Add	239.74	
		For Black Aluminum Frames (Three Piece), Add	365.71	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,100.41	143.86
		For Auxiliary Frame Reinforcement For Hinges, Add	121.90	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	97.52	
		For Type 304 Stainless Steel Frame, Add	1,477.21	
		For Type 316 Stainless Steel Frame, Add	1,721.01	
		For Baked Enamel Finish, Add	286.96	
		For 18 Gauge Frame, Deduct	-81.27	
		For 14 Gauge Frame, Add	203.17	
		For 12 Gauge Frame, Add	308.82	
		For Clear Aluminum Frames (Three Piece), Add	239.74	
		For Black Aluminum Frames (Three Piece), Add	365.71	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,119.71	146.74
		For Auxiliary Frame Reinforcement For Hinges, Add	123.93	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	99.15	
		For Type 304 Stainless Steel Frame, Add	1,501.87	
		For Type 316 Stainless Steel Frame, Add	1,749.74	
		For Baked Enamel Finish, Add	291.89	
		For 18 Gauge Frame, Deduct	-82.62	
		For 14 Gauge Frame, Add	206.56	
		For 12 Gauge Frame, Add	313.96	
		For Clear Aluminum Frames (Three Piece), Add	243.73	
		For Black Aluminum Frames (Three Piece), Add	371.80	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,139.01	149.62
		For Auxiliary Frame Reinforcement For Hinges, Add	125.97	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	100.77	
		For Type 304 Stainless Steel Frame, Add	1,526.55	
		For Type 316 Stainless Steel Frame, Add	1,778.48	
		For Baked Enamel Finish, Add	296.82	
		For 18 Gauge Frame, Deduct	-83.98	
		For 14 Gauge Frame, Add	209.94	
		For 12 Gauge Frame, Add	319.11	
		For Clear Aluminum Frames (Three Piece), Add	247.73	
		For Black Aluminum Frames (Three Piece), Add	377.90	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,198.94		152.50
		For Auxiliary Frame Reinforcement For Hinges, Add	134.09		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	107.27		
		For Type 304 Stainless Steel Frame, Add	1,624.34		
		For Type 316 Stainless Steel Frame, Add	1,892.52		
		For Baked Enamel Finish, Add	313.93		
		For 18 Gauge Frame, Deduct	-89.39		
		For 14 Gauge Frame, Add	223.49		
		For 12 Gauge Frame, Add	339.70		
		For Clear Aluminum Frames (Three Piece), Add	263.71		
		For Black Aluminum Frames (Three Piece), Add	402.27		
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.87		155.38
		For Auxiliary Frame Reinforcement For Hinges, Add	142.22		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	113.77		
		For Type 304 Stainless Steel Frame, Add	1,722.15		
		For Type 316 Stainless Steel Frame, Add	2,006.59		
		For Baked Enamel Finish, Add	331.05		
		For 18 Gauge Frame, Deduct	-94.81		
		For 14 Gauge Frame, Add	237.03		
		For 12 Gauge Frame, Add	360.29		
		For Clear Aluminum Frames (Three Piece), Add	279.70		
		For Black Aluminum Frames (Three Piece), Add	426.65		
08 12 13 13-0018		>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)			
08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	804.72		86.32
		For Auxiliary Frame Reinforcement For Hinges, Add	94.81		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	75.85		
		For Type 304 Stainless Steel Frame, Add	1,146.38		
		For Type 316 Stainless Steel Frame, Add	1,336.00		
		For Baked Enamel Finish, Add	215.52		
		For 18 Gauge Frame, Deduct	-63.21		
		For 14 Gauge Frame, Add	158.02		
		For 12 Gauge Frame, Add	240.19		
		For Clear Aluminum Frames (Three Piece), Add	186.46		
		For Black Aluminum Frames (Three Piece), Add	284.44		
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	942.38		94.95
		For Auxiliary Frame Reinforcement For Hinges, Add	112.87		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	90.30		
		For Type 304 Stainless Steel Frame, Add	1,363.96		
		For Type 316 Stainless Steel Frame, Add	1,589.70		
		For Baked Enamel Finish, Add	254.23		
		For 18 Gauge Frame, Deduct	-75.25		
		For 14 Gauge Frame, Add	188.12		
		For 12 Gauge Frame, Add	285.94		
		For Clear Aluminum Frames (Three Piece), Add	221.98		
		For Black Aluminum Frames (Three Piece), Add	338.62		
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	965.94		100.70
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	91.74		
		For Type 304 Stainless Steel Frame, Add	1,386.21		
		For Type 316 Stainless Steel Frame, Add	1,615.56		
		For Baked Enamel Finish, Add	259.57		
		For 18 Gauge Frame, Deduct	-76.45		
		For 14 Gauge Frame, Add	191.13		
		For 12 Gauge Frame, Add	290.52		
		For Clear Aluminum Frames (Three Piece), Add	225.53		
		For Black Aluminum Frames (Three Piece), Add	344.03		
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	983.20		109.34
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	91.74		
		For Type 304 Stainless Steel Frame, Add	1,387.07		
		For Type 316 Stainless Steel Frame, Add	1,616.43		
		For Baked Enamel Finish, Add	262.16		
		For 18 Gauge Frame, Deduct	-76.45		
		For 14 Gauge Frame, Add	191.13		
		For 12 Gauge Frame, Add	290.52		
		For Clear Aluminum Frames (Three Piece), Add	225.53		
		For Black Aluminum Frames (Three Piece), Add	344.03		



Openings			08	08
Doors and Frames			08 10	
Metal Frames			08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,000.99	112.22	
		For Auxiliary Frame Reinforcement For Hinges, Add	116.48		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	93.19		
		For Type 304 Stainless Steel Frame, Add	1,409.03		
		For Type 316 Stainless Steel Frame, Add	1,642.00		
		For Baked Enamel Finish, Add	266.63		
		For 18 Gauge Frame, Deduct	-77.66		
		For 14 Gauge Frame, Add	194.14		
		For 12 Gauge Frame, Add	295.09		
		For Clear Aluminum Frames (Three Piece), Add	229.09		
		For Black Aluminum Frames (Three Piece), Add	349.45		
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,018.79	115.09	
		For Auxiliary Frame Reinforcement For Hinges, Add	118.29		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	94.63		
		For Type 304 Stainless Steel Frame, Add	1,430.99		
		For Type 316 Stainless Steel Frame, Add	1,667.57		
		For Baked Enamel Finish, Add	271.11		
		For 18 Gauge Frame, Deduct	-78.86		
		For 14 Gauge Frame, Add	197.15		
		For 12 Gauge Frame, Add	299.67		
		For Clear Aluminum Frames (Three Piece), Add	232.64		
		For Black Aluminum Frames (Three Piece), Add	354.87		
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,084.47	120.85	
		For Auxiliary Frame Reinforcement For Hinges, Add	126.42		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	101.13		
		For Type 304 Stainless Steel Frame, Add	1,529.09		
		For Type 316 Stainless Steel Frame, Add	1,781.92		
		For Baked Enamel Finish, Add	289.09		
		For 18 Gauge Frame, Deduct	-84.28		
		For 14 Gauge Frame, Add	210.70		
		For 12 Gauge Frame, Add	320.26		
		For Clear Aluminum Frames (Three Piece), Add	248.62		
		For Black Aluminum Frames (Three Piece), Add	379.25		
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,095.98	126.61	
		For Auxiliary Frame Reinforcement For Hinges, Add	126.42		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	101.13		
		For Type 304 Stainless Steel Frame, Add	1,529.66		
		For Type 316 Stainless Steel Frame, Add	1,782.50		
		For Baked Enamel Finish, Add	290.81		
		For 18 Gauge Frame, Deduct	-84.28		
		For 14 Gauge Frame, Add	210.70		
		For 12 Gauge Frame, Add	320.26		
		For Clear Aluminum Frames (Three Piece), Add	248.62		
		For Black Aluminum Frames (Three Piece), Add	379.25		
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,137.59	132.35	
		For Auxiliary Frame Reinforcement For Hinges, Add	130.93		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	104.75		
		For Type 304 Stainless Steel Frame, Add	1,584.42		
		For Type 316 Stainless Steel Frame, Add	1,846.28		
		For Baked Enamel Finish, Add	301.57		
		For 18 Gauge Frame, Deduct	-87.29		
		For 14 Gauge Frame, Add	218.22		
		For 12 Gauge Frame, Add	331.69		
		For Clear Aluminum Frames (Three Piece), Add	257.50		
		For Black Aluminum Frames (Three Piece), Add	392.80		
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,179.20	138.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	135.45		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	108.36		
		For Type 304 Stainless Steel Frame, Add	1,639.16		
		For Type 316 Stainless Steel Frame, Add	1,910.05		
		For Baked Enamel Finish, Add	312.33		
		For 18 Gauge Frame, Deduct	-90.30		
		For 14 Gauge Frame, Add	225.74		
		For 12 Gauge Frame, Add	343.13		
		For Clear Aluminum Frames (Three Piece), Add	266.38		
		For Black Aluminum Frames (Three Piece), Add	406.34		
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,190.70	143.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	135.45		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	108.36		
		For Type 304 Stainless Steel Frame, Add	1,639.73		
		For Type 316 Stainless Steel Frame, Add	1,910.62		
		For Baked Enamel Finish, Add	314.05		
		For 18 Gauge Frame, Deduct	-90.30		
		For 14 Gauge Frame, Add	225.74		
		For 12 Gauge Frame, Add	343.13		
		For Clear Aluminum Frames (Three Piece), Add	266.38		
		For Black Aluminum Frames (Three Piece), Add	406.34		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.51	146.74
			For Auxiliary Frame Reinforcement For Hinges, Add	137.70	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	110.16	
			For Type 304 Stainless Steel Frame, Add	1,667.11	
			For Type 316 Stainless Steel Frame, Add	1,942.52	
			For Baked Enamel Finish, Add	319.43	
			For 18 Gauge Frame, Deduct	-91.80	
			For 14 Gauge Frame, Add	229.51	
			For 12 Gauge Frame, Add	348.85	
			For Clear Aluminum Frames (Three Piece), Add	270.82	
			For Black Aluminum Frames (Three Piece), Add	413.11	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,232.31	149.62
			For Auxiliary Frame Reinforcement For Hinges, Add	139.96	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	111.97	
			For Type 304 Stainless Steel Frame, Add	1,694.49	
			For Type 316 Stainless Steel Frame, Add	1,974.41	
			For Baked Enamel Finish, Add	324.81	
			For 18 Gauge Frame, Deduct	-93.31	
			For 14 Gauge Frame, Add	233.27	
			For 12 Gauge Frame, Add	354.57	
			For Clear Aluminum Frames (Three Piece), Add	275.26	
			For Black Aluminum Frames (Three Piece), Add	419.88	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,298.27	152.50
			For Auxiliary Frame Reinforcement For Hinges, Add	148.99	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	119.19	
			For Type 304 Stainless Steel Frame, Add	1,803.14	
			For Type 316 Stainless Steel Frame, Add	2,101.12	
			For Baked Enamel Finish, Add	343.73	
			For 18 Gauge Frame, Deduct	-99.33	
			For 14 Gauge Frame, Add	248.32	
			For 12 Gauge Frame, Add	377.44	
			For Clear Aluminum Frames (Three Piece), Add	293.01	
			For Black Aluminum Frames (Three Piece), Add	446.97	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,364.22	155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	158.02	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	126.42	
			For Type 304 Stainless Steel Frame, Add	1,911.78	
			For Type 316 Stainless Steel Frame, Add	2,227.82	
			For Baked Enamel Finish, Add	362.65	
			For 18 Gauge Frame, Deduct	-105.35	
			For 14 Gauge Frame, Add	263.37	
			For 12 Gauge Frame, Add	400.32	
			For Clear Aluminum Frames (Three Piece), Add	310.77	
			For Black Aluminum Frames (Three Piece), Add	474.06	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	804.72	86.32
			For Auxiliary Frame Reinforcement For Hinges, Add	94.81	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	75.85	
			For Type 304 Stainless Steel Frame, Add	1,146.38	
			For Type 316 Stainless Steel Frame, Add	1,336.00	
			For Baked Enamel Finish, Add	215.52	
			For 18 Gauge Frame, Deduct	-63.21	
			For 14 Gauge Frame, Add	158.02	
			For 12 Gauge Frame, Add	240.19	
			For Clear Aluminum Frames (Three Piece), Add	186.46	
			For Black Aluminum Frames (Three Piece), Add	284.44	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	942.38	94.95
			For Auxiliary Frame Reinforcement For Hinges, Add	112.87	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	90.30	
			For Type 304 Stainless Steel Frame, Add	1,363.96	
			For Type 316 Stainless Steel Frame, Add	1,589.70	
			For Baked Enamel Finish, Add	254.23	
			For 18 Gauge Frame, Deduct	-75.25	
			For 14 Gauge Frame, Add	188.12	
			For 12 Gauge Frame, Add	285.94	
			For Clear Aluminum Frames (Three Piece), Add	221.98	
			For Black Aluminum Frames (Three Piece), Add	338.62	



		Openings	08	08
		Doors and Frames	08 10	
		Metal Frames	08 12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	965.94	100.70
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.74	
		For Type 304 Stainless Steel Frame, Add	1,386.21	
		For Type 316 Stainless Steel Frame, Add	1,615.56	
		For Baked Enamel Finish, Add	259.57	
		For 18 Gauge Frame, Deduct	-76.45	
		For 14 Gauge Frame, Add	191.13	
		For 12 Gauge Frame, Add	290.52	
		For Clear Aluminum Frames (Three Piece), Add	225.53	
		For Black Aluminum Frames (Three Piece), Add	344.03	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	983.20	109.34
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.74	
		For Type 304 Stainless Steel Frame, Add	1,387.07	
		For Type 316 Stainless Steel Frame, Add	1,616.43	
		For Baked Enamel Finish, Add	262.16	
		For 18 Gauge Frame, Deduct	-76.45	
		For 14 Gauge Frame, Add	191.13	
		For 12 Gauge Frame, Add	290.52	
		For Clear Aluminum Frames (Three Piece), Add	225.53	
		For Black Aluminum Frames (Three Piece), Add	344.03	
08 12 13 13-0040	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,000.99	112.22
		For Auxiliary Frame Reinforcement For Hinges, Add	116.48	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	93.19	
		For Type 304 Stainless Steel Frame, Add	1,409.03	
		For Type 316 Stainless Steel Frame, Add	1,642.00	
		For Baked Enamel Finish, Add	266.63	
		For 18 Gauge Frame, Deduct	-77.66	
		For 14 Gauge Frame, Add	194.14	
		For 12 Gauge Frame, Add	295.09	
		For Clear Aluminum Frames (Three Piece), Add	229.09	
		For Black Aluminum Frames (Three Piece), Add	349.45	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,018.79	115.09
		For Auxiliary Frame Reinforcement For Hinges, Add	118.29	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	94.63	
		For Type 304 Stainless Steel Frame, Add	1,430.99	
		For Type 316 Stainless Steel Frame, Add	1,667.57	
		For Baked Enamel Finish, Add	271.11	
		For 18 Gauge Frame, Deduct	-78.86	
		For 14 Gauge Frame, Add	197.15	
		For 12 Gauge Frame, Add	299.67	
		For Clear Aluminum Frames (Three Piece), Add	232.64	
		For Black Aluminum Frames (Three Piece), Add	354.87	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,084.47	120.85
		For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	101.13	
		For Type 304 Stainless Steel Frame, Add	1,529.09	
		For Type 316 Stainless Steel Frame, Add	1,781.92	
		For Baked Enamel Finish, Add	289.09	
		For 18 Gauge Frame, Deduct	-84.28	
		For 14 Gauge Frame, Add	210.70	
		For 12 Gauge Frame, Add	320.26	
		For Clear Aluminum Frames (Three Piece), Add	248.62	
		For Black Aluminum Frames (Three Piece), Add	379.25	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,095.98	126.61
		For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	101.13	
		For Type 304 Stainless Steel Frame, Add	1,529.66	
		For Type 316 Stainless Steel Frame, Add	1,782.50	
		For Baked Enamel Finish, Add	290.81	
		For 18 Gauge Frame, Deduct	-84.28	
		For 14 Gauge Frame, Add	210.70	
		For 12 Gauge Frame, Add	320.26	
		For Clear Aluminum Frames (Three Piece), Add	248.62	
		For Black Aluminum Frames (Three Piece), Add	379.25	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,137.58	132.35
		For Auxiliary Frame Reinforcement For Hinges, Add	130.93	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	104.74	
		For Type 304 Stainless Steel Frame, Add	1,584.40	
		For Type 316 Stainless Steel Frame, Add	1,846.26	
		For Baked Enamel Finish, Add	301.57	
		For 18 Gauge Frame, Deduct	-87.29	
		For 14 Gauge Frame, Add	218.22	
		For 12 Gauge Frame, Add	331.69	
		For Clear Aluminum Frames (Three Piece), Add	257.50	
		For Black Aluminum Frames (Three Piece), Add	392.79	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,179.20	138.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	135.45		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	108.36		
		For Type 304 Stainless Steel Frame, Add	1,639.16		
		For Type 316 Stainless Steel Frame, Add	1,910.05		
		For Baked Enamel Finish, Add	312.33		
		For 18 Gauge Frame, Deduct	-90.30		
		For 14 Gauge Frame, Add	225.74		
		For 12 Gauge Frame, Add	343.13		
		For Clear Aluminum Frames (Three Piece), Add	266.38		
		For Black Aluminum Frames (Three Piece), Add	406.34		
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,190.70	143.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	135.45		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	108.36		
		For Type 304 Stainless Steel Frame, Add	1,639.73		
		For Type 316 Stainless Steel Frame, Add	1,910.62		
		For Baked Enamel Finish, Add	314.05		
		For 18 Gauge Frame, Deduct	-90.30		
		For 14 Gauge Frame, Add	225.74		
		For 12 Gauge Frame, Add	343.13		
		For Clear Aluminum Frames (Three Piece), Add	266.38		
		For Black Aluminum Frames (Three Piece), Add	406.34		
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.51	146.74	
		For Auxiliary Frame Reinforcement For Hinges, Add	137.70		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	110.16		
		For Type 304 Stainless Steel Frame, Add	1,667.11		
		For Type 316 Stainless Steel Frame, Add	1,942.52		
		For Baked Enamel Finish, Add	319.43		
		For 18 Gauge Frame, Deduct	-91.80		
		For 14 Gauge Frame, Add	229.51		
		For 12 Gauge Frame, Add	348.85		
		For Clear Aluminum Frames (Three Piece), Add	270.82		
		For Black Aluminum Frames (Three Piece), Add	413.11		
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,232.31	149.62	
		For Auxiliary Frame Reinforcement For Hinges, Add	139.96		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	111.97		
		For Type 304 Stainless Steel Frame, Add	1,694.49		
		For Type 316 Stainless Steel Frame, Add	1,974.41		
		For Baked Enamel Finish, Add	324.81		
		For 18 Gauge Frame, Deduct	-93.31		
		For 14 Gauge Frame, Add	233.27		
		For 12 Gauge Frame, Add	354.57		
		For Clear Aluminum Frames (Three Piece), Add	275.26		
		For Black Aluminum Frames (Three Piece), Add	419.88		
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,298.27	152.50	
		For Auxiliary Frame Reinforcement For Hinges, Add	148.99		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	119.19		
		For Type 304 Stainless Steel Frame, Add	1,803.14		
		For Type 316 Stainless Steel Frame, Add	2,101.12		
		For Baked Enamel Finish, Add	343.73		
		For 18 Gauge Frame, Deduct	-99.33		
		For 14 Gauge Frame, Add	248.32		
		For 12 Gauge Frame, Add	377.44		
		For Clear Aluminum Frames (Three Piece), Add	293.01		
		For Black Aluminum Frames (Three Piece), Add	446.97		
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,364.22	155.38	
		For Auxiliary Frame Reinforcement For Hinges, Add	158.02		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	126.42		
		For Type 304 Stainless Steel Frame, Add	1,911.78		
		For Type 316 Stainless Steel Frame, Add	2,227.82		
		For Baked Enamel Finish, Add	362.65		
		For 18 Gauge Frame, Deduct	-105.35		
		For 14 Gauge Frame, Add	263.37		
		For 12 Gauge Frame, Add	400.32		
		For Clear Aluminum Frames (Three Piece), Add	310.77		
		For Black Aluminum Frames (Three Piece), Add	474.06		

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)



Openings			08
Doors and Frames			08 10
Metal Frames			08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	874.95	86.32	
		For Auxiliary Frame Reinforcement For Hinges, Add	105.35		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	84.28		
		For Type 304 Stainless Steel Frame, Add	1,272.79		
		For Type 316 Stainless Steel Frame, Add	1,483.48		
		For Baked Enamel Finish, Add	236.59		
		For 18 Gauge Frame, Deduct	-70.23		
		For 14 Gauge Frame, Add	175.58		
		For 12 Gauge Frame, Add	266.88		
		For Clear Aluminum Frames (Three Piece), Add	207.18		
		For Black Aluminum Frames (Three Piece), Add	316.04		
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,025.99	94.95	
		For Auxiliary Frame Reinforcement For Hinges, Add	125.41		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	100.33		
		For Type 304 Stainless Steel Frame, Add	1,514.46		
		For Type 316 Stainless Steel Frame, Add	1,765.28		
		For Baked Enamel Finish, Add	279.31		
		For 18 Gauge Frame, Deduct	-83.61		
		For 14 Gauge Frame, Add	209.02		
		For 12 Gauge Frame, Add	317.71		
		For Clear Aluminum Frames (Three Piece), Add	246.65		
		For Black Aluminum Frames (Three Piece), Add	376.24		
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,050.88	100.70	
		For Auxiliary Frame Reinforcement For Hinges, Add	127.42		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	101.94		
		For Type 304 Stainless Steel Frame, Add	1,539.10		
		For Type 316 Stainless Steel Frame, Add	1,793.94		
		For Baked Enamel Finish, Add	285.05		
		For 18 Gauge Frame, Deduct	-84.95		
		For 14 Gauge Frame, Add	212.37		
		For 12 Gauge Frame, Add	322.79		
		For Clear Aluminum Frames (Three Piece), Add	250.59		
		For Black Aluminum Frames (Three Piece), Add	382.26		
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,068.14	109.34	
		For Auxiliary Frame Reinforcement For Hinges, Add	127.42		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	101.94		
		For Type 304 Stainless Steel Frame, Add	1,539.96		
		For Type 316 Stainless Steel Frame, Add	1,794.80		
		For Baked Enamel Finish, Add	287.64		
		For 18 Gauge Frame, Deduct	-84.95		
		For 14 Gauge Frame, Add	212.37		
		For 12 Gauge Frame, Add	322.79		
		For Clear Aluminum Frames (Three Piece), Add	250.59		
		For Black Aluminum Frames (Three Piece), Add	382.26		
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,087.27	112.22	
		For Auxiliary Frame Reinforcement For Hinges, Add	129.43		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	103.54		
		For Type 304 Stainless Steel Frame, Add	1,564.33		
		For Type 316 Stainless Steel Frame, Add	1,823.19		
		For Baked Enamel Finish, Add	292.52		
		For 18 Gauge Frame, Deduct	-86.28		
		For 14 Gauge Frame, Add	215.71		
		For 12 Gauge Frame, Add	327.88		
		For Clear Aluminum Frames (Three Piece), Add	254.54		
		For Black Aluminum Frames (Three Piece), Add	388.28		
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,106.41	115.09	
		For Auxiliary Frame Reinforcement For Hinges, Add	131.43		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	105.15		
		For Type 304 Stainless Steel Frame, Add	1,588.71		
		For Type 316 Stainless Steel Frame, Add	1,851.57		
		For Baked Enamel Finish, Add	297.39		
		For 18 Gauge Frame, Deduct	-87.62		
		For 14 Gauge Frame, Add	219.06		
		For 12 Gauge Frame, Add	332.96		
		For Clear Aluminum Frames (Three Piece), Add	258.48		
		For Black Aluminum Frames (Three Piece), Add	394.30		
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,178.11	120.85	
		For Auxiliary Frame Reinforcement For Hinges, Add	140.46		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	112.37		
		For Type 304 Stainless Steel Frame, Add	1,697.64		
		For Type 316 Stainless Steel Frame, Add	1,978.57		
		For Baked Enamel Finish, Add	317.18		
		For 18 Gauge Frame, Deduct	-93.64		
		For 14 Gauge Frame, Add	234.11		
		For 12 Gauge Frame, Add	355.84		
		For Clear Aluminum Frames (Three Piece), Add	276.24		
		For Black Aluminum Frames (Three Piece), Add	421.39		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,189.62	126.61	
		For Auxiliary Frame Reinforcement For Hinges, Add	140.46		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	112.37		
		For Type 304 Stainless Steel Frame, Add	1,698.22		
		For Type 316 Stainless Steel Frame, Add	1,979.14		
		For Baked Enamel Finish, Add	318.91		
		For 18 Gauge Frame, Deduct	-93.64		
		For 14 Gauge Frame, Add	234.11		
		For 12 Gauge Frame, Add	355.84		
		For Clear Aluminum Frames (Three Piece), Add	276.24		
		For Black Aluminum Frames (Three Piece), Add	421.39		
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,234.57	132.35	
		For Auxiliary Frame Reinforcement For Hinges, Add	145.48		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	116.38		
		For Type 304 Stainless Steel Frame, Add	1,758.98		
		For Type 316 Stainless Steel Frame, Add	2,049.94		
		For Baked Enamel Finish, Add	330.66		
		For 18 Gauge Frame, Deduct	-96.99		
		For 14 Gauge Frame, Add	242.47		
		For 12 Gauge Frame, Add	368.55		
		For Clear Aluminum Frames (Three Piece), Add	286.11		
		For Black Aluminum Frames (Three Piece), Add	436.44		
08 12 13 13-0061	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,279.53	138.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	150.50		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	120.40		
		For Type 304 Stainless Steel Frame, Add	1,819.75		
		For Type 316 Stainless Steel Frame, Add	2,120.74		
		For Baked Enamel Finish, Add	342.42		
		For 18 Gauge Frame, Deduct	-100.33		
		For 14 Gauge Frame, Add	250.83		
		For 12 Gauge Frame, Add	381.25		
		For Clear Aluminum Frames (Three Piece), Add	295.97		
		For Black Aluminum Frames (Three Piece), Add	451.49		
08 12 13 13-0062	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,291.03	143.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	150.50		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	120.40		
		For Type 304 Stainless Steel Frame, Add	1,820.33		
		For Type 316 Stainless Steel Frame, Add	2,121.32		
		For Baked Enamel Finish, Add	344.15		
		For 18 Gauge Frame, Deduct	-100.33		
		For 14 Gauge Frame, Add	250.83		
		For 12 Gauge Frame, Add	381.25		
		For Clear Aluminum Frames (Three Piece), Add	295.97		
		For Black Aluminum Frames (Three Piece), Add	451.49		
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,313.52	146.74	
		For Auxiliary Frame Reinforcement For Hinges, Add	153.00		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	122.40		
		For Type 304 Stainless Steel Frame, Add	1,850.73		
		For Type 316 Stainless Steel Frame, Add	2,156.74		
		For Baked Enamel Finish, Add	350.03		
		For 18 Gauge Frame, Deduct	-102.00		
		For 14 Gauge Frame, Add	255.01		
		For 12 Gauge Frame, Add	387.61		
		For Clear Aluminum Frames (Three Piece), Add	300.91		
		For Black Aluminum Frames (Three Piece), Add	459.01		
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,335.99	149.62	
		For Auxiliary Frame Reinforcement For Hinges, Add	155.51		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	124.41		
		For Type 304 Stainless Steel Frame, Add	1,881.11		
		For Type 316 Stainless Steel Frame, Add	2,192.14		
		For Baked Enamel Finish, Add	355.91		
		For 18 Gauge Frame, Deduct	-103.68		
		For 14 Gauge Frame, Add	259.19		
		For 12 Gauge Frame, Add	393.97		
		For Clear Aluminum Frames (Three Piece), Add	305.84		
		For Black Aluminum Frames (Three Piece), Add	466.54		
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,408.64	152.50	
		For Auxiliary Frame Reinforcement For Hinges, Add	165.55		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	132.44		
		For Type 304 Stainless Steel Frame, Add	2,001.80		
		For Type 316 Stainless Steel Frame, Add	2,332.89		
		For Baked Enamel Finish, Add	376.84		
		For 18 Gauge Frame, Deduct	-110.36		
		For 14 Gauge Frame, Add	275.91		
		For 12 Gauge Frame, Add	419.38		
		For Clear Aluminum Frames (Three Piece), Add	325.57		
		For Black Aluminum Frames (Three Piece), Add	496.64		



		Openings	08	08
		Doors and Frames	08 10	
		Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0066	EA		8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,481.27	155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	175.58	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	140.46	
			For Type 304 Stainless Steel Frame, Add	2,122.47	
			For Type 316 Stainless Steel Frame, Add	2,473.63	
			For Baked Enamel Finish, Add	397.77	
			For 18 Gauge Frame, Deduct	-117.05	
			For 14 Gauge Frame, Add	292.63	
			For 12 Gauge Frame, Add	444.80	
			For Clear Aluminum Frames (Three Piece), Add	345.30	
			For Black Aluminum Frames (Three Piece), Add	526.73	
08 12 13 13-0067			6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068			6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069	EA		2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,173.30	86.32
			For Auxiliary Frame Reinforcement For Hinges, Add	150.10	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	120.08	
			For Type 304 Stainless Steel Frame, Add	1,809.82	
			For Type 316 Stainless Steel Frame, Add	2,110.02	
			For Baked Enamel Finish, Add	326.09	
			For 18 Gauge Frame, Deduct	-100.07	
			For 14 Gauge Frame, Add	250.17	
			For 12 Gauge Frame, Add	380.25	
			For Clear Aluminum Frames (Three Piece), Add	295.19	
			For Black Aluminum Frames (Three Piece), Add	450.30	
08 12 13 13-0070	EA		2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,381.16	94.95
			For Auxiliary Frame Reinforcement For Hinges, Add	178.69	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	142.95	
			For Type 304 Stainless Steel Frame, Add	2,153.76	
			For Type 316 Stainless Steel Frame, Add	2,511.14	
			For Baked Enamel Finish, Add	385.86	
			For 18 Gauge Frame, Deduct	-119.13	
			For 14 Gauge Frame, Add	297.82	
			For 12 Gauge Frame, Add	452.68	
			For Clear Aluminum Frames (Three Piece), Add	351.42	
			For Black Aluminum Frames (Three Piece), Add	536.07	
08 12 13 13-0071	EA		2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,411.74	100.70
			For Auxiliary Frame Reinforcement For Hinges, Add	181.55	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	145.24	
			For Type 304 Stainless Steel Frame, Add	2,188.65	
			For Type 316 Stainless Steel Frame, Add	2,551.74	
			For Baked Enamel Finish, Add	393.31	
			For 18 Gauge Frame, Deduct	-121.03	
			For 14 Gauge Frame, Add	302.58	
			For 12 Gauge Frame, Add	459.92	
			For Clear Aluminum Frames (Three Piece), Add	357.04	
			For Black Aluminum Frames (Three Piece), Add	544.64	
08 12 13 13-0072	EA		2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,429.00	109.34
			For Auxiliary Frame Reinforcement For Hinges, Add	181.55	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	145.24	
			For Type 304 Stainless Steel Frame, Add	2,189.51	
			For Type 316 Stainless Steel Frame, Add	2,552.61	
			For Baked Enamel Finish, Add	395.90	
			For 18 Gauge Frame, Deduct	-121.03	
			For 14 Gauge Frame, Add	302.58	
			For 12 Gauge Frame, Add	459.92	
			For Clear Aluminum Frames (Three Piece), Add	357.04	
			For Black Aluminum Frames (Three Piece), Add	544.64	
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,453.81	112.22
			For Auxiliary Frame Reinforcement For Hinges, Add	184.41	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	147.53	
			For Type 304 Stainless Steel Frame, Add	2,224.11	
			For Type 316 Stainless Steel Frame, Add	2,592.92	
			For Baked Enamel Finish, Add	402.48	
			For 18 Gauge Frame, Deduct	-122.94	
			For 14 Gauge Frame, Add	307.35	
			For 12 Gauge Frame, Add	467.16	
			For Clear Aluminum Frames (Three Piece), Add	362.67	
			For Black Aluminum Frames (Three Piece), Add	553.22	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,478.63	115.09	
		For Auxiliary Frame Reinforcement For Hinges, Add	187.27		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	149.81		
		For Type 304 Stainless Steel Frame, Add	2,258.70		
		For Type 316 Stainless Steel Frame, Add	2,633.23		
		For Baked Enamel Finish, Add	409.06		
		For 18 Gauge Frame, Deduct	-124.84		
		For 14 Gauge Frame, Add	312.11		
		For 12 Gauge Frame, Add	474.41		
		For Clear Aluminum Frames (Three Piece), Add	368.29		
		For Black Aluminum Frames (Three Piece), Add	561.80		
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,575.90	120.85	
		For Auxiliary Frame Reinforcement For Hinges, Add	200.13		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	160.11		
		For Type 304 Stainless Steel Frame, Add	2,413.66		
		For Type 316 Stainless Steel Frame, Add	2,813.93		
		For Baked Enamel Finish, Add	436.52		
		For 18 Gauge Frame, Deduct	-133.42		
		For 14 Gauge Frame, Add	333.55		
		For 12 Gauge Frame, Add	507.00		
		For Clear Aluminum Frames (Three Piece), Add	393.59		
		For Black Aluminum Frames (Three Piece), Add	600.39		
08 12 13 13-0076	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,587.41	126.61	
		For Auxiliary Frame Reinforcement For Hinges, Add	200.13		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	160.11		
		For Type 304 Stainless Steel Frame, Add	2,414.24		
		For Type 316 Stainless Steel Frame, Add	2,814.50		
		For Baked Enamel Finish, Add	438.24		
		For 18 Gauge Frame, Deduct	-133.42		
		For 14 Gauge Frame, Add	333.55		
		For 12 Gauge Frame, Add	507.00		
		For Clear Aluminum Frames (Three Piece), Add	393.59		
		For Black Aluminum Frames (Three Piece), Add	600.39		
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,646.57	132.35	
		For Auxiliary Frame Reinforcement For Hinges, Add	207.28		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	165.82		
		For Type 304 Stainless Steel Frame, Add	2,500.58		
		For Type 316 Stainless Steel Frame, Add	2,915.14		
		For Baked Enamel Finish, Add	454.26		
		For 18 Gauge Frame, Deduct	-138.19		
		For 14 Gauge Frame, Add	345.47		
		For 12 Gauge Frame, Add	525.11		
		For Clear Aluminum Frames (Three Piece), Add	407.65		
		For Black Aluminum Frames (Three Piece), Add	621.84		
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,705.74	138.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	214.43		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	171.54		
		For Type 304 Stainless Steel Frame, Add	2,586.93		
		For Type 316 Stainless Steel Frame, Add	3,015.78		
		For Baked Enamel Finish, Add	470.29		
		For 18 Gauge Frame, Deduct	-142.95		
		For 14 Gauge Frame, Add	357.38		
		For 12 Gauge Frame, Add	543.21		
		For Clear Aluminum Frames (Three Piece), Add	421.71		
		For Black Aluminum Frames (Three Piece), Add	643.28		
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,717.24	143.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	214.43		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	171.54		
		For Type 304 Stainless Steel Frame, Add	2,587.50		
		For Type 316 Stainless Steel Frame, Add	3,016.36		
		For Baked Enamel Finish, Add	472.01		
		For 18 Gauge Frame, Deduct	-142.95		
		For 14 Gauge Frame, Add	357.38		
		For 12 Gauge Frame, Add	543.21		
		For Clear Aluminum Frames (Three Piece), Add	421.71		
		For Black Aluminum Frames (Three Piece), Add	643.28		
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,746.82	146.74	
		For Auxiliary Frame Reinforcement For Hinges, Add	218.00		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	174.40		
		For Type 304 Stainless Steel Frame, Add	2,630.67		
		For Type 316 Stainless Steel Frame, Add	3,066.67		
		For Baked Enamel Finish, Add	480.02		
		For 18 Gauge Frame, Deduct	-145.33		
		For 14 Gauge Frame, Add	363.33		
		For 12 Gauge Frame, Add	552.27		
		For Clear Aluminum Frames (Three Piece), Add	428.73		
		For Black Aluminum Frames (Three Piece), Add	654.00		



Openings			08	08
Doors and Frames			08 10	
Metal Frames			08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,776.40	149.62
			For Auxiliary Frame Reinforcement For Hinges, Add	221.57	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	177.26	
			For Type 304 Stainless Steel Frame, Add	2,673.85	
			For Type 316 Stainless Steel Frame, Add	3,117.00	
			For Baked Enamel Finish, Add	488.03	
			For 18 Gauge Frame, Deduct	-147.72	
			For 14 Gauge Frame, Add	369.29	
			For 12 Gauge Frame, Add	561.32	
			For Clear Aluminum Frames (Three Piece), Add	435.76	
			For Black Aluminum Frames (Three Piece), Add	664.72	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,877.45	152.50
			For Auxiliary Frame Reinforcement For Hinges, Add	235.87	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	188.69	
			For Type 304 Stainless Steel Frame, Add	2,845.66	
			For Type 316 Stainless Steel Frame, Add	3,317.40	
			For Baked Enamel Finish, Add	517.49	
			For 18 Gauge Frame, Deduct	-157.25	
			For 14 Gauge Frame, Add	393.11	
			For 12 Gauge Frame, Add	597.53	
			For Clear Aluminum Frames (Three Piece), Add	463.87	
			For Black Aluminum Frames (Three Piece), Add	707.60	
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,978.51	155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,017.51	
			For Type 316 Stainless Steel Frame, Add	3,517.83	
			For Baked Enamel Finish, Add	546.94	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
			For Clear Aluminum Frames (Three Piece), Add	491.99	
			For Black Aluminum Frames (Three Piece), Add	750.49	
08 12 13 13-0084			>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,284.48	86.32
			For Auxiliary Frame Reinforcement For Hinges, Add	166.78	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	133.42	
			For Type 304 Stainless Steel Frame, Add	2,009.94	
			For Type 316 Stainless Steel Frame, Add	2,343.50	
			For Baked Enamel Finish, Add	359.45	
			For 18 Gauge Frame, Deduct	-111.18	
			For 14 Gauge Frame, Add	277.96	
			For 12 Gauge Frame, Add	422.50	
			For Clear Aluminum Frames (Three Piece), Add	327.99	
			For Black Aluminum Frames (Three Piece), Add	500.33	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,513.52	94.95
			For Auxiliary Frame Reinforcement For Hinges, Add	198.54	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	158.83	
			For Type 304 Stainless Steel Frame, Add	2,392.01	
			For Type 316 Stainless Steel Frame, Add	2,789.10	
			For Baked Enamel Finish, Add	425.57	
			For 18 Gauge Frame, Deduct	-132.36	
			For 14 Gauge Frame, Add	330.91	
			For 12 Gauge Frame, Add	502.98	
			For Clear Aluminum Frames (Three Piece), Add	390.47	
			For Black Aluminum Frames (Three Piece), Add	595.63	
08 12 13 13-0087	EA		2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,546.22	100.70
			For Auxiliary Frame Reinforcement For Hinges, Add	201.72	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	161.38	
			For Type 304 Stainless Steel Frame, Add	2,430.71	
			For Type 316 Stainless Steel Frame, Add	2,834.15	
			For Baked Enamel Finish, Add	433.65	
			For 18 Gauge Frame, Deduct	-134.48	
			For 14 Gauge Frame, Add	336.20	
			For 12 Gauge Frame, Add	511.02	
			For Clear Aluminum Frames (Three Piece), Add	396.72	
			For Black Aluminum Frames (Three Piece), Add	605.16	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,563.48	109.34	
		For Auxiliary Frame Reinforcement For Hinges, Add	201.72		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	161.38		
		For Type 304 Stainless Steel Frame, Add	2,431.57		
		For Type 316 Stainless Steel Frame, Add	2,835.01		
		For Baked Enamel Finish, Add	436.24		
		For 18 Gauge Frame, Deduct	-134.48		
		For 14 Gauge Frame, Add	336.20		
		For 12 Gauge Frame, Add	511.02		
		For Clear Aluminum Frames (Three Piece), Add	396.72		
		For Black Aluminum Frames (Three Piece), Add	605.16		
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,590.40	112.22	
		For Auxiliary Frame Reinforcement For Hinges, Add	204.90		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	163.92		
		For Type 304 Stainless Steel Frame, Add	2,469.97		
		For Type 316 Stainless Steel Frame, Add	2,879.76		
		For Baked Enamel Finish, Add	443.46		
		For 18 Gauge Frame, Deduct	-136.60		
		For 14 Gauge Frame, Add	341.49		
		For 12 Gauge Frame, Add	519.07		
		For Clear Aluminum Frames (Three Piece), Add	402.96		
		For Black Aluminum Frames (Three Piece), Add	614.69		
08 12 13 13-0090	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,617.34	115.09	
		For Auxiliary Frame Reinforcement For Hinges, Add	208.07		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	166.46		
		For Type 304 Stainless Steel Frame, Add	2,508.38		
		For Type 316 Stainless Steel Frame, Add	2,924.52		
		For Baked Enamel Finish, Add	450.67		
		For 18 Gauge Frame, Deduct	-138.72		
		For 14 Gauge Frame, Add	346.79		
		For 12 Gauge Frame, Add	527.12		
		For Clear Aluminum Frames (Three Piece), Add	409.21		
		For Black Aluminum Frames (Three Piece), Add	624.22		
08 12 13 13-0091	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,724.14	120.85	
		For Auxiliary Frame Reinforcement For Hinges, Add	222.37		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	177.89		
		For Type 304 Stainless Steel Frame, Add	2,680.49		
		For Type 316 Stainless Steel Frame, Add	3,125.23		
		For Baked Enamel Finish, Add	480.99		
		For 18 Gauge Frame, Deduct	-148.25		
		For 14 Gauge Frame, Add	370.61		
		For 12 Gauge Frame, Add	563.33		
		For Clear Aluminum Frames (Three Piece), Add	437.32		
		For Black Aluminum Frames (Three Piece), Add	667.10		
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,735.65	126.61	
		For Auxiliary Frame Reinforcement For Hinges, Add	222.37		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	177.89		
		For Type 304 Stainless Steel Frame, Add	2,681.07		
		For Type 316 Stainless Steel Frame, Add	3,125.81		
		For Baked Enamel Finish, Add	482.72		
		For 18 Gauge Frame, Deduct	-148.25		
		For 14 Gauge Frame, Add	370.61		
		For 12 Gauge Frame, Add	563.33		
		For Clear Aluminum Frames (Three Piece), Add	437.32		
		For Black Aluminum Frames (Three Piece), Add	667.10		
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,800.11	132.35	
		For Auxiliary Frame Reinforcement For Hinges, Add	230.31		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	184.25		
		For Type 304 Stainless Steel Frame, Add	2,776.96		
		For Type 316 Stainless Steel Frame, Add	3,237.58		
		For Baked Enamel Finish, Add	500.33		
		For 18 Gauge Frame, Deduct	-153.54		
		For 14 Gauge Frame, Add	383.85		
		For 12 Gauge Frame, Add	583.45		
		For Clear Aluminum Frames (Three Piece), Add	452.94		
		For Black Aluminum Frames (Three Piece), Add	690.93		
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,864.57	138.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	238.25		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	190.60		
		For Type 304 Stainless Steel Frame, Add	2,872.82		
		For Type 316 Stainless Steel Frame, Add	3,349.33		
		For Baked Enamel Finish, Add	517.94		
		For 18 Gauge Frame, Deduct	-158.83		
		For 14 Gauge Frame, Add	397.09		
		For 12 Gauge Frame, Add	603.57		
		For Clear Aluminum Frames (Three Piece), Add	468.56		
		For Black Aluminum Frames (Three Piece), Add	714.75		



Openings		08	08
Doors and Frames		08 10	
Metal Frames		08 12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 12 13 13-0095	EA 5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,876.07		143.86
	For Auxiliary Frame Reinforcement For Hinges, Add	238.25		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	190.60		
	For Type 304 Stainless Steel Frame, Add	2,873.40		
	For Type 316 Stainless Steel Frame, Add	3,349.90		
	For Baked Enamel Finish, Add	519.66		
	For 18 Gauge Frame, Deduct	-158.83		
	For 14 Gauge Frame, Add	397.09		
	For 12 Gauge Frame, Add	603.57		
	For Clear Aluminum Frames (Three Piece), Add	468.56		
	For Black Aluminum Frames (Three Piece), Add	714.75		
08 12 13 13-0096	EA 5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,908.30		146.74
	For Auxiliary Frame Reinforcement For Hinges, Add	242.22		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	193.78		
	For Type 304 Stainless Steel Frame, Add	2,921.33		
	For Type 316 Stainless Steel Frame, Add	3,405.78		
	For Baked Enamel Finish, Add	528.47		
	For 18 Gauge Frame, Deduct	-161.48		
	For 14 Gauge Frame, Add	403.70		
	For 12 Gauge Frame, Add	613.63		
	For Clear Aluminum Frames (Three Piece), Add	476.37		
	For Black Aluminum Frames (Three Piece), Add	726.66		
08 12 13 13-0097	EA 6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,940.53		149.62
	For Auxiliary Frame Reinforcement For Hinges, Add	246.19		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	196.95		
	For Type 304 Stainless Steel Frame, Add	2,969.28		
	For Type 316 Stainless Steel Frame, Add	3,461.67		
	For Baked Enamel Finish, Add	537.27		
	For 18 Gauge Frame, Deduct	-164.13		
	For 14 Gauge Frame, Add	410.32		
	For 12 Gauge Frame, Add	623.69		
	For Clear Aluminum Frames (Three Piece), Add	484.18		
	For Black Aluminum Frames (Three Piece), Add	738.58		
08 12 13 13-0098	EA 7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,052.16		152.50
	For Auxiliary Frame Reinforcement For Hinges, Add	262.07		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	209.66		
	For Type 304 Stainless Steel Frame, Add	3,160.14		
	For Type 316 Stainless Steel Frame, Add	3,684.29		
	For Baked Enamel Finish, Add	569.90		
	For 18 Gauge Frame, Deduct	-174.72		
	For 14 Gauge Frame, Add	436.79		
	For 12 Gauge Frame, Add	663.92		
	For Clear Aluminum Frames (Three Piece), Add	515.41		
	For Black Aluminum Frames (Three Piece), Add	786.22		
08 12 13 13-0099	EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,163.81		155.38
	For Auxiliary Frame Reinforcement For Hinges, Add	277.96		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	222.37		
	For Type 304 Stainless Steel Frame, Add	3,351.05		
	For Type 316 Stainless Steel Frame, Add	3,906.96		
	For Baked Enamel Finish, Add	602.53		
	For 18 Gauge Frame, Deduct	-185.31		
	For 14 Gauge Frame, Add	463.27		
	For 12 Gauge Frame, Add	704.16		
	For Clear Aluminum Frames (Three Piece), Add	546.65		
	For Black Aluminum Frames (Three Piece), Add	833.88		
08 12 13 13-0100	6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)			
	Note: For non-rated or fire rated frame assemblies			
08 12 13 13-0101	6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)			
08 12 13 13-0102	EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,248.35		86.32
	For Auxiliary Frame Reinforcement For Hinges, Add	161.36		
	For Welded Frames, Add	331.63		
	For Galvanized Frames, Add	129.09		
	For Type 304 Stainless Steel Frame, Add	1,944.91		
	For Type 316 Stainless Steel Frame, Add	2,267.62		
	For Baked Enamel Finish, Add	348.61		
	For 18 Gauge Frame, Deduct	-107.57		
	For 14 Gauge Frame, Add	268.93		
	For 12 Gauge Frame, Add	408.77		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,470.50		94.95
		For Auxiliary Frame Reinforcement For Hinges, Add	192.09		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	153.67		
		For Type 304 Stainless Steel Frame, Add	2,314.58		
		For Type 316 Stainless Steel Frame, Add	2,698.76		
		For Baked Enamel Finish, Add	412.67		
		For 18 Gauge Frame, Deduct	-128.06		
		For 14 Gauge Frame, Add	320.15		
		For 12 Gauge Frame, Add	486.63		
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,502.51		100.70
		For Auxiliary Frame Reinforcement For Hinges, Add	195.16		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	156.13		
		For Type 304 Stainless Steel Frame, Add	2,352.03		
		For Type 316 Stainless Steel Frame, Add	2,742.36		
		For Baked Enamel Finish, Add	420.54		
		For 18 Gauge Frame, Deduct	-130.11		
		For 14 Gauge Frame, Add	325.27		
		For 12 Gauge Frame, Add	494.41		
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,519.77		109.34
		For Auxiliary Frame Reinforcement For Hinges, Add	195.16		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	156.13		
		For Type 304 Stainless Steel Frame, Add	2,352.90		
		For Type 316 Stainless Steel Frame, Add	2,743.22		
		For Baked Enamel Finish, Add	423.13		
		For 18 Gauge Frame, Deduct	-130.11		
		For 14 Gauge Frame, Add	325.27		
		For 12 Gauge Frame, Add	494.41		
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,546.01		112.22
		For Auxiliary Frame Reinforcement For Hinges, Add	198.24		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	158.59		
		For Type 304 Stainless Steel Frame, Add	2,390.07		
		For Type 316 Stainless Steel Frame, Add	2,786.54		
		For Baked Enamel Finish, Add	430.14		
		For 18 Gauge Frame, Deduct	-132.16		
		For 14 Gauge Frame, Add	330.40		
		For 12 Gauge Frame, Add	502.20		
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,572.26		115.09
		For Auxiliary Frame Reinforcement For Hinges, Add	201.31		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	161.05		
		For Type 304 Stainless Steel Frame, Add	2,427.24		
		For Type 316 Stainless Steel Frame, Add	2,829.86		
		For Baked Enamel Finish, Add	437.15		
		For 18 Gauge Frame, Deduct	-134.21		
		For 14 Gauge Frame, Add	335.52		
		For 12 Gauge Frame, Add	509.99		
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,675.96		120.85
		For Auxiliary Frame Reinforcement For Hinges, Add	215.14		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	172.11		
		For Type 304 Stainless Steel Frame, Add	2,593.77		
		For Type 316 Stainless Steel Frame, Add	3,024.05		
		For Baked Enamel Finish, Add	466.53		
		For 18 Gauge Frame, Deduct	-143.43		
		For 14 Gauge Frame, Add	358.57		
		For 12 Gauge Frame, Add	545.02		
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,687.47		126.61
		For Auxiliary Frame Reinforcement For Hinges, Add	215.14		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	172.11		
		For Type 304 Stainless Steel Frame, Add	2,594.35		
		For Type 316 Stainless Steel Frame, Add	3,024.63		
		For Baked Enamel Finish, Add	468.26		
		For 18 Gauge Frame, Deduct	-143.43		
		For 14 Gauge Frame, Add	358.57		
		For 12 Gauge Frame, Add	545.02		
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,750.21		132.35
		For Auxiliary Frame Reinforcement For Hinges, Add	222.83		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	178.26		
		For Type 304 Stainless Steel Frame, Add	2,687.14		
		For Type 316 Stainless Steel Frame, Add	3,132.79		
		For Baked Enamel Finish, Add	485.36		
		For 18 Gauge Frame, Deduct	-148.55		
		For 14 Gauge Frame, Add	371.38		
		For 12 Gauge Frame, Add	564.49		



		Openings	08
		Doors and Frames	08 10
		Metal Frames	08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,812.95		138.11
			For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	184.41	
			For Type 304 Stainless Steel Frame, Add	2,779.91	
			For Type 316 Stainless Steel Frame, Add	3,240.92	
			For Baked Enamel Finish, Add	502.45	
			For 18 Gauge Frame, Deduct	-153.67	
			For 14 Gauge Frame, Add	384.18	
			For 12 Gauge Frame, Add	583.95	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,824.45		143.86
			For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	184.41	
			For Type 304 Stainless Steel Frame, Add	2,780.48	
			For Type 316 Stainless Steel Frame, Add	3,241.50	
			For Baked Enamel Finish, Add	504.18	
			For 18 Gauge Frame, Deduct	-153.67	
			For 14 Gauge Frame, Add	384.18	
			For 12 Gauge Frame, Add	583.95	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,855.82		146.74
			For Auxiliary Frame Reinforcement For Hinges, Add	234.35	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	187.48	
			For Type 304 Stainless Steel Frame, Add	2,826.87	
			For Type 316 Stainless Steel Frame, Add	3,295.57	
			For Baked Enamel Finish, Add	512.72	
			For 18 Gauge Frame, Deduct	-156.23	
			For 14 Gauge Frame, Add	390.58	
			For 12 Gauge Frame, Add	593.69	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,887.18		149.62
			For Auxiliary Frame Reinforcement For Hinges, Add	238.19	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	190.55	
			For Type 304 Stainless Steel Frame, Add	2,873.25	
			For Type 316 Stainless Steel Frame, Add	3,349.64	
			For Baked Enamel Finish, Add	521.27	
			For 18 Gauge Frame, Deduct	-158.79	
			For 14 Gauge Frame, Add	396.99	
			For 12 Gauge Frame, Add	603.42	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,995.38		152.50
			For Auxiliary Frame Reinforcement For Hinges, Add	253.56	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	202.85	
			For Type 304 Stainless Steel Frame, Add	3,057.93	
			For Type 316 Stainless Steel Frame, Add	3,565.05	
			For Baked Enamel Finish, Add	552.86	
			For 18 Gauge Frame, Deduct	-169.04	
			For 14 Gauge Frame, Add	422.60	
			For 12 Gauge Frame, Add	642.34	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 2,103.59		155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	268.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	215.14	
			For Type 304 Stainless Steel Frame, Add	3,242.65	
			For Type 316 Stainless Steel Frame, Add	3,780.50	
			For Baked Enamel Finish, Add	584.46	
			For 18 Gauge Frame, Deduct	-179.28	
			For 14 Gauge Frame, Add	448.21	
			For 12 Gauge Frame, Add	681.28	
08 12 13 13-0117			>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0118	EA		2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,367.87		86.32
			For Auxiliary Frame Reinforcement For Hinges, Add	179.28	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	143.43	
			For Type 304 Stainless Steel Frame, Add	2,160.05	
			For Type 316 Stainless Steel Frame, Add	2,518.62	
			For Baked Enamel Finish, Add	384.47	
			For 18 Gauge Frame, Deduct	-119.52	
			For 14 Gauge Frame, Add	298.81	
			For 12 Gauge Frame, Add	454.19	
08 12 13 13-0119	EA		2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,612.79		94.95
			For Auxiliary Frame Reinforcement For Hinges, Add	213.43	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	170.75	
			For Type 304 Stainless Steel Frame, Add	2,570.70	
			For Type 316 Stainless Steel Frame, Add	2,997.56	
			For Baked Enamel Finish, Add	455.35	
			For 18 Gauge Frame, Deduct	-142.29	
			For 14 Gauge Frame, Add	355.72	
			For 12 Gauge Frame, Add	540.70	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,647.07		100.70
		For Auxiliary Frame Reinforcement For Hinges, Add	216.85		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	173.48		
		For Type 304 Stainless Steel Frame, Add	2,612.24		
		For Type 316 Stainless Steel Frame, Add	3,045.94		
		For Baked Enamel Finish, Add	463.91		
		For 18 Gauge Frame, Deduct	-144.57		
		For 14 Gauge Frame, Add	361.41		
		For 12 Gauge Frame, Add	549.35		
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,664.33		109.34
		For Auxiliary Frame Reinforcement For Hinges, Add	216.85		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	173.48		
		For Type 304 Stainless Steel Frame, Add	2,613.10		
		For Type 316 Stainless Steel Frame, Add	3,046.80		
		For Baked Enamel Finish, Add	466.50		
		For 18 Gauge Frame, Deduct	-144.57		
		For 14 Gauge Frame, Add	361.41		
		For 12 Gauge Frame, Add	549.35		
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,692.85		112.22
		For Auxiliary Frame Reinforcement For Hinges, Add	220.26		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	176.21		
		For Type 304 Stainless Steel Frame, Add	2,654.38		
		For Type 316 Stainless Steel Frame, Add	3,094.90		
		For Baked Enamel Finish, Add	474.19		
		For 18 Gauge Frame, Deduct	-146.84		
		For 14 Gauge Frame, Add	367.11		
		For 12 Gauge Frame, Add	558.00		
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,721.38		115.09
		For Auxiliary Frame Reinforcement For Hinges, Add	223.68		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	178.94		
		For Type 304 Stainless Steel Frame, Add	2,695.65		
		For Type 316 Stainless Steel Frame, Add	3,143.01		
		For Baked Enamel Finish, Add	481.89		
		For 18 Gauge Frame, Deduct	-149.12		
		For 14 Gauge Frame, Add	372.80		
		For 12 Gauge Frame, Add	566.65		
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,835.33		120.85
		For Auxiliary Frame Reinforcement For Hinges, Add	239.05		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	191.24		
		For Type 304 Stainless Steel Frame, Add	2,880.64		
		For Type 316 Stainless Steel Frame, Add	3,358.73		
		For Baked Enamel Finish, Add	514.35		
		For 18 Gauge Frame, Deduct	-159.36		
		For 14 Gauge Frame, Add	398.41		
		For 12 Gauge Frame, Add	605.58		
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,846.84		126.61
		For Auxiliary Frame Reinforcement For Hinges, Add	239.05		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	191.24		
		For Type 304 Stainless Steel Frame, Add	2,881.21		
		For Type 316 Stainless Steel Frame, Add	3,359.30		
		For Baked Enamel Finish, Add	516.07		
		For 18 Gauge Frame, Deduct	-159.36		
		For 14 Gauge Frame, Add	398.41		
		For 12 Gauge Frame, Add	605.58		
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,915.26		132.35
		For Auxiliary Frame Reinforcement For Hinges, Add	247.58		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	198.07		
		For Type 304 Stainless Steel Frame, Add	2,984.23		
		For Type 316 Stainless Steel Frame, Add	3,479.39		
		For Baked Enamel Finish, Add	534.87		
		For 18 Gauge Frame, Deduct	-165.06		
		For 14 Gauge Frame, Add	412.64		
		For 12 Gauge Frame, Add	627.21		
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,983.70		138.11
		For Auxiliary Frame Reinforcement For Hinges, Add	256.12		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	204.90		
		For Type 304 Stainless Steel Frame, Add	3,087.26		
		For Type 316 Stainless Steel Frame, Add	3,599.50		
		For Baked Enamel Finish, Add	553.68		
		For 18 Gauge Frame, Deduct	-170.75		
		For 14 Gauge Frame, Add	426.87		
		For 12 Gauge Frame, Add	648.84		



		Openings	08	08
		Doors and Frames	08 10	
		Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,995.20	143.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	256.12		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	204.90		
		For Type 304 Stainless Steel Frame, Add	3,087.83		
		For Type 316 Stainless Steel Frame, Add	3,600.07		
		For Baked Enamel Finish, Add	555.40		
		For 18 Gauge Frame, Deduct	-170.75		
		For 14 Gauge Frame, Add	426.87		
		For 12 Gauge Frame, Add	648.84		
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,029.41	146.74	
		For Auxiliary Frame Reinforcement For Hinges, Add	260.39		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	208.31		
		For Type 304 Stainless Steel Frame, Add	3,139.33		
		For Type 316 Stainless Steel Frame, Add	3,660.11		
		For Baked Enamel Finish, Add	564.80		
		For 18 Gauge Frame, Deduct	-173.59		
		For 14 Gauge Frame, Add	433.98		
		For 12 Gauge Frame, Add	659.65		
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,063.62	149.62	
		For Auxiliary Frame Reinforcement For Hinges, Add	264.66		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	211.73		
		For Type 304 Stainless Steel Frame, Add	3,190.85		
		For Type 316 Stainless Steel Frame, Add	3,720.16		
		For Baked Enamel Finish, Add	574.20		
		For 18 Gauge Frame, Deduct	-176.44		
		For 14 Gauge Frame, Add	441.10		
		For 12 Gauge Frame, Add	670.46		
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,183.19	152.50	
		For Auxiliary Frame Reinforcement For Hinges, Add	281.73		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	225.38		
		For Type 304 Stainless Steel Frame, Add	3,395.99		
		For Type 316 Stainless Steel Frame, Add	3,959.45		
		For Baked Enamel Finish, Add	609.21		
		For 18 Gauge Frame, Deduct	-187.82		
		For 14 Gauge Frame, Add	469.55		
		For 12 Gauge Frame, Add	713.71		
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,302.79	155.38	
		For Auxiliary Frame Reinforcement For Hinges, Add	298.81		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	239.04		
		For Type 304 Stainless Steel Frame, Add	3,601.21		
		For Type 316 Stainless Steel Frame, Add	4,198.82		
		For Baked Enamel Finish, Add	644.22		
		For 18 Gauge Frame, Deduct	-199.20		
		For 14 Gauge Frame, Add	498.01		
		For 12 Gauge Frame, Add	756.98		
08 12 13 13-0133		8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames			
		(08 12 13 13)			
		Note: For non-rated or fire rated frame assemblies			
08 12 13 13-0134		6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames			
		(08 12 13 13-0133)			
08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,298.38	86.32	
		For Auxiliary Frame Reinforcement For Hinges, Add	168.86		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	135.09		
		For Type 304 Stainless Steel Frame, Add	2,034.96		
		For Type 316 Stainless Steel Frame, Add	2,372.69		
		For Baked Enamel Finish, Add	363.62		
		For 18 Gauge Frame, Deduct	-112.57		
		For 14 Gauge Frame, Add	281.44		
		For 12 Gauge Frame, Add	427.78		
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,530.06	94.95	
		For Auxiliary Frame Reinforcement For Hinges, Add	201.02		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	160.82		
		For Type 304 Stainless Steel Frame, Add	2,421.78		
		For Type 316 Stainless Steel Frame, Add	2,823.83		
		For Baked Enamel Finish, Add	430.53		
		For 18 Gauge Frame, Deduct	-134.02		
		For 14 Gauge Frame, Add	335.04		
		For 12 Gauge Frame, Add	509.26		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA		2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,563.03		100.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	204.24	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	163.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,460.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,869.45	
			<i>For Baked Enamel Finish, Add</i>	438.70	
			<i>For 18 Gauge Frame, Deduct</i>	-136.16	
			<i>For 14 Gauge Frame, Add</i>	340.40	
			<i>For 12 Gauge Frame, Add</i>	517.41	
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,580.29		109.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	204.24	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	163.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,461.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,870.32	
			<i>For Baked Enamel Finish, Add</i>	441.29	
			<i>For 18 Gauge Frame, Deduct</i>	-136.16	
			<i>For 14 Gauge Frame, Add</i>	340.40	
			<i>For 12 Gauge Frame, Add</i>	517.41	
08 12 13 13-0139	EA		2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,607.48		112.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	207.46	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	165.97	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,500.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,915.63	
			<i>For Baked Enamel Finish, Add</i>	448.58	
			<i>For 18 Gauge Frame, Deduct</i>	-138.31	
			<i>For 14 Gauge Frame, Add</i>	345.76	
			<i>For 12 Gauge Frame, Add</i>	525.56	
08 12 13 13-0140	EA		3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....1,634.68		115.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	210.67	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	168.54	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,539.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,960.94	
			<i>For Baked Enamel Finish, Add</i>	455.88	
			<i>For 18 Gauge Frame, Deduct</i>	-140.45	
			<i>For 14 Gauge Frame, Add</i>	351.12	
			<i>For 12 Gauge Frame, Add</i>	533.71	
08 12 13 13-0141	EA		3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,742.67		120.85
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	225.15	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	180.12	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,713.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	3,164.14	
			<i>For Baked Enamel Finish, Add</i>	486.55	
			<i>For 18 Gauge Frame, Deduct</i>	-150.10	
			<i>For 14 Gauge Frame, Add</i>	375.25	
			<i>For 12 Gauge Frame, Add</i>	570.37	
08 12 13 13-0142	EA		3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 1,754.18		126.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	225.15	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	180.12	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,714.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	3,164.72	
			<i>For Baked Enamel Finish, Add</i>	488.27	
			<i>For 18 Gauge Frame, Deduct</i>	-150.10	
			<i>For 14 Gauge Frame, Add</i>	375.25	
			<i>For 12 Gauge Frame, Add</i>	570.37	
08 12 13 13-0143	EA		4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....1,819.30		132.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	233.19	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	186.55	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,811.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	3,277.87	
			<i>For Baked Enamel Finish, Add</i>	506.08	
			<i>For 18 Gauge Frame, Deduct</i>	-155.46	
			<i>For 14 Gauge Frame, Add</i>	388.65	
			<i>For 12 Gauge Frame, Add</i>	590.74	
08 12 13 13-0144	EA		5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....1,884.43		138.11
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	241.23	
			<i>For Welded Frames, Add</i>	331.63	
			<i>For Galvanized Frames, Add</i>	192.98	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,908.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	3,391.03	
			<i>For Baked Enamel Finish, Add</i>	523.89	
			<i>For 18 Gauge Frame, Deduct</i>	-160.82	
			<i>For 14 Gauge Frame, Add</i>	402.05	
			<i>For 12 Gauge Frame, Add</i>	611.12	



Openings			08
Doors and Frames			08 10
Metal Frames			08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,985.93	143.86
			For Auxiliary Frame Reinforcement For Hinges, Add	241.23	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	192.98	
			For Type 304 Stainless Steel Frame, Add	2,909.15	
			For Type 316 Stainless Steel Frame, Add	3,391.61	
			For Baked Enamel Finish, Add	525.62	
			For 18 Gauge Frame, Deduct	-160.82	
			For 14 Gauge Frame, Add	402.05	
			For 12 Gauge Frame, Add	611.12	
08 12 13 13-0146	EA		5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,928.49	146.74
			For Auxiliary Frame Reinforcement For Hinges, Add	245.25	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	196.20	
			For Type 304 Stainless Steel Frame, Add	2,957.67	
			For Type 316 Stainless Steel Frame, Add	3,448.17	
			For Baked Enamel Finish, Add	534.52	
			For 18 Gauge Frame, Deduct	-163.50	
			For 14 Gauge Frame, Add	408.75	
			For 12 Gauge Frame, Add	621.30	
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,961.04	149.62
			For Auxiliary Frame Reinforcement For Hinges, Add	249.27	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	199.42	
			For Type 304 Stainless Steel Frame, Add	3,006.20	
			For Type 316 Stainless Steel Frame, Add	3,504.74	
			For Baked Enamel Finish, Add	543.43	
			For 18 Gauge Frame, Deduct	-166.18	
			For 14 Gauge Frame, Add	415.45	
			For 12 Gauge Frame, Add	631.48	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,074.00	152.50
			For Auxiliary Frame Reinforcement For Hinges, Add	265.35	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	212.28	
			For Type 304 Stainless Steel Frame, Add	3,199.45	
			For Type 316 Stainless Steel Frame, Add	3,730.15	
			For Baked Enamel Finish, Add	576.45	
			For 18 Gauge Frame, Deduct	-176.90	
			For 14 Gauge Frame, Add	442.25	
			For 12 Gauge Frame, Add	672.22	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,186.98	155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	281.43	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	225.15	
			For Type 304 Stainless Steel Frame, Add	3,392.75	
			For Type 316 Stainless Steel Frame, Add	3,955.62	
			For Baked Enamel Finish, Add	609.48	
			For 18 Gauge Frame, Deduct	-187.62	
			For 14 Gauge Frame, Add	469.06	
			For 12 Gauge Frame, Add	712.97	
08 12 13 13-0150			>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,423.46	86.32
			For Auxiliary Frame Reinforcement For Hinges, Add	187.62	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	150.10	
			For Type 304 Stainless Steel Frame, Add	2,260.11	
			For Type 316 Stainless Steel Frame, Add	2,635.35	
			For Baked Enamel Finish, Add	401.14	
			For 18 Gauge Frame, Deduct	-125.08	
			For 14 Gauge Frame, Add	312.71	
			For 12 Gauge Frame, Add	475.31	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,678.97	94.95
			For Auxiliary Frame Reinforcement For Hinges, Add	223.36	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	178.69	
			For Type 304 Stainless Steel Frame, Add	2,689.82	
			For Type 316 Stainless Steel Frame, Add	3,136.54	
			For Baked Enamel Finish, Add	475.21	
			For 18 Gauge Frame, Deduct	-148.91	
			For 14 Gauge Frame, Add	372.27	
			For 12 Gauge Frame, Add	565.85	
08 12 13 13-0153	EA		2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,714.31	100.70
			For Auxiliary Frame Reinforcement For Hinges, Add	226.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	181.55	
			For Type 304 Stainless Steel Frame, Add	2,733.27	
			For Type 316 Stainless Steel Frame, Add	3,187.14	
			For Baked Enamel Finish, Add	484.08	
			For 18 Gauge Frame, Deduct	-151.29	
			For 14 Gauge Frame, Add	378.22	
			For 12 Gauge Frame, Add	574.90	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0154	EA		2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,731.57	109.34
			For Auxiliary Frame Reinforcement For Hinges, Add	226.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	181.55	
			For Type 304 Stainless Steel Frame, Add	2,734.14	
			For Type 316 Stainless Steel Frame, Add	3,188.00	
			For Baked Enamel Finish, Add	486.67	
			For 18 Gauge Frame, Deduct	-151.29	
			For 14 Gauge Frame, Add	378.22	
			For 12 Gauge Frame, Add	574.90	
08 12 13 13-0155	EA		2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,761.15	112.22
			For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	184.41	
			For Type 304 Stainless Steel Frame, Add	2,777.32	
			For Type 316 Stainless Steel Frame, Add	3,238.33	
			For Baked Enamel Finish, Add	494.68	
			For 18 Gauge Frame, Deduct	-153.67	
			For 14 Gauge Frame, Add	384.18	
			For 12 Gauge Frame, Add	583.95	
08 12 13 13-0156	EA		3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,790.74	115.09
			For Auxiliary Frame Reinforcement For Hinges, Add	234.08	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	187.27	
			For Type 304 Stainless Steel Frame, Add	2,820.50	
			For Type 316 Stainless Steel Frame, Add	3,288.66	
			For Baked Enamel Finish, Add	502.69	
			For 18 Gauge Frame, Deduct	-156.06	
			For 14 Gauge Frame, Add	390.14	
			For 12 Gauge Frame, Add	593.01	
08 12 13 13-0157	EA		3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,909.45	120.85
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,014.05	
			For Type 316 Stainless Steel Frame, Add	3,514.38	
			For Baked Enamel Finish, Add	536.58	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
08 12 13 13-0158	EA		3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,920.96	126.61
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,014.63	
			For Type 316 Stainless Steel Frame, Add	3,514.96	
			For Baked Enamel Finish, Add	538.31	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
08 12 13 13-0159	EA		4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,992.03	132.35
			For Auxiliary Frame Reinforcement For Hinges, Add	259.10	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	207.28	
			For Type 304 Stainless Steel Frame, Add	3,122.41	
			For Type 316 Stainless Steel Frame, Add	3,640.61	
			For Baked Enamel Finish, Add	557.90	
			For 18 Gauge Frame, Deduct	-172.73	
			For 14 Gauge Frame, Add	431.83	
			For 12 Gauge Frame, Add	656.38	
08 12 13 13-0160	EA		5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,063.11	138.11
			For Auxiliary Frame Reinforcement For Hinges, Add	268.03	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	214.43	
			For Type 304 Stainless Steel Frame, Add	3,230.20	
			For Type 316 Stainless Steel Frame, Add	3,766.26	
			For Baked Enamel Finish, Add	577.50	
			For 18 Gauge Frame, Deduct	-178.69	
			For 14 Gauge Frame, Add	446.72	
			For 12 Gauge Frame, Add	679.01	
08 12 13 13-0161	EA		5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,074.61	143.86
			For Auxiliary Frame Reinforcement For Hinges, Add	268.03	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	214.43	
			For Type 304 Stainless Steel Frame, Add	3,230.77	
			For Type 316 Stainless Steel Frame, Add	3,766.83	
			For Baked Enamel Finish, Add	579.22	
			For 18 Gauge Frame, Deduct	-178.69	
			For 14 Gauge Frame, Add	446.72	
			For 12 Gauge Frame, Add	679.01	



Openings			08	08
Doors and Frames			08 10	
Metal Frames			08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,110.16	146.74
			For Auxiliary Frame Reinforcement For Hinges, Add	272.50	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	218.00	
			For Type 304 Stainless Steel Frame, Add	3,284.68	
			For Type 316 Stainless Steel Frame, Add	3,829.68	
			For Baked Enamel Finish, Add	589.02	
			For 18 Gauge Frame, Deduct	-181.67	
			For 14 Gauge Frame, Add	454.17	
			For 12 Gauge Frame, Add	690.33	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,145.69	149.62
			For Auxiliary Frame Reinforcement For Hinges, Add	276.97	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	221.57	
			For Type 304 Stainless Steel Frame, Add	3,338.57	
			For Type 316 Stainless Steel Frame, Add	3,892.51	
			For Baked Enamel Finish, Add	598.82	
			For 18 Gauge Frame, Deduct	-184.65	
			For 14 Gauge Frame, Add	461.61	
			For 12 Gauge Frame, Add	701.65	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,270.55	152.50
			For Auxiliary Frame Reinforcement For Hinges, Add	294.83	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	235.87	
			For Type 304 Stainless Steel Frame, Add	3,553.24	
			For Type 316 Stainless Steel Frame, Add	4,142.91	
			For Baked Enamel Finish, Add	635.42	
			For 18 Gauge Frame, Deduct	-196.56	
			For 14 Gauge Frame, Add	491.39	
			For 12 Gauge Frame, Add	746.91	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,395.45	155.38
			For Auxiliary Frame Reinforcement For Hinges, Add	312.71	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	250.16	
			For Type 304 Stainless Steel Frame, Add	3,768.00	
			For Type 316 Stainless Steel Frame, Add	4,393.41	
			For Baked Enamel Finish, Add	672.02	
			For 18 Gauge Frame, Deduct	-208.47	
			For 14 Gauge Frame, Add	521.18	
			For 12 Gauge Frame, Add	792.19	
08 12 13 13-0166			Sidelights And Transoms (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			Fixed Steel Transoms (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	133.47	16.12
			For Movable Frame, Add	26.69	
			For 18 Gauge Frame, Deduct	-10.12	
			For 14 Gauge Frame, Add	25.31	
			For 12 Gauge Frame, Add	38.47	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	139.59	16.69
			For Movable Frame, Add	27.92	
			For 18 Gauge Frame, Deduct	-10.62	
			For 14 Gauge Frame, Add	26.56	
			For 12 Gauge Frame, Add	40.36	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	146.10	17.27
			For Movable Frame, Add	29.22	
			For 18 Gauge Frame, Deduct	-11.16	
			For 14 Gauge Frame, Add	27.89	
			For 12 Gauge Frame, Add	42.40	
08 12 13 13-0171			Operable Steel Transom Sash (08 12 13 13-0166)		
			Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	201.86	16.12
			For 18 Gauge Frame, Deduct	-16.96	
			For 14 Gauge Frame, Add	42.41	
			For 12 Gauge Frame, Add	64.46	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	211.50	16.69
			For 18 Gauge Frame, Deduct	-17.81	
			For 14 Gauge Frame, Add	44.53	
			For 12 Gauge Frame, Add	67.69	
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	221.55	17.27
			For 18 Gauge Frame, Deduct	-18.70	
			For 14 Gauge Frame, Add	46.76	
			For 12 Gauge Frame, Add	71.07	
08 12 13 13-0175			Sidelights, Steel Frame (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame.....	141.01	16.12
			For 18 Gauge Frame, Deduct	-10.88	
			For 14 Gauge Frame, Add	27.20	
			For 12 Gauge Frame, Add	41.34	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame	147.61	16.69
			For 18 Gauge Frame, Deduct	-11.42	
			For 14 Gauge Frame, Add	28.56	
			For 12 Gauge Frame, Add	43.41	
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame	154.45	17.27
			For 18 Gauge Frame, Deduct	-11.99	
			For 14 Gauge Frame, Add	29.98	
			For 12 Gauge Frame, Add	45.57	
08 12 13 13-0179			Sundry Hollow Metal Frame Sections (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180			16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)		
08 12 13 13-0181	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	34.33	6.44
			For 18 Gauge Frame, Deduct	-1.81	
			For 14 Gauge Frame, Add	4.53	
			For 12 Gauge Frame, Add	6.89	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	35.06	6.44
			For 18 Gauge Frame, Deduct	-1.89	
			For 14 Gauge Frame, Add	4.71	
			For 12 Gauge Frame, Add	7.16	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	34.80	6.67
			For 18 Gauge Frame, Deduct	-1.81	
			For 14 Gauge Frame, Add	4.53	
			For 12 Gauge Frame, Add	6.89	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	35.93	6.67
			For 18 Gauge Frame, Deduct	-1.93	
			For 14 Gauge Frame, Add	4.81	
			For 12 Gauge Frame, Add	7.32	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	36.07	6.80
			For 18 Gauge Frame, Deduct	-1.90	
			For 14 Gauge Frame, Add	4.76	
			For 12 Gauge Frame, Add	7.23	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	36.51	6.80
			For 18 Gauge Frame, Deduct	-1.95	
			For 14 Gauge Frame, Add	4.87	
			For 12 Gauge Frame, Add	7.39	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187			16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)		
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	25.27	6.44
			For 18 Gauge Frame, Deduct	-0.91	
			For 14 Gauge Frame, Add	2.27	
			For 12 Gauge Frame, Add	3.44	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	26.19	6.44
			For 18 Gauge Frame, Deduct	-1.00	
			For 14 Gauge Frame, Add	2.50	
			For 12 Gauge Frame, Add	3.79	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	25.74	6.67
			For 18 Gauge Frame, Deduct	-0.91	
			For 14 Gauge Frame, Add	2.27	
			For 12 Gauge Frame, Add	3.44	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	



Openings			08
Doors and Frames			08 10
Metal Frames			08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	26.66 -1.00 2.50 3.79 8.00 5.00 4.00	6.67
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	26.56 -0.95 2.38 3.61 8.00 5.00 4.00	6.80
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	27.37 -1.03 2.58 3.92 8.00 5.00 4.00	6.80
08 12 13 13-0194 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions (08 12 13 13-0179)					
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	831.81 -71.90 179.76 273.23	45.11
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	860.49 -74.77 186.93 284.13	45.11
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	951.01 -83.48 208.69 317.21 56.00 36.00 28.00	47.19
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	976.61 -86.04 215.09 326.94 56.00 36.00 28.00	47.19
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,102.07 -98.12 245.31 372.86 56.00 36.00 28.00	48.34
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,119.49 -99.86 249.66 379.48 56.00 36.00 28.00	48.34
08 12 13 13-0201 Metal Frames Accessories (08 12 13 13)					
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame	32.52	
08 12 16 Aluminum Frames (08 12)					
08 12 16 00-0001 Aluminum Door Frames (08 12 16)					
08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames (08 12 16 00-0001)					
08 12 16 00-0003	EA		2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	678.72	112.22
08 12 16 00-0004	EA		3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	691.52	115.09
08 12 16 00-0005	EA		3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	734.71	120.85
08 12 16 00-0006	EA		3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	746.22	126.61
08 12 16 00-0007	EA		4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	775.34	132.35
08 12 16 00-0008	EA		6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	719.12	149.62
08 12 16 00-0009	EA		7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	751.97	152.50
08 12 16 00-0010	EA		8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,258.87	155.38
08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames (08 12 16 00-0001)					
08 12 16 00-0012	EA		2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	729.19	112.22
08 12 16 00-0013	EA		3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	742.78	115.09

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0014	EA		3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	789.49	120.85
08 12 16 00-0015	EA		3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	801.00	126.61
08 12 16 00-0016	EA		4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	832.08	132.35
08 12 16 00-0017	EA		6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	905.74	149.62
08 12 16 00-0018	EA		7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	950.63	152.50
08 12 16 00-0019	EA		8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	995.51	155.38

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)**08 13 13 13 Standard Hollow Metal Doors** (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13)

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	544.30	63.30
		For Galvanized Steel Door, Add	83.54	
		For Type 304 Stainless Steel Door, Add	334.15	
		For Type 316 Stainless Steel Door, Add	543.00	
		For Embossed Panel Door, Add	100.25	
		For Baked Enamel Finish, Add	144.30	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-30.38	
		For >100, Deduct	-43.99	
		For Polystyrene Core, Add	41.77	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	104.42	
		For Continuously Welded And Filled Vertical Edge Seam, Add	52.21	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	544.30	63.30
		For Galvanized Steel Door, Add	83.54	
		For Type 304 Stainless Steel Door, Add	334.15	
		For Type 316 Stainless Steel Door, Add	543.00	
		For Embossed Panel Door, Add	100.25	
		For Baked Enamel Finish, Add	144.30	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-30.38	
		For >100, Deduct	-43.99	
		For Polystyrene Core, Add	41.77	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	104.42	
		For Continuously Welded And Filled Vertical Edge Seam, Add	52.21	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	558.59	66.18
		For Galvanized Steel Door, Add	85.25	
		For Type 304 Stainless Steel Door, Add	340.99	
		For Type 316 Stainless Steel Door, Add	554.11	
		For Embossed Panel Door, Add	102.30	
		For Baked Enamel Finish, Add	147.72	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.24	
		For >100, Deduct	-45.20	
		For Polystyrene Core, Add	42.62	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	106.56	
		For Continuously Welded And Filled Vertical Edge Seam, Add	53.28	



		Openings	08	08
		Doors and Frames	08 10	
		Metal Doors	08 13	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	564.95	66.18
		For Galvanized Steel Door, Add	86.52	
		For Type 304 Stainless Steel Door, Add	346.08	
		For Type 316 Stainless Steel Door, Add	562.38	
		For Embossed Panel Door, Add	103.82	
		For Baked Enamel Finish, Add	149.63	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.56	
		For >100, Deduct	-45.68	
		For Polystyrene Core, Add	43.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	108.15	
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.08	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	570.37	67.62
		For Galvanized Steel Door, Add	87.03	
		For Type 304 Stainless Steel Door, Add	348.11	
		For Type 316 Stainless Steel Door, Add	565.68	
		For Embossed Panel Door, Add	104.43	
		For Baked Enamel Finish, Add	150.83	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.90	
		For >100, Deduct	-46.16	
		For Polystyrene Core, Add	43.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	108.79	
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.39	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	575.80	69.05
		For Galvanized Steel Door, Add	87.54	
		For Type 304 Stainless Steel Door, Add	350.15	
		For Type 316 Stainless Steel Door, Add	569.00	
		For Embossed Panel Door, Add	105.05	
		For Baked Enamel Finish, Add	152.02	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.24	
		For >100, Deduct	-46.64	
		For Polystyrene Core, Add	43.77	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.42	
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.71	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	608.88	69.05
		For Galvanized Steel Door, Add	94.15	
		For Type 304 Stainless Steel Door, Add	376.62	
		For Type 316 Stainless Steel Door, Add	612.00	
		For Embossed Panel Door, Add	112.98	
		For Baked Enamel Finish, Add	161.95	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.90	
		For >100, Deduct	-49.12	
		For Polystyrene Core, Add	47.08	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.69	
		For Continuously Welded And Filled Vertical Edge Seam, Add	58.85	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	627.35	71.93
		For Galvanized Steel Door, Add	96.70	
		For Type 304 Stainless Steel Door, Add	386.79	
		For Type 316 Stainless Steel Door, Add	628.54	
		For Embossed Panel Door, Add	116.04	
		For Baked Enamel Finish, Add	166.63	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.96	
		For >100, Deduct	-50.65	
		For Polystyrene Core, Add	48.35	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.87	
		For Continuously Welded And Filled Vertical Edge Seam, Add	60.44	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	689.77	77.69
			For Galvanized Steel Door, Add	106.88	
			For Type 304 Stainless Steel Door, Add	427.51	
			For Type 316 Stainless Steel Door, Add	694.71	
			For Embossed Panel Door, Add	128.25	
			For Baked Enamel Finish, Add	183.62	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.37	
			For >100, Deduct	-55.62	
			For Polystyrene Core, Add	53.44	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	133.60	
			For Continuously Welded And Filled Vertical Edge Seam, Add	66.80	
08 13 13 13-0012			7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0013	EA		2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	555.25	63.30
			For Galvanized Steel Door, Add	85.73	
			For Type 304 Stainless Steel Door, Add	342.91	
			For Type 316 Stainless Steel Door, Add	557.23	
			For Embossed Panel Door, Add	102.87	
			For Baked Enamel Finish, Add	147.58	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-30.93	
			For >100, Deduct	-44.81	
			For Polystyrene Core, Add	42.86	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	107.16	
			For Continuously Welded And Filled Vertical Edge Seam, Add	53.58	
08 13 13 13-0014	EA		2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	555.25	63.30
			For Galvanized Steel Door, Add	85.73	
			For Type 304 Stainless Steel Door, Add	342.91	
			For Type 316 Stainless Steel Door, Add	557.23	
			For Embossed Panel Door, Add	102.87	
			For Baked Enamel Finish, Add	147.58	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-30.93	
			For >100, Deduct	-44.81	
			For Polystyrene Core, Add	42.86	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	107.16	
			For Continuously Welded And Filled Vertical Edge Seam, Add	53.58	
08 13 13 13-0015	EA		2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	569.75	66.18
			For Galvanized Steel Door, Add	87.48	
			For Type 304 Stainless Steel Door, Add	349.92	
			For Type 316 Stainless Steel Door, Add	568.62	
			For Embossed Panel Door, Add	104.98	
			For Baked Enamel Finish, Add	151.07	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-31.80	
			For >100, Deduct	-46.04	
			For Polystyrene Core, Add	43.74	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.35	
			For Continuously Welded And Filled Vertical Edge Seam, Add	54.68	
08 13 13 13-0016	EA		2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	576.28	66.18
			For Galvanized Steel Door, Add	88.79	
			For Type 304 Stainless Steel Door, Add	355.14	
			For Type 316 Stainless Steel Door, Add	577.11	
			For Embossed Panel Door, Add	106.54	
			For Baked Enamel Finish, Add	153.03	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-32.12	
			For >100, Deduct	-46.53	
			For Polystyrene Core, Add	44.39	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	110.98	
			For Continuously Welded And Filled Vertical Edge Seam, Add	55.49	



		Openings	08
		Doors and Frames	08 10
		Metal Doors	08 13

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	581.77		67.62
	For Galvanized Steel Door, Add	89.31		
	For Type 304 Stainless Steel Door, Add	357.23		
	For Type 316 Stainless Steel Door, Add	580.50		
	For Embossed Panel Door, Add	107.17		
	For Baked Enamel Finish, Add	154.25		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-32.47		
	For >100, Deduct	-47.01		
	For Polystyrene Core, Add	44.65		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	111.64		
	For Continuously Welded And Filled Vertical Edge Seam, Add	55.82		
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	587.27		69.05
	For Galvanized Steel Door, Add	89.83		
	For Type 304 Stainless Steel Door, Add	359.33		
	For Type 316 Stainless Steel Door, Add	583.91		
	For Embossed Panel Door, Add	107.80		
	For Baked Enamel Finish, Add	155.46		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-32.82		
	For >100, Deduct	-47.50		
	For Polystyrene Core, Add	44.92		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	112.29		
	For Continuously Welded And Filled Vertical Edge Seam, Add	56.15		
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	621.21		69.05
	For Galvanized Steel Door, Add	96.62		
	For Type 304 Stainless Steel Door, Add	386.48		
	For Type 316 Stainless Steel Door, Add	628.03		
	For Embossed Panel Door, Add	115.94		
	For Baked Enamel Finish, Add	165.65		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-34.51		
	For >100, Deduct	-50.04		
	For Polystyrene Core, Add	48.31		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.78		
	For Continuously Welded And Filled Vertical Edge Seam, Add	60.39		
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	640.02		71.93
	For Galvanized Steel Door, Add	99.23		
	For Type 304 Stainless Steel Door, Add	396.93		
	For Type 316 Stainless Steel Door, Add	645.01		
	For Embossed Panel Door, Add	119.08		
	For Baked Enamel Finish, Add	170.43		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-35.60		
	For >100, Deduct	-51.60		
	For Polystyrene Core, Add	49.62		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.04		
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.02		
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	703.77		77.69
	For Galvanized Steel Door, Add	109.68		
	For Type 304 Stainless Steel Door, Add	438.71		
	For Type 316 Stainless Steel Door, Add	712.91		
	For Embossed Panel Door, Add	131.61		
	For Baked Enamel Finish, Add	187.82		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-39.07		
	For >100, Deduct	-56.67		
	For Polystyrene Core, Add	54.84		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	137.10		
	For Continuously Welded And Filled Vertical Edge Seam, Add	68.55		
08 13 13 13-0022	7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)			

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	565.88		63.30
		For Galvanized Steel Door, Add	87.85		
		For Type 304 Stainless Steel Door, Add	351.42		
		For Type 316 Stainless Steel Door, Add	571.05		
		For Embossed Panel Door, Add	105.42		
		For Baked Enamel Finish, Add	150.77		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-31.46		
		For >100, Deduct	-45.61		
		For Polystyrene Core, Add	43.93		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.82		
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.91		
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	565.88		63.30
		For Galvanized Steel Door, Add	87.85		
		For Type 304 Stainless Steel Door, Add	351.42		
		For Type 316 Stainless Steel Door, Add	571.05		
		For Embossed Panel Door, Add	105.42		
		For Baked Enamel Finish, Add	150.77		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-31.46		
		For >100, Deduct	-45.61		
		For Polystyrene Core, Add	43.93		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.82		
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.91		
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	580.60		66.18
		For Galvanized Steel Door, Add	89.65		
		For Type 304 Stainless Steel Door, Add	358.60		
		For Type 316 Stainless Steel Door, Add	582.73		
		For Embossed Panel Door, Add	107.58		
		For Baked Enamel Finish, Add	154.33		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-32.34		
		For >100, Deduct	-46.85		
		For Polystyrene Core, Add	44.83		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	112.06		
		For Continuously Welded And Filled Vertical Edge Seam, Add	56.03		
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	587.29		66.18
		For Galvanized Steel Door, Add	90.99		
		For Type 304 Stainless Steel Door, Add	363.95		
		For Type 316 Stainless Steel Door, Add	591.42		
		For Embossed Panel Door, Add	109.19		
		For Baked Enamel Finish, Add	156.33		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-32.67		
		For >100, Deduct	-47.36		
		For Polystyrene Core, Add	45.49		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	113.74		
		For Continuously Welded And Filled Vertical Edge Seam, Add	56.87		
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	592.84		67.62
		For Galvanized Steel Door, Add	91.52		
		For Type 304 Stainless Steel Door, Add	366.09		
		For Type 316 Stainless Steel Door, Add	594.89		
		For Embossed Panel Door, Add	109.83		
		For Baked Enamel Finish, Add	157.57		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-33.02		
		For >100, Deduct	-47.84		
		For Polystyrene Core, Add	45.76		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.40		
		For Continuously Welded And Filled Vertical Edge Seam, Add	57.20		



		Openings	08
		Doors and Frames	08 10
		Metal Doors	08 13

08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0028	EA	3' x 7'-2" x 1'-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	598.40	69.05
		For Galvanized Steel Door, Add	92.06	
		For Type 304 Stainless Steel Door, Add	368.23	
		For Type 316 Stainless Steel Door, Add	598.38	
		For Embossed Panel Door, Add	110.47	
		For Baked Enamel Finish, Add	158.80	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.37	
		For >100, Deduct	-48.33	
		For Polystyrene Core, Add	46.03	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	115.07	
		For Continuously Welded And Filled Vertical Edge Seam, Add	57.54	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1'-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	633.19	69.05
		For Galvanized Steel Door, Add	99.02	
		For Type 304 Stainless Steel Door, Add	396.06	
		For Type 316 Stainless Steel Door, Add	643.60	
		For Embossed Panel Door, Add	118.82	
		For Baked Enamel Finish, Add	169.24	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-35.11	
		For >100, Deduct	-50.94	
		For Polystyrene Core, Add	49.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.77	
		For Continuously Welded And Filled Vertical Edge Seam, Add	61.89	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1'-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	652.33	71.93
		For Galvanized Steel Door, Add	101.69	
		For Type 304 Stainless Steel Door, Add	406.78	
		For Type 316 Stainless Steel Door, Add	661.01	
		For Embossed Panel Door, Add	122.03	
		For Baked Enamel Finish, Add	174.12	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.21	
		For >100, Deduct	-52.52	
		For Polystyrene Core, Add	50.85	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	127.12	
		For Continuously Welded And Filled Vertical Edge Seam, Add	63.56	
08 13 13 13-0031	EA	4' x 7'-2" x 1'-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	717.37	77.69
		For Galvanized Steel Door, Add	112.40	
		For Type 304 Stainless Steel Door, Add	449.59	
		For Type 316 Stainless Steel Door, Add	730.59	
		For Embossed Panel Door, Add	134.88	
		For Baked Enamel Finish, Add	191.90	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-39.75	
		For >100, Deduct	-57.69	
		For Polystyrene Core, Add	56.20	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	140.50	
		For Continuously Welded And Filled Vertical Edge Seam, Add	70.25	
08 13 13 13-0032		18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0033		6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	578.10	63.30
		For Galvanized Steel Door, Add	90.30	
		For Type 304 Stainless Steel Door, Add	361.19	
		For Type 316 Stainless Steel Door, Add	586.94	
		For Embossed Panel Door, Add	108.36	
		For Baked Enamel Finish, Add	154.44	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.07	
		For >100, Deduct	-46.52	
		For 2" Thick Door, Add	35.90	
		For Polystyrene Core, Add	45.15	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	112.87	
		For Continuously Welded And Filled Vertical Edge Seam, Add	56.44	
		For Steel Stiffened, Add	112.87	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	578.10	63.30
		For Galvanized Steel Door, Add	90.30	
		For Type 304 Stainless Steel Door, Add	361.19	
		For Type 316 Stainless Steel Door, Add	586.94	
		For Embossed Panel Door, Add	108.36	
		For Baked Enamel Finish, Add	154.44	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.07	
		For >100, Deduct	-46.52	
		For 2" Thick Door, Add	35.90	
		For Polystyrene Core, Add	45.15	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	112.87	
		For Continuously Welded And Filled Vertical Edge Seam, Add	56.44	
		For Steel Stiffened, Add	112.87	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	593.07	66.18
		For Galvanized Steel Door, Add	92.14	
		For Type 304 Stainless Steel Door, Add	368.58	
		For Type 316 Stainless Steel Door, Add	598.94	
		For Embossed Panel Door, Add	110.57	
		For Baked Enamel Finish, Add	158.07	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.96	
		For >100, Deduct	-47.79	
		For 2" Thick Door, Add	36.71	
		For Polystyrene Core, Add	46.07	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	115.18	
		For Continuously Welded And Filled Vertical Edge Seam, Add	57.59	
		For Steel Stiffened, Add	115.18	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	599.95	66.18
		For Galvanized Steel Door, Add	93.52	
		For Type 304 Stainless Steel Door, Add	374.08	
		For Type 316 Stainless Steel Door, Add	607.88	
		For Embossed Panel Door, Add	112.22	
		For Baked Enamel Finish, Add	160.13	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.31	
		For >100, Deduct	-48.31	
		For 2" Thick Door, Add	37.21	
		For Polystyrene Core, Add	46.76	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	116.90	
		For Continuously Welded And Filled Vertical Edge Seam, Add	58.45	
		For Steel Stiffened, Add	116.90	



Openings		08	08
Doors and Frames		08 10	
Metal Doors		08 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0038	EA		2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	605.57	67.62
			For Galvanized Steel Door, Add	94.07	
			For Type 304 Stainless Steel Door, Add	376.27	
			For Type 316 Stainless Steel Door, Add	611.44	
			For Embossed Panel Door, Add	112.88	
			For Baked Enamel Finish, Add	161.39	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.66	
			For >100, Deduct	-48.80	
			For 2" Thick Door, Add	37.48	
			For Polystyrene Core, Add	47.03	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.59	
			For Continuously Welded And Filled Vertical Edge Seam, Add	58.79	
			For Steel Stiffened, Add	117.59	
08 13 13 13-0039	EA		3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	611.21	69.05
			For Galvanized Steel Door, Add	94.62	
			For Type 304 Stainless Steel Door, Add	378.48	
			For Type 316 Stainless Steel Door, Add	615.03	
			For Embossed Panel Door, Add	113.54	
			For Baked Enamel Finish, Add	162.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.01	
			For >100, Deduct	-49.29	
			For 2" Thick Door, Add	37.75	
			For Polystyrene Core, Add	47.31	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.28	
			For Continuously Welded And Filled Vertical Edge Seam, Add	59.14	
			For Steel Stiffened, Add	118.28	
08 13 13 13-0040	EA		3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	646.96	69.05
			For Galvanized Steel Door, Add	101.77	
			For Type 304 Stainless Steel Door, Add	407.08	
			For Type 316 Stainless Steel Door, Add	661.51	
			For Embossed Panel Door, Add	122.12	
			For Baked Enamel Finish, Add	173.37	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.80	
			For >100, Deduct	-51.97	
			For 2" Thick Door, Add	40.34	
			For Polystyrene Core, Add	50.89	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	127.21	
			For Continuously Welded And Filled Vertical Edge Seam, Add	63.61	
			For Steel Stiffened, Add	127.21	
08 13 13 13-0041	EA		3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	666.47	71.93
			For Galvanized Steel Door, Add	104.52	
			For Type 304 Stainless Steel Door, Add	418.09	
			For Type 316 Stainless Steel Door, Add	679.39	
			For Embossed Panel Door, Add	125.43	
			For Baked Enamel Finish, Add	178.36	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.92	
			For >100, Deduct	-53.58	
			For 2" Thick Door, Add	41.49	
			For Polystyrene Core, Add	52.26	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	130.65	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.33	
			For Steel Stiffened, Add	130.65	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	733.00		77.69
		For Galvanized Steel Door, Add		115.52	
		For Type 304 Stainless Steel Door, Add		462.10	
		For Type 316 Stainless Steel Door, Add		750.91	
		For Embossed Panel Door, Add		138.63	
		For Baked Enamel Finish, Add		196.59	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-40.53	
		For >100, Deduct		-58.86	
		For 2" Thick Door, Add		45.76	
		For Polystyrene Core, Add		57.76	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		144.41	
		For Continuously Welded And Filled Vertical Edge Seam, Add		72.20	
		For Steel Stiffened, Add		144.41	
08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal					
Doors (08 13 13 13-0032)					
08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	588.81		63.30
		For Galvanized Steel Door, Add		92.44	
		For Type 304 Stainless Steel Door, Add		369.76	
		For Type 316 Stainless Steel Door, Add		600.86	
		For Embossed Panel Door, Add		110.93	
		For Baked Enamel Finish, Add		157.65	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-32.61	
		For >100, Deduct		-47.33	
		For 2" Thick Door, Add		36.67	
		For Polystyrene Core, Add		46.22	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		115.55	
		For Continuously Welded And Filled Vertical Edge Seam, Add		57.78	
		For Steel Stiffened, Add		115.55	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	588.81		63.30
		For Galvanized Steel Door, Add		92.44	
		For Type 304 Stainless Steel Door, Add		369.76	
		For Type 316 Stainless Steel Door, Add		600.86	
		For Embossed Panel Door, Add		110.93	
		For Baked Enamel Finish, Add		157.65	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-32.61	
		For >100, Deduct		-47.33	
		For 2" Thick Door, Add		36.67	
		For Polystyrene Core, Add		46.22	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		115.55	
		For Continuously Welded And Filled Vertical Edge Seam, Add		57.78	
		For Steel Stiffened, Add		115.55	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	604.00		66.18
		For Galvanized Steel Door, Add		94.33	
		For Type 304 Stainless Steel Door, Add		377.32	
		For Type 316 Stainless Steel Door, Add		613.15	
		For Embossed Panel Door, Add		113.20	
		For Baked Enamel Finish, Add		161.35	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-33.51	
		For >100, Deduct		-48.61	
		For 2" Thick Door, Add		37.50	
		For Polystyrene Core, Add		47.17	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		117.91	
		For Continuously Welded And Filled Vertical Edge Seam, Add		58.96	
		For Steel Stiffened, Add		117.91	



		Openings	08
		Doors and Frames	08 10
		Metal Doors	08 13

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0047	EA		2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	611.04	66.18
			For Galvanized Steel Door, Add	95.74	
			For Type 304 Stainless Steel Door, Add	382.95	
			For Type 316 Stainless Steel Door, Add	622.30	
			For Embossed Panel Door, Add	114.89	
			For Baked Enamel Finish, Add	163.46	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.86	
			For >100, Deduct	-49.14	
			For 2" Thick Door, Add	38.01	
			For Polystyrene Core, Add	47.87	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.67	
			For Continuously Welded And Filled Vertical Edge Seam, Add	59.84	
			For Steel Stiffened, Add	119.67	
08 13 13 13-0048	EA		2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	616.74	67.62
			For Galvanized Steel Door, Add	96.30	
			For Type 304 Stainless Steel Door, Add	385.21	
			For Type 316 Stainless Steel Door, Add	625.96	
			For Embossed Panel Door, Add	115.56	
			For Baked Enamel Finish, Add	164.74	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.22	
			For >100, Deduct	-49.64	
			For 2" Thick Door, Add	38.29	
			For Polystyrene Core, Add	48.15	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.38	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.19	
			For Steel Stiffened, Add	120.38	
08 13 13 13-0049	EA		3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	622.43	69.05
			For Galvanized Steel Door, Add	96.86	
			For Type 304 Stainless Steel Door, Add	387.46	
			For Type 316 Stainless Steel Door, Add	629.62	
			For Embossed Panel Door, Add	116.24	
			For Baked Enamel Finish, Add	166.01	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.57	
			For >100, Deduct	-50.14	
			For 2" Thick Door, Add	38.57	
			For Polystyrene Core, Add	48.43	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.08	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.54	
			For Steel Stiffened, Add	121.08	
08 13 13 13-0050	EA		3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	659.04	69.05
			For Galvanized Steel Door, Add	104.19	
			For Type 304 Stainless Steel Door, Add	416.74	
			For Type 316 Stainless Steel Door, Add	677.21	
			For Embossed Panel Door, Add	125.02	
			For Baked Enamel Finish, Add	177.00	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.40	
			For >100, Deduct	-52.88	
			For 2" Thick Door, Add	41.22	
			For Polystyrene Core, Add	52.09	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	130.23	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.12	
			For Steel Stiffened, Add	130.23	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	678.87		71.93
		For Galvanized Steel Door, Add	107.00		
		For Type 304 Stainless Steel Door, Add	428.01		
		For Type 316 Stainless Steel Door, Add	695.51		
		For Embossed Panel Door, Add	128.40		
		For Baked Enamel Finish, Add	182.08		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-37.54		
		For >100, Deduct	-54.51		
		For 2" Thick Door, Add	42.38		
		For Polystyrene Core, Add	53.50		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	133.75		
		For Continuously Welded And Filled Vertical Edge Seam, Add	66.88		
		For Steel Stiffened, Add	133.75		
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	746.71		77.69
		For Galvanized Steel Door, Add	118.27		
		For Type 304 Stainless Steel Door, Add	473.06		
		For Type 316 Stainless Steel Door, Add	768.73		
		For Embossed Panel Door, Add	141.92		
		For Baked Enamel Finish, Add	200.71		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-41.22		
		For >100, Deduct	-59.89		
		For 2" Thick Door, Add	46.76		
		For Polystyrene Core, Add	59.13		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	147.83		
		For Continuously Welded And Filled Vertical Edge Seam, Add	73.92		
		For Steel Stiffened, Add	147.83		
08 13 13 13-0053		7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)			
08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	599.53		63.30
		For Galvanized Steel Door, Add	94.58		
		For Type 304 Stainless Steel Door, Add	378.34		
		For Type 316 Stainless Steel Door, Add	614.80		
		For Embossed Panel Door, Add	113.50		
		For Baked Enamel Finish, Add	160.87		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-33.14		
		For >100, Deduct	-48.13		
		For 2" Thick Door, Add	37.45		
		For Polystyrene Core, Add	47.29		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.23		
		For Continuously Welded And Filled Vertical Edge Seam, Add	59.12		
		For Steel Stiffened, Add	118.23		
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	599.53		63.30
		For Galvanized Steel Door, Add	94.58		
		For Type 304 Stainless Steel Door, Add	378.34		
		For Type 316 Stainless Steel Door, Add	614.80		
		For Embossed Panel Door, Add	113.50		
		For Baked Enamel Finish, Add	160.87		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-33.14		
		For >100, Deduct	-48.13		
		For 2" Thick Door, Add	37.45		
		For Polystyrene Core, Add	47.29		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.23		
		For Continuously Welded And Filled Vertical Edge Seam, Add	59.12		
		For Steel Stiffened, Add	118.23		



		Openings	08	08
		Doors and Frames	08 10	
		Metal Doors	08 13	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 13 13 13-0056	EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	614.94		66.18
	For Galvanized Steel Door, Add	96.52		
	For Type 304 Stainless Steel Door, Add	386.07		
	For Type 316 Stainless Steel Door, Add	627.37		
	For Embossed Panel Door, Add	115.82		
	For Baked Enamel Finish, Add	164.63		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-34.06		
	For >100, Deduct	-49.43		
	For 2" Thick Door, Add	38.30		
	For Polystyrene Core, Add	48.26		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.65		
	For Continuously Welded And Filled Vertical Edge Seam, Add	60.32		
	For Steel Stiffened, Add	120.65		
08 13 13 13-0057	EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	622.14		66.18
	For Galvanized Steel Door, Add	97.96		
	For Type 304 Stainless Steel Door, Add	391.83		
	For Type 316 Stainless Steel Door, Add	636.73		
	For Embossed Panel Door, Add	117.55		
	For Baked Enamel Finish, Add	166.79		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-34.42		
	For >100, Deduct	-49.97		
	For 2" Thick Door, Add	38.82		
	For Polystyrene Core, Add	48.98		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.45		
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.22		
	For Steel Stiffened, Add	122.45		
08 13 13 13-0058	EA 2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	627.91		67.62
	For Galvanized Steel Door, Add	98.54		
	For Type 304 Stainless Steel Door, Add	394.14		
	For Type 316 Stainless Steel Door, Add	640.48		
	For Embossed Panel Door, Add	118.24		
	For Baked Enamel Finish, Add	168.09		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-34.78		
	For >100, Deduct	-50.47		
	For 2" Thick Door, Add	39.10		
	For Polystyrene Core, Add	49.27		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.17		
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.59		
	For Steel Stiffened, Add	123.17		
08 13 13 13-0059	EA 3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	633.66		69.05
	For Galvanized Steel Door, Add	99.11		
	For Type 304 Stainless Steel Door, Add	396.44		
	For Type 316 Stainless Steel Door, Add	644.22		
	For Embossed Panel Door, Add	118.93		
	For Baked Enamel Finish, Add	169.38		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-35.14		
	For >100, Deduct	-50.98		
	For 2" Thick Door, Add	39.38		
	For Polystyrene Core, Add	49.56		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.89		
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.94		
	For Steel Stiffened, Add	123.89		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060	EA		3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	671.12	69.05
			For Galvanized Steel Door, Add	106.60	
			For Type 304 Stainless Steel Door, Add	426.41	
			For Type 316 Stainless Steel Door, Add	692.91	
			For Embossed Panel Door, Add	127.92	
			For Baked Enamel Finish, Add	180.62	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.01	
			For >100, Deduct	-53.79	
			For 2" Thick Door, Add	42.10	
			For Polystyrene Core, Add	53.30	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	133.25	
			For Continuously Welded And Filled Vertical Edge Seam, Add	66.63	
			For Steel Stiffened, Add	133.25	
08 13 13 13-0061	EA		3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	691.27	71.93
			For Galvanized Steel Door, Add	109.48	
			For Type 304 Stainless Steel Door, Add	437.93	
			For Type 316 Stainless Steel Door, Add	711.63	
			For Embossed Panel Door, Add	131.38	
			For Baked Enamel Finish, Add	185.80	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.16	
			For >100, Deduct	-55.44	
			For 2" Thick Door, Add	43.28	
			For Polystyrene Core, Add	54.74	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.85	
			For Continuously Welded And Filled Vertical Edge Seam, Add	68.43	
			For Steel Stiffened, Add	136.85	
08 13 13 13-0062	EA		4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	760.42	77.69
			For Galvanized Steel Door, Add	121.01	
			For Type 304 Stainless Steel Door, Add	484.03	
			For Type 316 Stainless Steel Door, Add	786.55	
			For Embossed Panel Door, Add	145.21	
			For Baked Enamel Finish, Add	204.82	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-41.91	
			For >100, Deduct	-60.92	
			For 2" Thick Door, Add	47.75	
			For Polystyrene Core, Add	60.50	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	151.26	
			For Continuously Welded And Filled Vertical Edge Seam, Add	75.63	
			For Steel Stiffened, Add	151.26	
08 13 13 13-0063			8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0064	EA		2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	687.91	63.30
			For Up To 1' Extra Height, Add	155.31	
			For 1' To 1'-6" Extra Height, Add	296.31	
			For Galvanized Steel Door, Add	112.26	
			For Type 304 Stainless Steel Door, Add	449.04	
			For Type 316 Stainless Steel Door, Add	729.69	
			For Embossed Panel Door, Add	134.71	
			For Baked Enamel Finish, Add	187.38	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.56	
			For >100, Deduct	-54.76	
			For 2" Thick Door, Add	43.86	
			For Polystyrene Core, Add	56.13	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	140.33	
			For Continuously Welded And Filled Vertical Edge Seam, Add	70.16	
			For Steel Stiffened, Add	140.33	



		Openings	08	08
		Doors and Frames	08 10	
		Metal Doors	08 13	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 13 13 13-0065	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	687.91	63.30
		For Up To 1' Extra Height, Add	155.31	
		For 1' To 1'-6" Extra Height, Add	296.31	
		For Galvanized Steel Door, Add	112.26	
		For Type 304 Stainless Steel Door, Add	449.04	
		For Type 316 Stainless Steel Door, Add	729.69	
		For Embossed Panel Door, Add	134.71	
		For Baked Enamel Finish, Add	187.38	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-37.56	
		For >100, Deduct	-54.76	
		For 2" Thick Door, Add	43.86	
		For Polystyrene Core, Add	56.13	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	140.33	
		For Continuously Welded And Filled Vertical Edge Seam, Add	70.16	
		For Steel Stiffened, Add	140.33	
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	705.13	66.18
		For Up To 1' Extra Height, Add	158.49	
		For 1' To 1'-6" Extra Height, Add	302.37	
		For Galvanized Steel Door, Add	114.56	
		For Type 304 Stainless Steel Door, Add	458.22	
		For Type 316 Stainless Steel Door, Add	744.61	
		For Embossed Panel Door, Add	137.47	
		For Baked Enamel Finish, Add	191.69	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.57	
		For >100, Deduct	-56.19	
		For 2" Thick Door, Add	44.84	
		For Polystyrene Core, Add	57.28	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	143.20	
		For Continuously Welded And Filled Vertical Edge Seam, Add	71.60	
		For Steel Stiffened, Add	143.20	
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	713.68	66.18
		For Up To 1' Extra Height, Add	160.85	
		For 1' To 1'-6" Extra Height, Add	306.88	
		For Galvanized Steel Door, Add	116.27	
		For Type 304 Stainless Steel Door, Add	465.06	
		For Type 316 Stainless Steel Door, Add	755.73	
		For Embossed Panel Door, Add	139.52	
		For Baked Enamel Finish, Add	194.25	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.99	
		For >100, Deduct	-56.83	
		For 2" Thick Door, Add	45.46	
		For Polystyrene Core, Add	58.13	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	145.33	
		For Continuously Welded And Filled Vertical Edge Seam, Add	72.67	
		For Steel Stiffened, Add	145.33	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	719.98	67.62
		For Up To 1' Extra Height, Add	161.80	
		For 1' To 1'-6" Extra Height, Add	308.69	
		For Galvanized Steel Door, Add	116.95	
		For Type 304 Stainless Steel Door, Add	467.80	
		For Type 316 Stainless Steel Door, Add	760.18	
		For Embossed Panel Door, Add	140.34	
		For Baked Enamel Finish, Add	195.71	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-39.38	
		For >100, Deduct	-57.38	
		For 2" Thick Door, Add	45.78	
		For Polystyrene Core, Add	58.48	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.19	
		For Continuously Welded And Filled Vertical Edge Seam, Add	73.09	
		For Steel Stiffened, Add	146.19	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069	EA		3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	726.28	69.05
			For Up To 1' Extra Height, Add	162.75	
			For 1' To 1'-6" Extra Height, Add	310.49	
			For Galvanized Steel Door, Add	117.63	
			For Type 304 Stainless Steel Door, Add	470.54	
			For Type 316 Stainless Steel Door, Add	764.62	
			For Embossed Panel Door, Add	141.16	
			For Baked Enamel Finish, Add	197.17	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.77	
			For >100, Deduct	-57.92	
			For 2" Thick Door, Add	46.10	
			For Polystyrene Core, Add	58.82	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	147.04	
			For Continuously Welded And Filled Vertical Edge Seam, Add	73.52	
			For Steel Stiffened, Add	147.04	
08 13 13 13-0070	EA		3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	770.73	69.05
			For Up To 1' Extra Height, Add	175.05	
			For 1' To 1'-6" Extra Height, Add	333.96	
			For Galvanized Steel Door, Add	126.52	
			For Type 304 Stainless Steel Door, Add	506.10	
			For Type 316 Stainless Steel Door, Add	822.41	
			For Embossed Panel Door, Add	151.83	
			For Baked Enamel Finish, Add	210.50	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-41.99	
			For >100, Deduct	-61.26	
			For 2" Thick Door, Add	49.32	
			For Polystyrene Core, Add	63.26	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.16	
			For Continuously Welded And Filled Vertical Edge Seam, Add	79.08	
			For Steel Stiffened, Add	158.16	
08 13 13 13-0071	EA		3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	793.58	71.93
			For Up To 1' Extra Height, Add	179.78	
			For 1' To 1'-6" Extra Height, Add	342.99	
			For Galvanized Steel Door, Add	129.94	
			For Type 304 Stainless Steel Door, Add	519.78	
			For Type 316 Stainless Steel Door, Add	844.64	
			For Embossed Panel Door, Add	155.93	
			For Baked Enamel Finish, Add	216.50	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-43.28	
			For >100, Deduct	-63.12	
			For 2" Thick Door, Add	50.70	
			For Polystyrene Core, Add	64.97	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.43	
			For Continuously Welded And Filled Vertical Edge Seam, Add	81.22	
			For Steel Stiffened, Add	162.43	
08 13 13 13-0072	EA		4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	873.49	77.69
			For Up To 1' Extra Height, Add	198.70	
			For 1' To 1'-6" Extra Height, Add	379.09	
			For Galvanized Steel Door, Add	143.62	
			For Type 304 Stainless Steel Door, Add	574.49	
			For Type 316 Stainless Steel Door, Add	933.54	
			For Embossed Panel Door, Add	172.35	
			For Baked Enamel Finish, Add	238.74	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-47.56	
			For >100, Deduct	-69.40	
			For 2" Thick Door, Add	55.95	
			For Polystyrene Core, Add	71.81	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.53	
			For Continuously Welded And Filled Vertical Edge Seam, Add	89.76	
			For Steel Stiffened, Add	179.53	

08 13 13 13-0073 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal
Doors (08 13 13 13)

08 13 13 13-0074 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow
Metal Doors (08 13 13 13-0073)



Openings			08	08
Doors and Frames			08 10	
Metal Doors			08 13	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0075	EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	751.92		63.30
	For 14 Gauge, Level 4 Maximum Duty, Add	250.12		
	For Galvanized Steel Door, Add	125.06		
	For Type 304 Stainless Steel Door, Add	500.25		
	For Type 316 Stainless Steel Door, Add	812.90		
	For Embossed Panel Door, Add	150.07		
	For Baked Enamel Finish, Add	206.58		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-40.76		
	For >100, Deduct	-59.56		
	For 2" Thick Door, Add	48.50		
	For Polystyrene Core, Add	62.53		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.33		
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.16		
	For Steel Stiffened, Add	156.33		
08 13 13 13-0076	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	751.92		63.30
	For 14 Gauge, Level 4 Maximum Duty, Add	250.12		
	For Galvanized Steel Door, Add	125.06		
	For Type 304 Stainless Steel Door, Add	500.25		
	For Type 316 Stainless Steel Door, Add	812.90		
	For Embossed Panel Door, Add	150.07		
	For Baked Enamel Finish, Add	206.58		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-40.76		
	For >100, Deduct	-59.56		
	For 2" Thick Door, Add	48.50		
	For Polystyrene Core, Add	62.53		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.33		
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.16		
	For Steel Stiffened, Add	156.33		
08 13 13 13-0077	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	770.45		66.18
	For 14 Gauge, Level 4 Maximum Duty, Add	255.24		
	For Galvanized Steel Door, Add	127.62		
	For Type 304 Stainless Steel Door, Add	510.48		
	For Type 316 Stainless Steel Door, Add	829.53		
	For Embossed Panel Door, Add	153.14		
	For Baked Enamel Finish, Add	211.28		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-41.83		
	For >100, Deduct	-61.09		
	For 2" Thick Door, Add	49.57		
	For Polystyrene Core, Add	63.81		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.53		
	For Continuously Welded And Filled Vertical Edge Seam, Add	79.76		
	For Steel Stiffened, Add	159.53		
08 13 13 13-0078	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	779.97		66.18
	For 14 Gauge, Level 4 Maximum Duty, Add	259.05		
	For Galvanized Steel Door, Add	129.52		
	For Type 304 Stainless Steel Door, Add	518.10		
	For Type 316 Stainless Steel Door, Add	841.91		
	For Embossed Panel Door, Add	155.43		
	For Baked Enamel Finish, Add	214.14		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-42.31		
	For >100, Deduct	-61.81		
	For 2" Thick Door, Add	50.26		
	For Polystyrene Core, Add	64.76		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.91		
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.95		
	For Steel Stiffened, Add	161.91		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0079	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	786.67		67.62
	For 14 Gauge, Level 4 Maximum Duty, Add	260.58		
	For Galvanized Steel Door, Add	130.29		
	For Type 304 Stainless Steel Door, Add	521.15		
	For Type 316 Stainless Steel Door, Add	846.87		
	For Embossed Panel Door, Add	156.35		
	For Baked Enamel Finish, Add	215.72		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-42.71		
	For >100, Deduct	-62.38		
	For 2" Thick Door, Add	50.61		
	For Polystyrene Core, Add	65.14		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.86		
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.43		
	For Steel Stiffened, Add	162.86		
08 13 13 13-0080	EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	793.35		69.05
	For 14 Gauge, Level 4 Maximum Duty, Add	262.10		
	For Galvanized Steel Door, Add	131.05		
	For Type 304 Stainless Steel Door, Add	524.19		
	For Type 316 Stainless Steel Door, Add	851.81		
	For Embossed Panel Door, Add	157.26		
	For Baked Enamel Finish, Add	217.29		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-43.12		
	For >100, Deduct	-62.95		
	For 2" Thick Door, Add	50.96		
	For Polystyrene Core, Add	65.52		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.81		
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.91		
	For Steel Stiffened, Add	163.81		
08 13 13 13-0081	EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.88		69.05
	For 14 Gauge, Level 4 Maximum Duty, Add	281.91		
	For Galvanized Steel Door, Add	140.95		
	For Type 304 Stainless Steel Door, Add	563.82		
	For Type 316 Stainless Steel Door, Add	916.20		
	For Embossed Panel Door, Add	169.14		
	For Baked Enamel Finish, Add	232.15		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-45.60		
	For >100, Deduct	-66.67		
	For 2" Thick Door, Add	54.55		
	For Polystyrene Core, Add	70.48		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.19		
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.10		
	For Steel Stiffened, Add	176.19		
08 13 13 13-0082	EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	867.67		71.93
	For 14 Gauge, Level 4 Maximum Duty, Add	289.52		
	For Galvanized Steel Door, Add	144.76		
	For Type 304 Stainless Steel Door, Add	579.05		
	For Type 316 Stainless Steel Door, Add	940.95		
	For Embossed Panel Door, Add	173.71		
	For Baked Enamel Finish, Add	238.72		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-46.98		
	For >100, Deduct	-68.67		
	For 2" Thick Door, Add	56.07		
	For Polystyrene Core, Add	72.38		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.95		
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.48		
	For Steel Stiffened, Add	180.95		



Openings			08	08
Doors and Frames			08 10	
Metal Doors			08 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0083	EA		4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	955.38	77.69
			For 14 Gauge, Level 4 Maximum Duty, Add	320.00	
			For Galvanized Steel Door, Add	160.00	
			For Type 304 Stainless Steel Door, Add	640.00	
			For Type 316 Stainless Steel Door, Add	1,040.00	
			For Embossed Panel Door, Add	192.00	
			For Baked Enamel Finish, Add	263.31	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-51.65	
			For >100, Deduct	-75.54	
			For 2" Thick Door, Add	61.88	
			For Polystyrene Core, Add	80.00	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	200.00	
			For Continuously Welded And Filled Vertical Edge Seam, Add	100.00	
			For Steel Stiffened, Add	200.00	
08 13 13 13-0084			7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0073)		
08 13 13 13-0085	EA		2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	766.76	63.30
			For 14 Gauge, Level 4 Maximum Duty, Add	256.06	
			For Galvanized Steel Door, Add	128.03	
			For Type 304 Stainless Steel Door, Add	512.12	
			For Type 316 Stainless Steel Door, Add	832.20	
			For Embossed Panel Door, Add	153.64	
			For Baked Enamel Finish, Add	211.04	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-41.50	
			For >100, Deduct	-60.67	
			For 2" Thick Door, Add	49.58	
			For Polystyrene Core, Add	64.02	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.04	
			For Continuously Welded And Filled Vertical Edge Seam, Add	80.02	
			For Steel Stiffened, Add	160.04	
08 13 13 13-0086	EA		2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	766.76	63.30
			For 14 Gauge, Level 4 Maximum Duty, Add	256.06	
			For Galvanized Steel Door, Add	128.03	
			For Type 304 Stainless Steel Door, Add	512.12	
			For Type 316 Stainless Steel Door, Add	832.20	
			For Embossed Panel Door, Add	153.64	
			For Baked Enamel Finish, Add	211.04	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-41.50	
			For >100, Deduct	-60.67	
			For 2" Thick Door, Add	49.58	
			For Polystyrene Core, Add	64.02	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.04	
			For Continuously Welded And Filled Vertical Edge Seam, Add	80.02	
			For Steel Stiffened, Add	160.04	
08 13 13 13-0087	EA		2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	785.59	66.18
			For 14 Gauge, Level 4 Maximum Duty, Add	261.30	
			For Galvanized Steel Door, Add	130.65	
			For Type 304 Stainless Steel Door, Add	522.59	
			For Type 316 Stainless Steel Door, Add	849.21	
			For Embossed Panel Door, Add	156.78	
			For Baked Enamel Finish, Add	215.82	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.59	
			For >100, Deduct	-62.23	
			For 2" Thick Door, Add	50.67	
			For Polystyrene Core, Add	65.32	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.31	
			For Continuously Welded And Filled Vertical Edge Seam, Add	81.66	
			For Steel Stiffened, Add	163.31	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0088	EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	795.34		66.18
	For 14 Gauge, Level 4 Maximum Duty, Add	265.20		
	For Galvanized Steel Door, Add	132.60		
	For Type 304 Stainless Steel Door, Add	530.39		
	For Type 316 Stainless Steel Door, Add	861.89		
	For Embossed Panel Door, Add	159.12		
	For Baked Enamel Finish, Add	218.75		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-43.08		
	For >100, Deduct	-62.96		
	For 2" Thick Door, Add	51.38		
	For Polystyrene Core, Add	66.30		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.75		
	For Continuously Welded And Filled Vertical Edge Seam, Add	82.87		
	For Steel Stiffened, Add	165.75		
08 13 13 13-0089	EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	802.12		67.62
	For 14 Gauge, Level 4 Maximum Duty, Add	266.76		
	For Galvanized Steel Door, Add	133.38		
	For Type 304 Stainless Steel Door, Add	533.51		
	For Type 316 Stainless Steel Door, Add	866.96		
	For Embossed Panel Door, Add	160.05		
	For Baked Enamel Finish, Add	220.35		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-43.49		
	For >100, Deduct	-63.54		
	For 2" Thick Door, Add	51.73		
	For Polystyrene Core, Add	66.69		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.72		
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.36		
	For Steel Stiffened, Add	166.72		
08 13 13 13-0090	EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	808.90		69.05
	For 14 Gauge, Level 4 Maximum Duty, Add	268.32		
	For Galvanized Steel Door, Add	134.16		
	For Type 304 Stainless Steel Door, Add	536.63		
	For Type 316 Stainless Steel Door, Add	872.03		
	For Embossed Panel Door, Add	160.99		
	For Baked Enamel Finish, Add	221.95		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-43.90		
	For >100, Deduct	-64.12		
	For 2" Thick Door, Add	52.09		
	For Polystyrene Core, Add	67.08		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	167.70		
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.85		
	For Steel Stiffened, Add	167.70		
08 13 13 13-0091	EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	859.60		69.05
	For 14 Gauge, Level 4 Maximum Duty, Add	288.60		
	For Galvanized Steel Door, Add	144.30		
	For Type 304 Stainless Steel Door, Add	577.19		
	For Type 316 Stainless Steel Door, Add	937.94		
	For Embossed Panel Door, Add	173.16		
	For Baked Enamel Finish, Add	237.16		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-46.43		
	For >100, Deduct	-67.92		
	For 2" Thick Door, Add	55.76		
	For Polystyrene Core, Add	72.15		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.37		
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.19		
	For Steel Stiffened, Add	180.37		



Openings			08	08
Doors and Frames			08 10	
Metal Doors			08 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0092	EA		3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	884.85	71.93
			For 14 Gauge, Level 4 Maximum Duty, Add	296.40	
			For Galvanized Steel Door, Add	148.20	
			For Type 304 Stainless Steel Door, Add	592.79	
			For Type 316 Stainless Steel Door, Add	963.29	
			For Embossed Panel Door, Add	177.84	
			For Baked Enamel Finish, Add	243.88	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-47.84	
			For >100, Deduct	-69.96	
			For 2" Thick Door, Add	57.32	
			For Polystyrene Core, Add	74.10	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	185.25	
			For Continuously Welded And Filled Vertical Edge Seam, Add	92.62	
			For Steel Stiffened, Add	185.25	
08 13 13 13-0093	EA		4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	974.37	77.69
			For 14 Gauge, Level 4 Maximum Duty, Add	327.60	
			For Galvanized Steel Door, Add	163.80	
			For Type 304 Stainless Steel Door, Add	655.19	
			For Type 316 Stainless Steel Door, Add	1,064.69	
			For Embossed Panel Door, Add	196.56	
			For Baked Enamel Finish, Add	269.00	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-52.60	
			For >100, Deduct	-76.96	
			For 2" Thick Door, Add	63.26	
			For Polystyrene Core, Add	81.90	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.75	
			For Continuously Welded And Filled Vertical Edge Seam, Add	102.37	
			For Steel Stiffened, Add	204.75	
08 13 13 13-0094			7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0073)		
08 13 13 13-0095	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	781.60	63.30
			For 14 Gauge, Level 4 Maximum Duty, Add	262.00	
			For Galvanized Steel Door, Add	131.00	
			For Type 304 Stainless Steel Door, Add	523.99	
			For Type 316 Stainless Steel Door, Add	851.49	
			For Embossed Panel Door, Add	157.20	
			For Baked Enamel Finish, Add	215.49	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.25	
			For >100, Deduct	-61.79	
			For 2" Thick Door, Add	50.65	
			For Polystyrene Core, Add	65.50	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.75	
			For Continuously Welded And Filled Vertical Edge Seam, Add	81.87	
			For Steel Stiffened, Add	163.75	
08 13 13 13-0096	EA		2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	781.60	63.30
			For 14 Gauge, Level 4 Maximum Duty, Add	262.00	
			For Galvanized Steel Door, Add	131.00	
			For Type 304 Stainless Steel Door, Add	523.99	
			For Type 316 Stainless Steel Door, Add	851.49	
			For Embossed Panel Door, Add	157.20	
			For Baked Enamel Finish, Add	215.49	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.25	
			For >100, Deduct	-61.79	
			For 2" Thick Door, Add	50.65	
			For Polystyrene Core, Add	65.50	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.75	
			For Continuously Welded And Filled Vertical Edge Seam, Add	81.87	
			For Steel Stiffened, Add	163.75	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0097	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	800.74		66.18
		For 14 Gauge, Level 4 Maximum Duty, Add	267.36		
		For Galvanized Steel Door, Add	133.68		
		For Type 304 Stainless Steel Door, Add	534.71		
		For Type 316 Stainless Steel Door, Add	868.91		
		For Embossed Panel Door, Add	160.41		
		For Baked Enamel Finish, Add	220.37		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-43.35		
		For >100, Deduct	-63.36		
		For 2" Thick Door, Add	51.77		
		For Polystyrene Core, Add	66.84		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	167.10		
		For Continuously Welded And Filled Vertical Edge Seam, Add	83.55		
		For Steel Stiffened, Add	167.10		
08 13 13 13-0098	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	810.71		66.18
		For 14 Gauge, Level 4 Maximum Duty, Add	271.34		
		For Galvanized Steel Door, Add	135.67		
		For Type 304 Stainless Steel Door, Add	542.69		
		For Type 316 Stainless Steel Door, Add	881.87		
		For Embossed Panel Door, Add	162.81		
		For Baked Enamel Finish, Add	223.36		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-43.84		
		For >100, Deduct	-64.11		
		For 2" Thick Door, Add	52.49		
		For Polystyrene Core, Add	67.84		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	169.59		
		For Continuously Welded And Filled Vertical Edge Seam, Add	84.80		
		For Steel Stiffened, Add	169.59		
08 13 13 13-0099	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	817.59		67.62
		For 14 Gauge, Level 4 Maximum Duty, Add	272.94		
		For Galvanized Steel Door, Add	136.47		
		For Type 304 Stainless Steel Door, Add	545.89		
		For Type 316 Stainless Steel Door, Add	887.07		
		For Embossed Panel Door, Add	163.77		
		For Baked Enamel Finish, Add	224.99		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-44.26		
		For >100, Deduct	-64.70		
		For 2" Thick Door, Add	52.85		
		For Polystyrene Core, Add	68.24		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	170.59		
		For Continuously Welded And Filled Vertical Edge Seam, Add	85.30		
		For Steel Stiffened, Add	170.59		
08 13 13 13-0100	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	824.45		69.05
		For 14 Gauge, Level 4 Maximum Duty, Add	274.54		
		For Galvanized Steel Door, Add	137.27		
		For Type 304 Stainless Steel Door, Add	549.07		
		For Type 316 Stainless Steel Door, Add	892.24		
		For Embossed Panel Door, Add	164.72		
		For Baked Enamel Finish, Add	226.62		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-44.68		
		For >100, Deduct	-65.29		
		For 2" Thick Door, Add	53.21		
		For Polystyrene Core, Add	68.63		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.59		
		For Continuously Welded And Filled Vertical Edge Seam, Add	85.79		
		For Steel Stiffened, Add	171.59		



Openings		08	08
Doors and Frames		08 10	
Metal Doors		08 13	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 13 13 13-0101	EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	876.33		69.05
	For 14 Gauge, Level 4 Maximum Duty, Add	295.29		
	For Galvanized Steel Door, Add	147.64		
	For Type 304 Stainless Steel Door, Add	590.58		
	For Type 316 Stainless Steel Door, Add	959.69		
	For Embossed Panel Door, Add	177.17		
	For Baked Enamel Finish, Add	242.18		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-47.27		
	For >100, Deduct	-69.18		
	For 2" Thick Door, Add	56.97		
	For Polystyrene Core, Add	73.82		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	184.56		
	For Continuously Welded And Filled Vertical Edge Seam, Add	92.28		
	For Steel Stiffened, Add	184.56		
08 13 13 13-0102	EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	902.03		71.93
	For 14 Gauge, Level 4 Maximum Duty, Add	303.27		
	For Galvanized Steel Door, Add	151.63		
	For Type 304 Stainless Steel Door, Add	606.54		
	For Type 316 Stainless Steel Door, Add	985.62		
	For Embossed Panel Door, Add	181.96		
	For Baked Enamel Finish, Add	249.03		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-48.70		
	For >100, Deduct	-71.25		
	For 2" Thick Door, Add	58.56		
	For Polystyrene Core, Add	75.82		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	189.54		
	For Continuously Welded And Filled Vertical Edge Seam, Add	94.77		
	For Steel Stiffened, Add	189.54		
08 13 13 13-0103	EA 4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	993.35		77.69
	For 14 Gauge, Level 4 Maximum Duty, Add	335.19		
	For Galvanized Steel Door, Add	167.59		
	For Type 304 Stainless Steel Door, Add	670.38		
	For Type 316 Stainless Steel Door, Add	1,089.36		
	For Embossed Panel Door, Add	201.11		
	For Baked Enamel Finish, Add	274.70		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-53.55		
	For >100, Deduct	-78.39		
	For 2" Thick Door, Add	64.64		
	For Polystyrene Core, Add	83.80		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	209.49		
	For Continuously Welded And Filled Vertical Edge Seam, Add	104.75		
	For Steel Stiffened, Add	209.49		
08 13 13 13-0104	8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0073)			
08 13 13 13-0105	EA 2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	904.01		63.30
	For Up To 1' Extra Height, Add	215.11		
	For 14 Gauge, Level 4 Maximum Duty, Add	310.96		
	For Galvanized Steel Door, Add	155.48		
	For Type 304 Stainless Steel Door, Add	621.92		
	For Type 316 Stainless Steel Door, Add	1,010.62		
	For Embossed Panel Door, Add	186.58		
	For Baked Enamel Finish, Add	252.21		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-48.37		
	For >100, Deduct	-70.97		
	For 2" Thick Door, Add	59.53		
	For Polystyrene Core, Add	77.74		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	194.35		
	For Continuously Welded And Filled Vertical Edge Seam, Add	97.18		
	For Steel Stiffened, Add	194.35		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0106	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	904.01		63.30
		For Up To 1' Extra Height, Add		215.11	
		For 14 Gauge, Level 4 Maximum Duty, Add		310.96	
		For Galvanized Steel Door, Add		155.48	
		For Type 304 Stainless Steel Door, Add		621.92	
		For Type 316 Stainless Steel Door, Add		1,010.62	
		For Embossed Panel Door, Add		186.58	
		For Baked Enamel Finish, Add		252.21	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-48.37	
		For >100, Deduct		-70.97	
		For 2" Thick Door, Add		59.53	
		For Polystyrene Core, Add		77.74	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		194.35	
		For Continuously Welded And Filled Vertical Edge Seam, Add		97.18	
		For Steel Stiffened, Add		194.35	
08 13 13 13-0107	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	925.65		66.18
		For Up To 1' Extra Height, Add		219.51	
		For 14 Gauge, Level 4 Maximum Duty, Add		317.32	
		For Galvanized Steel Door, Add		158.66	
		For Type 304 Stainless Steel Door, Add		634.64	
		For Type 316 Stainless Steel Door, Add		1,031.29	
		For Embossed Panel Door, Add		190.39	
		For Baked Enamel Finish, Add		257.84	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-49.59	
		For >100, Deduct		-72.73	
		For 2" Thick Door, Add		60.82	
		For Polystyrene Core, Add		79.33	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		198.33	
		For Continuously Welded And Filled Vertical Edge Seam, Add		99.16	
		For Steel Stiffened, Add		198.33	
08 13 13 13-0108	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	937.49		66.18
		For Up To 1' Extra Height, Add		222.78	
		For 14 Gauge, Level 4 Maximum Duty, Add		322.06	
		For Galvanized Steel Door, Add		161.03	
		For Type 304 Stainless Steel Door, Add		644.11	
		For Type 316 Stainless Steel Door, Add		1,046.68	
		For Embossed Panel Door, Add		193.23	
		For Baked Enamel Finish, Add		261.39	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-50.18	
		For >100, Deduct		-73.62	
		For 2" Thick Door, Add		61.68	
		For Polystyrene Core, Add		80.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		201.29	
		For Continuously Welded And Filled Vertical Edge Seam, Add		100.64	
		For Steel Stiffened, Add		201.29	
08 13 13 13-0109	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	945.11		67.62
		For Up To 1' Extra Height, Add		224.09	
		For 14 Gauge, Level 4 Maximum Duty, Add		323.95	
		For Galvanized Steel Door, Add		161.98	
		For Type 304 Stainless Steel Door, Add		647.90	
		For Type 316 Stainless Steel Door, Add		1,052.84	
		For Embossed Panel Door, Add		194.37	
		For Baked Enamel Finish, Add		263.25	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-50.64	
		For >100, Deduct		-74.26	
		For 2" Thick Door, Add		62.10	
		For Polystyrene Core, Add		80.99	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		202.47	
		For Continuously Welded And Filled Vertical Edge Seam, Add		101.24	
		For Steel Stiffened, Add		202.47	



Openings			08
Doors and Frames			08 10
Metal Doors			08 13

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0110	EA		3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	952.72	69.05
			For Up To 1' Extra Height, Add	225.40	
			For 14 Gauge, Level 4 Maximum Duty, Add	325.84	
			For Galvanized Steel Door, Add	162.92	
			For Type 304 Stainless Steel Door, Add	651.69	
			For Type 316 Stainless Steel Door, Add	1,058.99	
			For Embossed Panel Door, Add	195.51	
			For Baked Enamel Finish, Add	265.10	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-51.09	
			For >100, Deduct	-74.91	
			For 2" Thick Door, Add	62.51	
			For Polystyrene Core, Add	81.46	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	203.65	
			For Continuously Welded And Filled Vertical Edge Seam, Add	101.83	
			For Steel Stiffened, Add	203.65	
08 13 13 13-0111	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,014.29	69.05
			For Up To 1' Extra Height, Add	242.44	
			For 14 Gauge, Level 4 Maximum Duty, Add	350.47	
			For Galvanized Steel Door, Add	175.24	
			For Type 304 Stainless Steel Door, Add	700.94	
			For Type 316 Stainless Steel Door, Add	1,139.03	
			For Embossed Panel Door, Add	210.28	
			For Baked Enamel Finish, Add	283.57	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-54.17	
			For >100, Deduct	-79.52	
			For 2" Thick Door, Add	66.98	
			For Polystyrene Core, Add	87.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	219.05	
			For Continuously Welded And Filled Vertical Edge Seam, Add	109.52	
			For Steel Stiffened, Add	219.05	
08 13 13 13-0112	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,043.73	71.93
			For Up To 1' Extra Height, Add	248.99	
			For 1' To 1'-6" Extra Height, Add	475.04	
			For 14 Gauge, Level 4 Maximum Duty, Add	359.95	
			For Galvanized Steel Door, Add	179.97	
			For Type 304 Stainless Steel Door, Add	719.90	
			For Type 316 Stainless Steel Door, Add	1,169.83	
			For Embossed Panel Door, Add	215.97	
			For Baked Enamel Finish, Add	291.54	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-55.78	
			For >100, Deduct	-81.88	
			For 2" Thick Door, Add	68.84	
			For Polystyrene Core, Add	89.99	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	224.97	
			For Continuously Welded And Filled Vertical Edge Seam, Add	112.48	
			For Steel Stiffened, Add	224.97	
08 13 13 13-0113	EA		4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,149.96	77.69
			For Up To 1' Extra Height, Add	275.20	
			For 1' To 1'-6" Extra Height, Add	525.04	
			For 14 Gauge, Level 4 Maximum Duty, Add	397.83	
			For Galvanized Steel Door, Add	198.92	
			For Type 304 Stainless Steel Door, Add	795.66	
			For Type 316 Stainless Steel Door, Add	1,292.95	
			For Embossed Panel Door, Add	238.70	
			For Baked Enamel Finish, Add	321.68	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-61.38	
			For >100, Deduct	-90.13	
			For 2" Thick Door, Add	75.99	
			For Polystyrene Core, Add	99.46	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	248.65	
			For Continuously Welded And Filled Vertical Edge Seam, Add	124.32	
			For Steel Stiffened, Add	248.65	

08 13 13 53 Custom Hollow Metal Doors (08 13 13)

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,673.62		143.86
		For 16 Gauge Door, Add	20.30		
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,756.28		172.64
		For 16 Gauge Door, Add	20.30		

08 13 73 Sliding Metal Doors (08 13)**08 13 73 00-0001 Sliding Bypass Mirror Doors (08 13 73)**

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	756.55	86.32
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	869.61	92.08
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	982.67	97.83
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,197.27	103.58

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)**08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)****08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)**

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	253.70	63.30
		For >25 To 50, Deduct	-14.58	
		For >50 To 100, Deduct	-23.78	
		For >100, Deduct	-34.89	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	253.70	63.30
		For >25 To 50, Deduct	-14.58	
		For >50 To 100, Deduct	-23.78	
		For >100, Deduct	-34.89	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	268.45	66.18
		For >25 To 50, Deduct	-15.37	
		For >50 To 100, Deduct	-25.14	
		For >100, Deduct	-36.96	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	275.08	66.18
		For >25 To 50, Deduct	-15.64	
		For >50 To 100, Deduct	-25.72	
		For >100, Deduct	-37.95	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.63	66.18
		For >25 To 50, Deduct	-15.70	
		For >50 To 100, Deduct	-25.86	
		For >100, Deduct	-38.19	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.17	69.05
		For >25 To 50, Deduct	-16.16	
		For >50 To 100, Deduct	-26.50	
		For >100, Deduct	-39.02	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.34	69.05
		For >25 To 50, Deduct	-16.73	
		For >50 To 100, Deduct	-27.74	
		For >100, Deduct	-41.15	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	313.28	71.93
		For >25 To 50, Deduct	-17.57	
		For >50 To 100, Deduct	-29.21	
		For >100, Deduct	-43.40	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	261.11	63.30
		For >25 To 50, Deduct	-14.88	
		For >50 To 100, Deduct	-24.43	
		For >100, Deduct	-36.00	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	261.11	63.30
		For >25 To 50, Deduct	-14.88	
		For >50 To 100, Deduct	-24.43	
		For >100, Deduct	-36.00	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.38	66.18
		For >25 To 50, Deduct	-15.69	
		For >50 To 100, Deduct	-25.84	
		For >100, Deduct	-38.15	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.39	66.18
		For >25 To 50, Deduct	-15.97	
		For >50 To 100, Deduct	-26.45	
		For >100, Deduct	-39.20	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.03	66.18
		For >25 To 50, Deduct	-16.03	
		For >50 To 100, Deduct	-26.59	
		For >100, Deduct	-39.45	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	291.61	69.05
		For >25 To 50, Deduct	-16.50	
		For >50 To 100, Deduct	-27.24	
		For >100, Deduct	-40.29	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.60	69.05
		For >25 To 50, Deduct	-17.10	
		For >50 To 100, Deduct	-28.55	
		For >100, Deduct	-42.54	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	323.13	71.93
			For >25 To 50, Deduct	-17.96	
			For >50 To 100, Deduct	-30.07	
			For >100, Deduct	-44.87	
08 14 16 00-0019	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.33	63.30
			For >25 To 50, Deduct	-15.92	
			For >50 To 100, Deduct	-26.72	
			For >100, Deduct	-39.93	
			For 9' Door Height, Add	33.75	
08 14 16 00-0020	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.33	63.30
			For >25 To 50, Deduct	-15.92	
			For >50 To 100, Deduct	-26.72	
			For >100, Deduct	-39.93	
			For 9' Door Height, Add	33.75	
08 14 16 00-0021	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.48	66.18
			For >25 To 50, Deduct	-16.81	
			For >50 To 100, Deduct	-28.30	
			For >100, Deduct	-42.36	
			For 9' Door Height, Add	36.15	
08 14 16 00-0022	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.83	66.18
			For >25 To 50, Deduct	-17.15	
			For >50 To 100, Deduct	-29.03	
			For >100, Deduct	-43.62	
			For 9' Door Height, Add	37.90	
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.80	66.18
			For >25 To 50, Deduct	-17.22	
			For >50 To 100, Deduct	-29.20	
			For >100, Deduct	-43.91	
			For 9' Door Height, Add	38.31	
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.54	69.05
			For >25 To 50, Deduct	-17.70	
			For >50 To 100, Deduct	-29.86	
			For >100, Deduct	-44.78	
			For 9' Door Height, Add	38.52	
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	339.46	69.05
			For >25 To 50, Deduct	-18.41	
			For >50 To 100, Deduct	-31.43	
			For >100, Deduct	-47.47	
			For 9' Door Height, Add	42.28	
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	358.08	71.93
			For >25 To 50, Deduct	-19.36	
			For >50 To 100, Deduct	-33.13	
			For >100, Deduct	-50.12	
			For 9' Door Height, Add	44.99	
08 14 16 00-0027 Oak Faced Wood Door (08 14 16 00-0001)					
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	384.05	63.30
			For >25 To 50, Deduct	-19.79	
			For >50 To 100, Deduct	-35.19	
			For >100, Deduct	-54.44	
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	384.05	63.30
			For >25 To 50, Deduct	-19.79	
			For >50 To 100, Deduct	-35.19	
			For >100, Deduct	-54.44	
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	408.03	66.18
			For >25 To 50, Deduct	-20.95	
			For >50 To 100, Deduct	-37.36	
			For >100, Deduct	-57.90	
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.46	66.18
			For >25 To 50, Deduct	-21.49	
			For >50 To 100, Deduct	-38.53	
			For >100, Deduct	-59.91	
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	423.82	66.18
			For >25 To 50, Deduct	-21.59	
			For >50 To 100, Deduct	-38.74	
			For >100, Deduct	-60.26	
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	431.95	69.05
			For >25 To 50, Deduct	-22.11	
			For >50 To 100, Deduct	-39.52	
			For >100, Deduct	-61.34	
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	460.60	69.05
			For >25 To 50, Deduct	-23.26	
			For >50 To 100, Deduct	-42.03	
			For >100, Deduct	-65.64	
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	487.01	71.93
			For >25 To 50, Deduct	-24.52	
			For >50 To 100, Deduct	-44.41	
			For >100, Deduct	-69.46	
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	399.02	63.30
			For >25 To 50, Deduct	-20.39	
			For >50 To 100, Deduct	-36.50	
			For >100, Deduct	-56.69	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	399.02	63.30
		For >25 To 50, Deduct	.....	-20.39	
		For >50 To 100, Deduct	.....	-36.50	
		For >100, Deduct	.....	-56.69	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	424.08	66.18
		For >25 To 50, Deduct	.....	-21.60	
		For >50 To 100, Deduct	.....	-38.76	
		For >100, Deduct	.....	-60.30	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	438.28	66.18
		For >25 To 50, Deduct	.....	-22.16	
		For >50 To 100, Deduct	.....	-40.00	
		For >100, Deduct	.....	-62.43	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	440.77	66.18
		For >25 To 50, Deduct	.....	-22.26	
		For >50 To 100, Deduct	.....	-40.22	
		For >100, Deduct	.....	-62.81	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	449.03	69.05
		For >25 To 50, Deduct	.....	-22.80	
		For >50 To 100, Deduct	.....	-41.02	
		For >100, Deduct	.....	-63.90	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	479.37	69.05
		For >25 To 50, Deduct	.....	-24.01	
		For >50 To 100, Deduct	.....	-43.67	
		For >100, Deduct	.....	-68.45	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	506.97	71.93
		For >25 To 50, Deduct	.....	-25.31	
		For >50 To 100, Deduct	.....	-46.16	
		For >100, Deduct	.....	-72.45	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	452.16	63.30
		For >25 To 50, Deduct	.....	-22.52	
		For >50 To 100, Deduct	.....	-41.15	
		For >100, Deduct	.....	-64.66	
		For 9' Door Height, Add	.....	68.37	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	452.16	63.30
		For >25 To 50, Deduct	.....	-22.52	
		For >50 To 100, Deduct	.....	-41.15	
		For >100, Deduct	.....	-64.66	
		For 9' Door Height, Add	.....	68.37	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	480.96	66.18
		For >25 To 50, Deduct	.....	-23.87	
		For >50 To 100, Deduct	.....	-43.74	
		For >100, Deduct	.....	-68.84	
		For 9' Door Height, Add	.....	73.21	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	497.92	66.18
		For >25 To 50, Deduct	.....	-24.55	
		For >50 To 100, Deduct	.....	-45.22	
		For >100, Deduct	.....	-71.38	
		For 9' Door Height, Add	.....	76.77	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	500.93	66.18
		For >25 To 50, Deduct	.....	-24.67	
		For >50 To 100, Deduct	.....	-45.49	
		For >100, Deduct	.....	-71.83	
		For 9' Door Height, Add	.....	77.40	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	509.66	69.05
		For >25 To 50, Deduct	.....	-25.22	
		For >50 To 100, Deduct	.....	-46.32	
		For >100, Deduct	.....	-73.00	
		For 9' Door Height, Add	.....	78.03	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	545.93	69.05
		For >25 To 50, Deduct	.....	-26.67	
		For >50 To 100, Deduct	.....	-49.50	
		For >100, Deduct	.....	-78.44	
		For 9' Door Height, Add	.....	85.64	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	577.80	71.93
		For >25 To 50, Deduct	.....	-28.15	
		For >50 To 100, Deduct	.....	-52.36	
		For >100, Deduct	.....	-83.07	
		For 9' Door Height, Add	.....	91.13	
08 14 16 00-0052		Maple Faced Wood Door (08 14 16 00-0001)			
08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	315.26	63.30
		For >25 To 50, Deduct	.....	-17.04	
		For >50 To 100, Deduct	.....	-29.17	
		For >100, Deduct	.....	-44.12	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	315.26	63.30
		For >25 To 50, Deduct	.....	-17.04	
		For >50 To 100, Deduct	.....	-29.17	
		For >100, Deduct	.....	-44.12	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	334.35	66.18
		For >25 To 50, Deduct	.....	-18.01	
		For >50 To 100, Deduct	.....	-30.91	
		For >100, Deduct	.....	-46.84	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	344.21	66.18
		For >25 To 50, Deduct	-18.40	
		For >50 To 100, Deduct	-31.77	
		For >100, Deduct	-48.32	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	345.94	66.18
		For >25 To 50, Deduct	-18.47	
		For >50 To 100, Deduct	-31.92	
		For >100, Deduct	-48.58	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.43	69.05
		For >25 To 50, Deduct	-18.97	
		For >50 To 100, Deduct	-32.65	
		For >100, Deduct	-49.56	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	374.43	69.05
		For >25 To 50, Deduct	-19.81	
		For >50 To 100, Deduct	-34.49	
		For >100, Deduct	-52.71	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	395.31	71.93
		For >25 To 50, Deduct	-20.85	
		For >50 To 100, Deduct	-36.39	
		For >100, Deduct	-55.70	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	326.22	63.30
		For >25 To 50, Deduct	-17.48	
		For >50 To 100, Deduct	-30.13	
		For >100, Deduct	-45.77	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	326.22	63.30
		For >25 To 50, Deduct	-17.48	
		For >50 To 100, Deduct	-30.13	
		For >100, Deduct	-45.77	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	346.12	66.18
		For >25 To 50, Deduct	-18.48	
		For >50 To 100, Deduct	-31.94	
		For >100, Deduct	-48.61	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	356.53	66.18
		For >25 To 50, Deduct	-18.89	
		For >50 To 100, Deduct	-32.85	
		For >100, Deduct	-50.17	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	358.37	66.18
		For >25 To 50, Deduct	-18.97	
		For >50 To 100, Deduct	-33.01	
		For >100, Deduct	-50.45	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	365.94	69.05
		For >25 To 50, Deduct	-19.47	
		For >50 To 100, Deduct	-33.75	
		For >100, Deduct	-51.44	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	388.17	69.05
		For >25 To 50, Deduct	-20.36	
		For >50 To 100, Deduct	-35.69	
		For >100, Deduct	-54.77	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	409.95	71.93
		For >25 To 50, Deduct	-21.43	
		For >50 To 100, Deduct	-37.67	
		For >100, Deduct	-57.90	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	365.16	63.30
		For >25 To 50, Deduct	-19.04	
		For >50 To 100, Deduct	-33.53	
		For >100, Deduct	-51.61	
		For 9' Door Height, Add	50.10	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	365.16	63.30
		For >25 To 50, Deduct	-19.04	
		For >50 To 100, Deduct	-33.53	
		For >100, Deduct	-51.61	
		For 9' Door Height, Add	50.10	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	387.80	66.18
		For >25 To 50, Deduct	-20.14	
		For >50 To 100, Deduct	-35.59	
		For >100, Deduct	-54.86	
		For 9' Door Height, Add	53.64	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	400.22	66.18
		For >25 To 50, Deduct	-20.64	
		For >50 To 100, Deduct	-36.67	
		For >100, Deduct	-56.72	
		For 9' Door Height, Add	56.25	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	402.43	66.18
		For >25 To 50, Deduct	-20.73	
		For >50 To 100, Deduct	-36.87	
		For >100, Deduct	-57.06	
		For 9' Door Height, Add	56.72	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	410.37	69.05
		For >25 To 50, Deduct	-21.25	
		For >50 To 100, Deduct	-37.63	
		For >100, Deduct	-58.10	
		For 9' Door Height, Add	57.17	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0075 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	436.96	69.05
For >25 To 50, Deduct	-22.31	
For >50 To 100, Deduct	-39.96	
For >100, Deduct	-62.09	
For 9' Door Height, Add	62.76	
08 14 16 00-0076 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	461.84	71.93
For >25 To 50, Deduct	-23.51	
For >50 To 100, Deduct	-42.21	
For >100, Deduct	-65.68	
For 9' Door Height, Add	66.78	
08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)		
08 14 16 00-0078 EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	217.99	63.30
For >25 To 50, Deduct	-13.15	
For >50 To 100, Deduct	-20.66	
For >100, Deduct	-29.53	
08 14 16 00-0079 EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	217.99	63.30
For >25 To 50, Deduct	-13.15	
For >50 To 100, Deduct	-20.66	
For >100, Deduct	-29.53	
08 14 16 00-0080 EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	229.92	66.18
For >25 To 50, Deduct	-13.83	
For >50 To 100, Deduct	-21.77	
For >100, Deduct	-31.18	
08 14 16 00-0081 EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.15	66.18
For >25 To 50, Deduct	-14.04	
For >50 To 100, Deduct	-22.23	
For >100, Deduct	-31.96	
08 14 16 00-0082 EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	236.99	66.18
For >25 To 50, Deduct	-14.11	
For >50 To 100, Deduct	-22.39	
For >100, Deduct	-32.24	
08 14 16 00-0083 EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	244.60	69.05
For >25 To 50, Deduct	-14.62	
For >50 To 100, Deduct	-23.13	
For >100, Deduct	-33.24	
08 14 16 00-0084 EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.78	69.05
For >25 To 50, Deduct	-15.03	
For >50 To 100, Deduct	-24.02	
For >100, Deduct	-34.76	
08 14 16 00-0085 EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	268.01	71.93
For >25 To 50, Deduct	-15.76	
For >50 To 100, Deduct	-25.25	
For >100, Deduct	-36.61	
08 14 16 00-0086 EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	223.30	63.30
For >25 To 50, Deduct	-13.36	
For >50 To 100, Deduct	-21.12	
For >100, Deduct	-30.33	
08 14 16 00-0087 EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	227.16	63.30
For >25 To 50, Deduct	-13.52	
For >50 To 100, Deduct	-21.46	
For >100, Deduct	-30.91	
08 14 16 00-0088 EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	235.60	66.18
For >25 To 50, Deduct	-14.06	
For >50 To 100, Deduct	-22.27	
For >100, Deduct	-32.03	
08 14 16 00-0089 EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	241.13	66.18
For >25 To 50, Deduct	-14.28	
For >50 To 100, Deduct	-22.75	
For >100, Deduct	-32.86	
08 14 16 00-0090 EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	247.51	66.18
For >25 To 50, Deduct	-14.53	
For >50 To 100, Deduct	-23.31	
For >100, Deduct	-33.82	
08 14 16 00-0091 EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	250.79	69.05
For >25 To 50, Deduct	-14.87	
For >50 To 100, Deduct	-23.67	
For >100, Deduct	-34.17	
08 14 16 00-0092 EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	261.57	69.05
For >25 To 50, Deduct	-15.30	
For >50 To 100, Deduct	-24.61	
For >100, Deduct	-35.78	
08 14 16 00-0093 EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	280.48	71.93
For >25 To 50, Deduct	-16.25	
For >50 To 100, Deduct	-26.34	
For >100, Deduct	-38.48	
08 14 16 00-0094 EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	242.17	63.30
For >25 To 50, Deduct	-14.12	
For >50 To 100, Deduct	-22.77	
For >100, Deduct	-33.16	
For 9' Door Height, Add	24.27	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	242.14	63.30
			For >25 To 50, Deduct	-14.12	
			For >50 To 100, Deduct	-22.77	
			For >100, Deduct	-33.16	
			For 9' Door Height, Add	24.26	
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	255.74	66.18
			For >25 To 50, Deduct	-14.86	
			For >50 To 100, Deduct	-24.03	
			For >100, Deduct	-35.05	
			For 9' Door Height, Add	25.91	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	262.33	66.18
			For >25 To 50, Deduct	-15.13	
			For >50 To 100, Deduct	-24.61	
			For >100, Deduct	-36.04	
			For 9' Door Height, Add	27.30	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	264.68	66.18
			For >25 To 50, Deduct	-15.22	
			For >50 To 100, Deduct	-24.81	
			For >100, Deduct	-36.39	
			For 9' Door Height, Add	27.79	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.77	69.05
			For >25 To 50, Deduct	-15.74	
			For >50 To 100, Deduct	-25.59	
			For >100, Deduct	-37.46	
			For 9' Door Height, Add	28.28	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	285.65	69.05
			For >25 To 50, Deduct	-16.26	
			For >50 To 100, Deduct	-26.72	
			For >100, Deduct	-39.39	
			For 9' Door Height, Add	30.98	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	300.83	71.93
			For >25 To 50, Deduct	-17.07	
			For >50 To 100, Deduct	-28.12	
			For >100, Deduct	-41.53	
			For 9' Door Height, Add	32.96	
08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)					
08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	242.82	63.30
			For >25 To 50, Deduct	-14.14	
			For >50 To 100, Deduct	-22.83	
			For >100, Deduct	-33.26	
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	242.82	63.30
			For >25 To 50, Deduct	-14.14	
			For >50 To 100, Deduct	-22.83	
			For >100, Deduct	-33.26	
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	257.03	66.18
			For >25 To 50, Deduct	-14.91	
			For >50 To 100, Deduct	-24.14	
			For >100, Deduct	-35.25	
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	261.04	66.18
			For >25 To 50, Deduct	-15.07	
			For >50 To 100, Deduct	-24.50	
			For >100, Deduct	-35.85	
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	265.07	66.18
			For >25 To 50, Deduct	-15.24	
			For >50 To 100, Deduct	-24.85	
			For >100, Deduct	-36.45	
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	274.83	69.05
			For >25 To 50, Deduct	-15.83	
			For >50 To 100, Deduct	-25.77	
			For >100, Deduct	-37.77	
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	289.88	69.05
			For >25 To 50, Deduct	-16.43	
			For >50 To 100, Deduct	-27.09	
			For >100, Deduct	-40.03	
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.33	71.93
			For >25 To 50, Deduct	-17.25	
			For >50 To 100, Deduct	-28.51	
			For >100, Deduct	-42.20	
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.57	63.30
			For >25 To 50, Deduct	-14.41	
			For >50 To 100, Deduct	-23.42	
			For >100, Deduct	-34.27	
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.57	63.30
			For >25 To 50, Deduct	-14.41	
			For >50 To 100, Deduct	-23.42	
			For >100, Deduct	-34.27	
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	264.28	66.18
			For >25 To 50, Deduct	-15.20	
			For >50 To 100, Deduct	-24.78	
			For >100, Deduct	-36.33	
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	268.53	66.18
			For >25 To 50, Deduct	-15.37	
			For >50 To 100, Deduct	-25.15	
			For >100, Deduct	-36.97	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	272.80	66.18
		For >25 To 50, Deduct	-15.54	
		For >50 To 100, Deduct	-25.52	
		For >100, Deduct	-37.61	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	282.80	69.05
		For >25 To 50, Deduct	-16.15	
		For >50 To 100, Deduct	-26.47	
		For >100, Deduct	-38.97	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.72	69.05
		For >25 To 50, Deduct	-16.78	
		For >50 To 100, Deduct	-27.86	
		For >100, Deduct	-41.36	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.73	71.93
		For >25 To 50, Deduct	-17.62	
		For >50 To 100, Deduct	-29.34	
		For >100, Deduct	-43.61	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	273.53	63.30
		For >25 To 50, Deduct	-15.37	
		For >50 To 100, Deduct	-25.52	
		For >100, Deduct	-37.86	
		For 9' Door Height, Add	30.85	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	273.56	63.30
		For >25 To 50, Deduct	-15.37	
		For >50 To 100, Deduct	-25.52	
		For >100, Deduct	-37.87	
		For 9' Door Height, Add	30.86	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	290.00	66.18
		For >25 To 50, Deduct	-16.23	
		For >50 To 100, Deduct	-27.03	
		For >100, Deduct	-40.19	
		For 9' Door Height, Add	33.11	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	295.10	66.18
		For >25 To 50, Deduct	-16.44	
		For >50 To 100, Deduct	-27.48	
		For >100, Deduct	-40.96	
		For 9' Door Height, Add	34.18	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.20	66.18
		For >25 To 50, Deduct	-16.64	
		For >50 To 100, Deduct	-27.92	
		For >100, Deduct	-41.72	
		For 9' Door Height, Add	35.25	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.03	69.05
		For >25 To 50, Deduct	-17.28	
		For >50 To 100, Deduct	-28.94	
		For >100, Deduct	-43.20	
		For 9' Door Height, Add	36.31	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	330.04	69.05
		For >25 To 50, Deduct	-18.04	
		For >50 To 100, Deduct	-30.60	
		For >100, Deduct	-46.05	
		For 9' Door Height, Add	40.31	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	348.06	71.93
		For >25 To 50, Deduct	-18.96	
		For >50 To 100, Deduct	-32.25	
		For >100, Deduct	-48.61	
		For 9' Door Height, Add	42.88	
08 14 16 00-0127		1-3/4" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0128		Birch Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.47	63.30
		For >25 To 50, Deduct	-15.85	
		For >50 To 100, Deduct	-26.56	
		For >100, Deduct	-39.66	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.47	63.30
		For >25 To 50, Deduct	-15.85	
		For >50 To 100, Deduct	-26.56	
		For >100, Deduct	-39.66	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.20	66.18
		For >25 To 50, Deduct	-16.52	
		For >50 To 100, Deduct	-27.66	
		For >100, Deduct	-41.27	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	299.43	66.18
		For >25 To 50, Deduct	-16.61	
		For >50 To 100, Deduct	-27.85	
		For >100, Deduct	-41.61	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.32	66.18
		For >25 To 50, Deduct	-16.81	
		For >50 To 100, Deduct	-28.28	
		For >100, Deduct	-42.34	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.97	69.05
		For >25 To 50, Deduct	-17.43	
		For >50 To 100, Deduct	-29.29	
		For >100, Deduct	-43.79	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.90	69.05
			For >25 To 50, Deduct	-18.47	
			For >50 To 100, Deduct	-31.56	
			For >100, Deduct	-47.68	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	399.28	71.93
			For >25 To 50, Deduct	-21.01	
			For >50 To 100, Deduct	-36.74	
			For >100, Deduct	-56.30	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	412.05	71.93
			For >25 To 50, Deduct	-21.52	
			For >50 To 100, Deduct	-37.85	
			For >100, Deduct	-58.21	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	437.59	71.93
			For >25 To 50, Deduct	-22.54	
			For >50 To 100, Deduct	-40.09	
			For >100, Deduct	-62.04	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	294.73	63.30
			For >25 To 50, Deduct	-16.22	
			For >50 To 100, Deduct	-27.37	
			For >100, Deduct	-41.04	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	294.72	63.30
			For >25 To 50, Deduct	-16.22	
			For >50 To 100, Deduct	-27.37	
			For >100, Deduct	-41.04	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.79	66.18
			For >25 To 50, Deduct	-16.90	
			For >50 To 100, Deduct	-28.50	
			For >100, Deduct	-42.71	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.16	66.18
			For >25 To 50, Deduct	-17.00	
			For >50 To 100, Deduct	-28.71	
			For >100, Deduct	-43.07	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.33	66.18
			For >25 To 50, Deduct	-17.21	
			For >50 To 100, Deduct	-29.16	
			For >100, Deduct	-43.84	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	325.25	69.05
			For >25 To 50, Deduct	-17.84	
			For >50 To 100, Deduct	-30.19	
			For >100, Deduct	-45.33	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.70	69.05
			For >25 To 50, Deduct	-18.94	
			For >50 To 100, Deduct	-32.59	
			For >100, Deduct	-49.45	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	414.16	71.93
			For >25 To 50, Deduct	-21.60	
			For >50 To 100, Deduct	-38.04	
			For >100, Deduct	-58.53	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	427.66	71.93
			For >25 To 50, Deduct	-22.14	
			For >50 To 100, Deduct	-39.22	
			For >100, Deduct	-60.55	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	454.69	71.93
			For >25 To 50, Deduct	-23.22	
			For >50 To 100, Deduct	-41.58	
			For >100, Deduct	-64.61	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.51	63.30
			For >25 To 50, Deduct	-17.53	
			For >50 To 100, Deduct	-30.24	
			For >100, Deduct	-45.96	
			For 9' Door Height, Add	42.19	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.51	63.30
			For >25 To 50, Deduct	-17.53	
			For >50 To 100, Deduct	-30.24	
			For >100, Deduct	-45.96	
			For 9' Door Height, Add	42.19	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.82	66.18
			For >25 To 50, Deduct	-18.27	
			For >50 To 100, Deduct	-31.48	
			For >100, Deduct	-47.81	
			For 9' Door Height, Add	43.78	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	343.63	66.18
			For >25 To 50, Deduct	-18.38	
			For >50 To 100, Deduct	-31.72	
			For >100, Deduct	-48.24	
			For 9' Door Height, Add	44.37	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.83	66.18
			For >25 To 50, Deduct	-18.63	
			For >50 To 100, Deduct	-32.26	
			For >100, Deduct	-49.17	
			For 9' Door Height, Add	45.67	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	361.74	69.05
			For >25 To 50, Deduct	-19.30	
			For >50 To 100, Deduct	-33.38	
			For >100, Deduct	-50.81	
			For 9' Door Height, Add	46.96	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	394.55	69.05
		For >25 To 50, Deduct	-20.62	
		For >50 To 100, Deduct	-36.25	
		For >100, Deduct	-55.73	
		For 9' Door Height, Add	53.85	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	466.86	71.93
		For >25 To 50, Deduct	-23.71	
		For >50 To 100, Deduct	-42.65	
		For >100, Deduct	-66.43	
		For 9' Door Height, Add	67.83	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	482.99	71.93
		For >25 To 50, Deduct	-24.35	
		For >50 To 100, Deduct	-44.06	
		For >100, Deduct	-68.85	
		For 9' Door Height, Add	71.22	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	515.31	71.93
		For >25 To 50, Deduct	-25.65	
		For >50 To 100, Deduct	-46.89	
		For >100, Deduct	-73.70	
		For 9' Door Height, Add	78.00	
08 14 16 00-0159 Oak Faced Wood Doors (08 14 16 00-0127)				
08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	468.94	63.30
		For >25 To 50, Deduct	-23.19	
		For >50 To 100, Deduct	-42.61	
		For >100, Deduct	-67.18	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	468.94	63.30
		For >25 To 50, Deduct	-23.19	
		For >50 To 100, Deduct	-42.61	
		For >100, Deduct	-67.18	
08 14 16 00-0162	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	487.55	66.18
		For >25 To 50, Deduct	-24.13	
		For >50 To 100, Deduct	-44.32	
		For >100, Deduct	-69.82	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	492.37	66.18
		For >25 To 50, Deduct	-24.33	
		For >50 To 100, Deduct	-44.74	
		For >100, Deduct	-70.55	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	502.91	66.18
		For >25 To 50, Deduct	-24.75	
		For >50 To 100, Deduct	-45.66	
		For >100, Deduct	-72.13	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	519.17	69.05
		For >25 To 50, Deduct	-25.60	
		For >50 To 100, Deduct	-47.15	
		For >100, Deduct	-74.42	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	575.06	69.05
		For >25 To 50, Deduct	-27.84	
		For >50 To 100, Deduct	-52.04	
		For >100, Deduct	-82.81	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	694.23	71.93
		For >25 To 50, Deduct	-32.80	
		For >50 To 100, Deduct	-62.54	
		For >100, Deduct	-100.54	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	721.77	71.93
		For >25 To 50, Deduct	-33.91	
		For >50 To 100, Deduct	-64.95	
		For >100, Deduct	-104.67	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	776.84	71.93
		For >25 To 50, Deduct	-36.11	
		For >50 To 100, Deduct	-69.77	
		For >100, Deduct	-112.93	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	488.85	63.30
		For >25 To 50, Deduct	-23.99	
		For >50 To 100, Deduct	-44.36	
		For >100, Deduct	-70.16	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	488.86	63.30
		For >25 To 50, Deduct	-23.99	
		For >50 To 100, Deduct	-44.36	
		For >100, Deduct	-70.16	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	508.22	66.18
		For >25 To 50, Deduct	-24.96	
		For >50 To 100, Deduct	-46.12	
		For >100, Deduct	-72.92	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	513.32	66.18
		For >25 To 50, Deduct	-25.17	
		For >50 To 100, Deduct	-46.57	
		For >100, Deduct	-73.69	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	524.46	66.18
		For >25 To 50, Deduct	-25.61	
		For >50 To 100, Deduct	-47.54	
		For >100, Deduct	-75.36	



Openings			08
Doors and Frames			08 10
Wood Doors			08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	541.34	69.05
			For >25 To 50, Deduct	-26.49	
			For >50 To 100, Deduct	-49.09	
			For >100, Deduct	-77.75	
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	600.49	69.05
			For >25 To 50, Deduct	-28.85	
			For >50 To 100, Deduct	-54.27	
			For >100, Deduct	-86.62	
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	726.27	71.93
			For >25 To 50, Deduct	-34.09	
			For >50 To 100, Deduct	-65.35	
			For >100, Deduct	-105.34	
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	755.42	71.93
			For >25 To 50, Deduct	-35.25	
			For >50 To 100, Deduct	-67.90	
			For >100, Deduct	-109.72	
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	813.68	71.93
			For >25 To 50, Deduct	-37.58	
			For >50 To 100, Deduct	-73.00	
			For >100, Deduct	-118.46	
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	559.47	63.30
			For >25 To 50, Deduct	-26.81	
			For >50 To 100, Deduct	-50.54	
			For >100, Deduct	-80.76	
			For 9' Door Height, Add	90.90	
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	559.51	63.30
			For >25 To 50, Deduct	-26.81	
			For >50 To 100, Deduct	-50.54	
			For >100, Deduct	-80.76	
			For 9' Door Height, Add	90.91	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	581.52	66.18
			For >25 To 50, Deduct	-27.89	
			For >50 To 100, Deduct	-52.54	
			For >100, Deduct	-83.92	
			For 9' Door Height, Add	94.33	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	587.59	66.18
			For >25 To 50, Deduct	-28.14	
			For >50 To 100, Deduct	-53.07	
			For >100, Deduct	-84.83	
			For 9' Door Height, Add	95.60	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	600.92	66.18
			For >25 To 50, Deduct	-28.67	
			For >50 To 100, Deduct	-54.23	
			For >100, Deduct	-86.83	
			For 9' Door Height, Add	98.40	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	619.98	69.05
			For >25 To 50, Deduct	-29.63	
			For >50 To 100, Deduct	-55.97	
			For >100, Deduct	-89.54	
			For 9' Door Height, Add	101.19	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	690.68	69.05
			For >25 To 50, Deduct	-32.46	
			For >50 To 100, Deduct	-62.16	
			For >100, Deduct	-100.15	
			For 9' Door Height, Add	116.04	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	839.84	71.93
			For >25 To 50, Deduct	-38.63	
			For >50 To 100, Deduct	-75.28	
			For >100, Deduct	-122.38	
			For 9' Door Height, Add	146.16	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	874.69	71.93
			For >25 To 50, Deduct	-40.02	
			For >50 To 100, Deduct	-78.33	
			For >100, Deduct	-127.61	
			For 9' Door Height, Add	153.47	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	944.31	71.93
			For >25 To 50, Deduct	-42.81	
			For >50 To 100, Deduct	-84.43	
			For >100, Deduct	-138.05	
			For 9' Door Height, Add	168.09	
08 14 16 00-0190 Maple Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	377.46	63.30
			For >25 To 50, Deduct	-19.53	
			For >50 To 100, Deduct	-34.61	
			For >100, Deduct	-53.45	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	377.46	63.30
			For >25 To 50, Deduct	-19.53	
			For >50 To 100, Deduct	-34.61	
			For >100, Deduct	-53.45	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.63	66.18
			For >25 To 50, Deduct	-20.34	
			For >50 To 100, Deduct	-36.01	
			For >100, Deduct	-55.59	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.31	66.18
			For >25 To 50, Deduct	-20.48	
			For >50 To 100, Deduct	-36.33	
			For >100, Deduct	-56.14	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	403.95	66.18
			For >25 To 50, Deduct	-20.79	
			For >50 To 100, Deduct	-37.00	
			For >100, Deduct	-57.28	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.33	69.05
			For >25 To 50, Deduct	-21.53	
			For >50 To 100, Deduct	-38.24	
			For >100, Deduct	-59.15	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	458.30	69.05
			For >25 To 50, Deduct	-23.17	
			For >50 To 100, Deduct	-41.83	
			For >100, Deduct	-65.29	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	527.11	71.93
			For >25 To 50, Deduct	-26.12	
			For >50 To 100, Deduct	-47.92	
			For >100, Deduct	-75.47	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	567.33	71.93
			For >25 To 50, Deduct	-27.73	
			For >50 To 100, Deduct	-51.44	
			For >100, Deduct	-81.50	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	607.69	71.93
			For >25 To 50, Deduct	-29.34	
			For >50 To 100, Deduct	-54.97	
			For >100, Deduct	-87.56	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.07	63.30
			For >25 To 50, Deduct	-20.11	
			For >50 To 100, Deduct	-35.89	
			For >100, Deduct	-55.65	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.07	63.30
			For >25 To 50, Deduct	-20.11	
			For >50 To 100, Deduct	-35.89	
			For >100, Deduct	-55.65	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	407.76	66.18
			For >25 To 50, Deduct	-20.94	
			For >50 To 100, Deduct	-37.33	
			For >100, Deduct	-57.86	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	411.68	66.18
			For >25 To 50, Deduct	-21.10	
			For >50 To 100, Deduct	-37.68	
			For >100, Deduct	-58.44	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	419.75	66.18
			For >25 To 50, Deduct	-21.42	
			For >50 To 100, Deduct	-38.38	
			For >100, Deduct	-59.65	
08 14 16 00-0206	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	433.57	69.05
			For >25 To 50, Deduct	-22.18	
			For >50 To 100, Deduct	-39.66	
			For >100, Deduct	-61.58	
08 14 16 00-0207	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	476.93	69.05
			For >25 To 50, Deduct	-23.91	
			For >50 To 100, Deduct	-43.46	
			For >100, Deduct	-68.09	
08 14 16 00-0208	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	549.31	71.93
			For >25 To 50, Deduct	-27.01	
			For >50 To 100, Deduct	-49.86	
			For >100, Deduct	-78.80	
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	592.01	71.93
			For >25 To 50, Deduct	-28.72	
			For >50 To 100, Deduct	-53.60	
			For >100, Deduct	-85.21	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	634.68	71.93
			For >25 To 50, Deduct	-30.42	
			For >50 To 100, Deduct	-57.33	
			For >100, Deduct	-91.61	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	443.83	63.30
			For >25 To 50, Deduct	-22.18	
			For >50 To 100, Deduct	-40.42	
			For >100, Deduct	-63.41	
			For 9' Door Height, Add	66.62	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	443.83	63.30
			For >25 To 50, Deduct	-22.18	
			For >50 To 100, Deduct	-40.42	
			For >100, Deduct	-63.41	
			For 9' Door Height, Add	66.62	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	461.47	66.18
			For >25 To 50, Deduct	-23.09	
			For >50 To 100, Deduct	-42.03	
			For >100, Deduct	-65.91	
			For 9' Door Height, Add	69.12	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	466.15	66.18
			For >25 To 50, Deduct	-23.28	
			For >50 To 100, Deduct	-42.44	
			For >100, Deduct	-66.61	
			For 9' Door Height, Add	70.10	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	475.76	66.18
			For >25 To 50, Deduct	-23.66	
			For >50 To 100, Deduct	-43.28	
			For >100, Deduct	-68.06	
			For 9' Door Height, Add	72.12	
08 14 16 00-0216	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	491.19	69.05
			For >25 To 50, Deduct	-24.48	
			For >50 To 100, Deduct	-44.71	
			For >100, Deduct	-70.23	
			For 9' Door Height, Add	74.15	
08 14 16 00-0217	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	542.98	69.05
			For >25 To 50, Deduct	-26.55	
			For >50 To 100, Deduct	-49.24	
			For >100, Deduct	-77.99	
			For 9' Door Height, Add	85.02	
08 14 16 00-0218	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	628.40	71.93
			For >25 To 50, Deduct	-30.17	
			For >50 To 100, Deduct	-56.78	
			For >100, Deduct	-90.66	
			For 9' Door Height, Add	101.75	
08 14 16 00-0219	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	679.40	71.93
			For >25 To 50, Deduct	-32.21	
			For >50 To 100, Deduct	-61.25	
			For >100, Deduct	-98.31	
			For 9' Door Height, Add	112.46	
08 14 16 00-0220	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	730.42	71.93
			For >25 To 50, Deduct	-34.25	
			For >50 To 100, Deduct	-65.71	
			For >100, Deduct	-105.97	
			For 9' Door Height, Add	123.18	
08 14 16 00-0221	Walnut Faced Wood Doors (08 14 16 00-0127)				
08 14 16 00-0222	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	590.37	63.30
			For >25 To 50, Deduct	-28.05	
			For >50 To 100, Deduct	-53.24	
			For >100, Deduct	-85.39	
08 14 16 00-0223	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	590.37	63.30
			For >25 To 50, Deduct	-28.05	
			For >50 To 100, Deduct	-53.24	
			For >100, Deduct	-85.39	
08 14 16 00-0224	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	599.33	66.18
			For >25 To 50, Deduct	-28.61	
			For >50 To 100, Deduct	-54.10	
			For >100, Deduct	-86.59	
08 14 16 00-0225	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	619.90	66.18
			For >25 To 50, Deduct	-29.43	
			For >50 To 100, Deduct	-55.90	
			For >100, Deduct	-89.68	
08 14 16 00-0226	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	623.04	66.18
			For >25 To 50, Deduct	-29.55	
			For >50 To 100, Deduct	-56.17	
			For >100, Deduct	-90.15	
08 14 16 00-0227	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	631.94	69.05
			For >25 To 50, Deduct	-30.11	
			For >50 To 100, Deduct	-57.02	
			For >100, Deduct	-91.34	
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	687.06	69.05
			For >25 To 50, Deduct	-32.32	
			For >50 To 100, Deduct	-61.84	
			For >100, Deduct	-99.61	
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	835.10	71.93
			For >25 To 50, Deduct	-38.44	
			For >50 To 100, Deduct	-74.87	
			For >100, Deduct	-121.67	
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	869.66	71.93
			For >25 To 50, Deduct	-39.82	
			For >50 To 100, Deduct	-77.89	
			For >100, Deduct	-126.85	
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	938.85	71.93
			For >25 To 50, Deduct	-42.59	
			For >50 To 100, Deduct	-83.95	
			For >100, Deduct	-137.23	
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	617.34	63.30
			For >25 To 50, Deduct	-29.12	
			For >50 To 100, Deduct	-55.60	
			For >100, Deduct	-89.44	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	617.34	63.30
			For >25 To 50, Deduct	-29.12	
			For >50 To 100, Deduct	-55.60	
			For >100, Deduct	-89.44	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	626.53	66.18
		For >25 To 50, Deduct	.....	-29.69	
		For >50 To 100, Deduct	.....	-56.48	
		For >100, Deduct	.....	-90.67	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	648.26	66.18
		For >25 To 50, Deduct	.....	-30.56	
		For >50 To 100, Deduct	.....	-58.38	
		For >100, Deduct	.....	-93.93	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	651.61	66.18
		For >25 To 50, Deduct	.....	-30.70	
		For >50 To 100, Deduct	.....	-58.67	
		For >100, Deduct	.....	-94.43	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	660.69	69.05
		For >25 To 50, Deduct	.....	-31.26	
		For >50 To 100, Deduct	.....	-59.54	
		For >100, Deduct	.....	-95.65	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	718.99	69.05
		For >25 To 50, Deduct	.....	-33.59	
		For >50 To 100, Deduct	.....	-64.64	
		For >100, Deduct	.....	-104.40	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	875.34	71.93
		For >25 To 50, Deduct	.....	-40.05	
		For >50 To 100, Deduct	.....	-78.39	
		For >100, Deduct	.....	-127.70	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	911.91	71.93
		For >25 To 50, Deduct	.....	-41.51	
		For >50 To 100, Deduct	.....	-81.59	
		For >100, Deduct	.....	-133.19	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	985.10	71.93
		For >25 To 50, Deduct	.....	-44.44	
		For >50 To 100, Deduct	.....	-87.99	
		For >100, Deduct	.....	-144.17	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	713.04	63.30
		For >25 To 50, Deduct	.....	-32.95	
		For >50 To 100, Deduct	.....	-63.97	
		For >100, Deduct	.....	-103.79	
		For 9' Door Height, Add	.....	123.15	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	713.04	63.30
		For >25 To 50, Deduct	.....	-32.95	
		For >50 To 100, Deduct	.....	-63.97	
		For >100, Deduct	.....	-103.79	
		For 9' Door Height, Add	.....	123.15	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	722.91	66.18
		For >25 To 50, Deduct	.....	-33.55	
		For >50 To 100, Deduct	.....	-64.91	
		For >100, Deduct	.....	-105.13	
		For 9' Door Height, Add	.....	124.02	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	748.86	66.18
		For >25 To 50, Deduct	.....	-34.59	
		For >50 To 100, Deduct	.....	-67.18	
		For >100, Deduct	.....	-109.02	
		For 9' Door Height, Add	.....	129.47	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	752.86	66.18
		For >25 To 50, Deduct	.....	-34.75	
		For >50 To 100, Deduct	.....	-67.53	
		For >100, Deduct	.....	-109.62	
		For 9' Door Height, Add	.....	130.31	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	762.58	69.05
		For >25 To 50, Deduct	.....	-35.34	
		For >50 To 100, Deduct	.....	-68.45	
		For >100, Deduct	.....	-110.93	
		For 9' Door Height, Add	.....	131.14	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	832.28	69.05
		For >25 To 50, Deduct	.....	-38.13	
		For >50 To 100, Deduct	.....	-74.55	
		For >100, Deduct	.....	-121.39	
		For 9' Door Height, Add	.....	145.78	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,017.97	71.93
		For >25 To 50, Deduct	.....	-45.75	
		For >50 To 100, Deduct	.....	-90.87	
		For >100, Deduct	.....	-149.10	
		For 9' Door Height, Add	.....	183.56	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,061.69	71.93
		For >25 To 50, Deduct	.....	-47.50	
		For >50 To 100, Deduct	.....	-94.70	
		For >100, Deduct	.....	-155.66	
		For 9' Door Height, Add	.....	192.74	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,149.12	71.93
		For >25 To 50, Deduct	.....	-51.00	
		For >50 To 100, Deduct	.....	-102.35	
		For >100, Deduct	.....	-168.77	
		For 9' Door Height, Add	.....	211.10	

08 14 16 00-0252 Luan Faced Wood Doors (08 14 16 00-0127)



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	242.70	63.30
			For >25 To 50, Deduct	-14.14	
			For >50 To 100, Deduct	-22.82	
			For >100, Deduct	-33.24	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	242.70	63.30
			For >25 To 50, Deduct	-14.14	
			For >50 To 100, Deduct	-22.82	
			For >100, Deduct	-33.24	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.42	66.18
			For >25 To 50, Deduct	-14.89	
			For >50 To 100, Deduct	-24.09	
			For >100, Deduct	-35.15	
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.91	66.18
			For >25 To 50, Deduct	-15.15	
			For >50 To 100, Deduct	-24.66	
			For >100, Deduct	-36.13	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.20	66.18
			For >25 To 50, Deduct	-15.20	
			For >50 To 100, Deduct	-24.77	
			For >100, Deduct	-36.32	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.25	69.05
			For >25 To 50, Deduct	-15.68	
			For >50 To 100, Deduct	-25.46	
			For >100, Deduct	-37.23	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.88	69.05
			For >25 To 50, Deduct	-16.27	
			For >50 To 100, Deduct	-26.74	
			For >100, Deduct	-39.43	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.50	71.93
			For >25 To 50, Deduct	-17.46	
			For >50 To 100, Deduct	-28.97	
			For >100, Deduct	-42.98	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	318.81	71.93
			For >25 To 50, Deduct	-17.79	
			For >50 To 100, Deduct	-29.69	
			For >100, Deduct	-44.23	
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	335.49	71.93
			For >25 To 50, Deduct	-18.45	
			For >50 To 100, Deduct	-31.15	
			For >100, Deduct	-46.73	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	249.44	63.30
			For >25 To 50, Deduct	-14.41	
			For >50 To 100, Deduct	-23.41	
			For >100, Deduct	-34.25	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	249.44	63.30
			For >25 To 50, Deduct	-14.41	
			For >50 To 100, Deduct	-23.41	
			For >100, Deduct	-34.25	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	263.65	66.18
			For >25 To 50, Deduct	-15.18	
			For >50 To 100, Deduct	-24.72	
			For >100, Deduct	-36.24	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	270.52	66.18
			For >25 To 50, Deduct	-15.45	
			For >50 To 100, Deduct	-25.32	
			For >100, Deduct	-37.27	
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	271.88	66.18
			For >25 To 50, Deduct	-15.51	
			For >50 To 100, Deduct	-25.44	
			For >100, Deduct	-37.47	
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	278.99	69.05
			For >25 To 50, Deduct	-15.99	
			For >50 To 100, Deduct	-26.14	
			For >100, Deduct	-38.40	
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	294.49	69.05
			For >25 To 50, Deduct	-16.61	
			For >50 To 100, Deduct	-27.49	
			For >100, Deduct	-40.72	
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	320.19	71.93
			For >25 To 50, Deduct	-17.84	
			For >50 To 100, Deduct	-29.81	
			For >100, Deduct	-44.43	
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	328.99	71.93
			For >25 To 50, Deduct	-18.19	
			For >50 To 100, Deduct	-30.58	
			For >100, Deduct	-45.75	
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	346.63	71.93
			For >25 To 50, Deduct	-18.90	
			For >50 To 100, Deduct	-32.13	
			For >100, Deduct	-48.40	
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	273.39	63.30
			For >25 To 50, Deduct	-15.37	
			For >50 To 100, Deduct	-25.50	
			For >100, Deduct	-37.84	
			For 9' Door Height, Add	30.82	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	273.39	63.30	
		For >25 To 50, Deduct	-15.37		
		For >50 To 100, Deduct	-25.50		
		For >100, Deduct	-37.84		
		For 9' Door Height, Add	30.82		
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	289.24	66.18	
		For >25 To 50, Deduct	-16.20		
		For >50 To 100, Deduct	-26.96		
		For >100, Deduct	-40.08		
		For 9' Door Height, Add	32.95		
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	297.45	66.18	
		For >25 To 50, Deduct	-16.53		
		For >50 To 100, Deduct	-27.68		
		For >100, Deduct	-41.31		
		For 9' Door Height, Add	34.67		
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	299.09	66.18	
		For >25 To 50, Deduct	-16.60		
		For >50 To 100, Deduct	-27.82		
		For >100, Deduct	-41.55		
		For 9' Door Height, Add	35.02		
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	306.47	69.05	
		For >25 To 50, Deduct	-17.09		
		For >50 To 100, Deduct	-28.54		
		For >100, Deduct	-42.52		
		For 9' Door Height, Add	35.36		
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	324.99	69.05	
		For >25 To 50, Deduct	-17.83		
		For >50 To 100, Deduct	-30.16		
		For >100, Deduct	-45.30		
		For 9' Door Height, Add	39.24		
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	354.56	71.93	
		For >25 To 50, Deduct	-19.22		
		For >50 To 100, Deduct	-32.82		
		For >100, Deduct	-49.59		
		For 9' Door Height, Add	44.25		
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	365.10	71.93	
		For >25 To 50, Deduct	-19.64		
		For >50 To 100, Deduct	-33.74		
		For >100, Deduct	-51.17		
		For 9' Door Height, Add	46.46		
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	386.17	71.93	
		For >25 To 50, Deduct	-20.48		
		For >50 To 100, Deduct	-35.59		
		For >100, Deduct	-54.33		
		For 9' Door Height, Add	50.89		
08 14 16 00-0283		Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0127)			
08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	271.37	63.30	
		For >25 To 50, Deduct	-15.29		
		For >50 To 100, Deduct	-25.33		
		For >100, Deduct	-37.54		
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	271.41	63.30	
		For >25 To 50, Deduct	-15.29		
		For >50 To 100, Deduct	-25.33		
		For >100, Deduct	-37.55		
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	281.15	66.18	
		For >25 To 50, Deduct	-15.88		
		For >50 To 100, Deduct	-26.26		
		For >100, Deduct	-38.86		
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	289.22	66.18	
		For >25 To 50, Deduct	-16.20		
		For >50 To 100, Deduct	-26.96		
		For >100, Deduct	-40.07		
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.25	66.18	
		For >25 To 50, Deduct	-16.36		
		For >50 To 100, Deduct	-27.31		
		For >100, Deduct	-40.68		
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	302.99	69.05	
		For >25 To 50, Deduct	-16.95		
		For >50 To 100, Deduct	-28.24		
		For >100, Deduct	-42.00		
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.18	69.05	
		For >25 To 50, Deduct	-17.32		
		For >50 To 100, Deduct	-29.04		
		For >100, Deduct	-43.37		
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	347.84	71.93	
		For >25 To 50, Deduct	-18.95		
		For >50 To 100, Deduct	-32.23		
		For >100, Deduct	-48.58		
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	358.03	71.93	
		For >25 To 50, Deduct	-19.36		
		For >50 To 100, Deduct	-33.13		
		For >100, Deduct	-50.11		



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	378.46	71.93
			For >25 To 50, Deduct	-20.17	
			For >50 To 100, Deduct	-34.91	
			For >100, Deduct	-53.17	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.81	63.30
			For >25 To 50, Deduct	-15.62	
			For >50 To 100, Deduct	-26.07	
			For >100, Deduct	-38.81	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.82	63.30
			For >25 To 50, Deduct	-15.62	
			For >50 To 100, Deduct	-26.07	
			For >100, Deduct	-38.81	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	289.80	66.18
			For >25 To 50, Deduct	-16.22	
			For >50 To 100, Deduct	-27.01	
			For >100, Deduct	-40.16	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.34	66.18
			For >25 To 50, Deduct	-16.57	
			For >50 To 100, Deduct	-27.76	
			For >100, Deduct	-41.44	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.61	66.18
			For >25 To 50, Deduct	-16.74	
			For >50 To 100, Deduct	-28.13	
			For >100, Deduct	-42.08	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	312.59	69.05
			For >25 To 50, Deduct	-17.34	
			For >50 To 100, Deduct	-29.08	
			For >100, Deduct	-43.44	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	322.32	69.05
			For >25 To 50, Deduct	-17.73	
			For >50 To 100, Deduct	-29.93	
			For >100, Deduct	-44.90	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	359.72	71.93
			For >25 To 50, Deduct	-19.42	
			For >50 To 100, Deduct	-33.27	
			For >100, Deduct	-50.36	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	370.51	71.93
			For >25 To 50, Deduct	-19.86	
			For >50 To 100, Deduct	-34.22	
			For >100, Deduct	-51.98	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	392.10	71.93
			For >25 To 50, Deduct	-20.72	
			For >50 To 100, Deduct	-36.11	
			For >100, Deduct	-55.22	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	309.69	63.30
			For >25 To 50, Deduct	-16.82	
			For >50 To 100, Deduct	-28.68	
			For >100, Deduct	-43.29	
			For 9' Door Height, Add	38.45	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	309.69	63.30
			For >25 To 50, Deduct	-16.82	
			For >50 To 100, Deduct	-28.68	
			For >100, Deduct	-43.29	
			For 9' Door Height, Add	38.45	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	320.50	66.18
			For >25 To 50, Deduct	-17.45	
			For >50 To 100, Deduct	-29.70	
			For >100, Deduct	-44.77	
			For 9' Door Height, Add	39.51	
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	330.70	66.18
			For >25 To 50, Deduct	-17.86	
			For >50 To 100, Deduct	-30.59	
			For >100, Deduct	-46.30	
			For 9' Door Height, Add	41.65	
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	335.80	66.18
			For >25 To 50, Deduct	-18.06	
			For >50 To 100, Deduct	-31.04	
			For >100, Deduct	-47.06	
			For 9' Door Height, Add	42.72	
08 14 16 00-0309	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	346.62	69.05
			For >25 To 50, Deduct	-18.70	
			For >50 To 100, Deduct	-32.06	
			For >100, Deduct	-48.54	
			For 9' Door Height, Add	43.79	
08 14 16 00-0310	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	358.26	69.05
			For >25 To 50, Deduct	-19.16	
			For >50 To 100, Deduct	-33.07	
			For >100, Deduct	-50.29	
			For 9' Door Height, Add	46.23	
08 14 16 00-0311	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	401.83	71.93
			For >25 To 50, Deduct	-21.11	
			For >50 To 100, Deduct	-36.96	
			For >100, Deduct	-56.68	
			For 9' Door Height, Add	54.17	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0312	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	414.71 -21.62 -38.09 -58.61 56.88	71.93
08 14 16 00-0313	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	440.52 -22.66 -40.34 -62.48 62.30	71.93
08 14 16 00-0314			1-3/8" Thick, Particleboard Core (PC), Wood Doors (08 14 16) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0315			Birch Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0316	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	294.57 -3.36 125.97 75.58 -16.21 -27.36 -41.02	63.30
08 14 16 00-0317	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	294.60 -3.36 125.99 75.60 -16.22 -27.36 -41.02	63.30
08 14 16 00-0318	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	309.15 -3.54 132.60 79.56 -17.00 -28.71 -43.06	66.18
08 14 16 00-0319	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	317.96 -3.71 139.21 83.52 -17.35 -29.48 -44.39	66.18
08 14 16 00-0320	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	323.33 -3.82 143.24 85.94 -17.57 -29.95 -45.19	66.18
08 14 16 00-0321	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	334.49 -3.93 147.29 88.37 -18.21 -30.99 -46.72	69.05
08 14 16 00-0322	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	356.03 -4.36 163.44 98.06 -19.08 -32.88 -49.95	69.05
08 14 16 00-0323	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	375.72 -4.64 173.90 104.34 -20.06 -34.67 -52.76	71.93
08 14 16 00-0324	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	304.35 -3.55 133.31 79.98 -16.61 -28.21 -42.49	63.30
08 14 16 00-0325	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	304.36 -3.56 133.31 79.99 -16.61 -28.21 -42.49	63.30



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	319.44	66.18
		For 7 Ply Cold Press Construction, Deduct		-3.74	
		For Stave Lumber Core (SLC), Add		140.32	
		For Structural Composite Lumber Core (SCLC), Add		84.19	
		For >25 To 50, Deduct		-17.41	
		For >50 To 100, Deduct		-29.61	
		For >100, Deduct		-44.61	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	328.77	66.18
		For 7 Ply Cold Press Construction, Deduct		-3.93	
		For Stave Lumber Core (SLC), Add		147.32	
		For Structural Composite Lumber Core (SCLC), Add		88.39	
		For >25 To 50, Deduct		-17.78	
		For >50 To 100, Deduct		-30.42	
		For >100, Deduct		-46.01	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	334.46	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.04	
		For Stave Lumber Core (SLC), Add		151.58	
		For Structural Composite Lumber Core (SCLC), Add		90.95	
		For >25 To 50, Deduct		-18.01	
		For >50 To 100, Deduct		-30.92	
		For >100, Deduct		-46.86	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	345.91	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.16	
		For Stave Lumber Core (SLC), Add		155.85	
		For Structural Composite Lumber Core (SCLC), Add		93.51	
		For >25 To 50, Deduct		-18.67	
		For >50 To 100, Deduct		-31.99	
		For >100, Deduct		-48.43	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	368.72	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.61	
		For Stave Lumber Core (SLC), Add		172.96	
		For Structural Composite Lumber Core (SCLC), Add		103.77	
		For >25 To 50, Deduct		-19.58	
		For >50 To 100, Deduct		-33.99	
		For >100, Deduct		-51.86	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	389.21	71.93
		For 7 Ply Cold Press Construction, Deduct		-4.91	
		For Stave Lumber Core (SLC), Add		184.01	
		For Structural Composite Lumber Core (SCLC), Add		110.41	
		For >25 To 50, Deduct		-20.60	
		For >50 To 100, Deduct		-35.85	
		For >100, Deduct		-54.79	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	339.02	63.30
		For 7 Ply Cold Press Construction, Deduct		-4.25	
		For Stave Lumber Core (SLC), Add		159.31	
		For Structural Composite Lumber Core (SCLC), Add		95.58	
		For >25 To 50, Deduct		-17.99	
		For >50 To 100, Deduct		-31.25	
		For >100, Deduct		-47.69	
		For 9' Door Height, Add		44.61	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	339.02	63.30
		For 7 Ply Cold Press Construction, Deduct		-4.25	
		For Stave Lumber Core (SLC), Add		159.31	
		For Structural Composite Lumber Core (SCLC), Add		95.58	
		For >25 To 50, Deduct		-17.99	
		For >50 To 100, Deduct		-31.25	
		For >100, Deduct		-47.69	
		For 9' Door Height, Add		44.61	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	355.92	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.47	
		For Stave Lumber Core (SLC), Add		167.68	
		For Structural Composite Lumber Core (SCLC), Add		100.61	
		For >25 To 50, Deduct		-18.87	
		For >50 To 100, Deduct		-32.80	
		For >100, Deduct		-50.08	
		For 9' Door Height, Add		46.95	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	367.07	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.69	
		For Stave Lumber Core (SLC), Add		176.04	
		For Structural Composite Lumber Core (SCLC), Add		105.62	
		For >25 To 50, Deduct		-19.32	
		For >50 To 100, Deduct		-33.77	
		For >100, Deduct		-51.75	
		For 9' Door Height, Add		49.29	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	373.86	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.83	
		For Stave Lumber Core (SLC), Add		181.13	
		For Structural Composite Lumber Core (SCLC), Add		108.68	
		For >25 To 50, Deduct		-19.59	
		For >50 To 100, Deduct		-34.37	
		For >100, Deduct		-52.77	
		For 9' Door Height, Add		50.72	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	386.44 -4.97 186.25 111.75 -20.29 -35.54 -54.51 52.15	69.05
08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	413.68 -5.51 206.68 124.01 -21.38 -37.92 -58.60 57.87	69.05
08 14 16 00-0339	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	437.05 -5.86 219.89 131.94 -22.52 -40.04 -61.96 61.57	71.93
08 14 16 00-0340 Oak Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0341	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	421.07 -5.89 220.85 132.51 -21.27 -38.43 -60.00	63.30
08 14 16 00-0342	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	421.07 -5.89 220.85 132.51 -21.27 -38.43 -60.00	63.30
08 14 16 00-0343	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	442.31 -6.20 232.47 139.48 -22.32 -40.36 -63.04	66.18
08 14 16 00-0344	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	457.77 -6.51 244.07 146.44 -22.94 -41.71 -65.36	66.18
08 14 16 00-0345	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	467.18 -6.70 251.12 150.67 -23.32 -42.53 -66.77	66.18
08 14 16 00-0346	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	482.40 -6.89 258.22 154.93 -24.13 -43.94 -68.91	69.05
08 14 16 00-0347	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	520.17 -7.64 286.55 171.93 -25.64 -47.24 -74.57	69.05
08 14 16 00-0348	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	550.33 -8.13 304.85 182.91 -27.05 -49.95 -78.95	71.93



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	438.20	63.30
		For 7 Ply Cold Press Construction, Deduct	.....	-6.23	
		For Stave Lumber Core (SLC), Add	.....	233.69	
		For Structural Composite Lumber Core (SCLC), Add	.....	140.22	
		For >25 To 50, Deduct	.....	-21.96	
		For >50 To 100, Deduct	.....	-39.93	
		For >100, Deduct	.....	-62.56	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	438.20	63.30
		For 7 Ply Cold Press Construction, Deduct	.....	-6.23	
		For Stave Lumber Core (SLC), Add	.....	233.69	
		For Structural Composite Lumber Core (SCLC), Add	.....	140.22	
		For >25 To 50, Deduct	.....	-21.96	
		For >50 To 100, Deduct	.....	-39.93	
		For >100, Deduct	.....	-62.56	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	460.37	66.18
		For 7 Ply Cold Press Construction, Deduct	.....	-6.56	
		For Stave Lumber Core (SLC), Add	.....	246.02	
		For Structural Composite Lumber Core (SCLC), Add	.....	147.61	
		For >25 To 50, Deduct	.....	-23.05	
		For >50 To 100, Deduct	.....	-41.94	
		For >100, Deduct	.....	-65.75	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	476.72	66.18
		For 7 Ply Cold Press Construction, Deduct	.....	-6.89	
		For Stave Lumber Core (SLC), Add	.....	258.28	
		For Structural Composite Lumber Core (SCLC), Add	.....	154.97	
		For >25 To 50, Deduct	.....	-23.70	
		For >50 To 100, Deduct	.....	-43.37	
		For >100, Deduct	.....	-68.20	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	486.67	66.18
		For 7 Ply Cold Press Construction, Deduct	.....	-7.09	
		For Stave Lumber Core (SLC), Add	.....	265.74	
		For Structural Composite Lumber Core (SCLC), Add	.....	159.44	
		For >25 To 50, Deduct	.....	-24.10	
		For >50 To 100, Deduct	.....	-44.24	
		For >100, Deduct	.....	-69.69	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	502.43	69.05
		For 7 Ply Cold Press Construction, Deduct	.....	-7.29	
		For Stave Lumber Core (SLC), Add	.....	273.24	
		For Structural Composite Lumber Core (SCLC), Add	.....	163.94	
		For >25 To 50, Deduct	.....	-24.93	
		For >50 To 100, Deduct	.....	-45.69	
		For >100, Deduct	.....	-71.91	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	542.41	69.05
		For 7 Ply Cold Press Construction, Deduct	.....	-8.09	
		For Stave Lumber Core (SLC), Add	.....	303.23	
		For Structural Composite Lumber Core (SCLC), Add	.....	181.94	
		For >25 To 50, Deduct	.....	-26.53	
		For >50 To 100, Deduct	.....	-49.19	
		For >100, Deduct	.....	-77.91	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	574.01	71.93
		For 7 Ply Cold Press Construction, Deduct	.....	-8.60	
		For Stave Lumber Core (SLC), Add	.....	322.61	
		For Structural Composite Lumber Core (SCLC), Add	.....	193.57	
		For >25 To 50, Deduct	.....	-28.00	
		For >50 To 100, Deduct	.....	-52.02	
		For >100, Deduct	.....	-82.51	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	498.95	63.30
		For 7 Ply Cold Press Construction, Deduct	.....	-7.45	
		For Stave Lumber Core (SLC), Add	.....	279.26	
		For Structural Composite Lumber Core (SCLC), Add	.....	167.55	
		For >25 To 50, Deduct	.....	-24.39	
		For >50 To 100, Deduct	.....	-45.24	
		For >100, Deduct	.....	-71.68	
		For 9' Door Height, Add	.....	78.19	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	498.95	63.30
		For 7 Ply Cold Press Construction, Deduct	.....	-7.45	
		For Stave Lumber Core (SLC), Add	.....	279.26	
		For Structural Composite Lumber Core (SCLC), Add	.....	167.55	
		For >25 To 50, Deduct	.....	-24.39	
		For >50 To 100, Deduct	.....	-45.24	
		For >100, Deduct	.....	-71.68	
		For 9' Door Height, Add	.....	78.19	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	524.33	66.18
		For 7 Ply Cold Press Construction, Deduct	.....	-7.84	
		For Stave Lumber Core (SLC), Add	.....	293.99	
		For Structural Composite Lumber Core (SCLC), Add	.....	176.39	
		For >25 To 50, Deduct	.....	-25.61	
		For >50 To 100, Deduct	.....	-47.53	
		For >100, Deduct	.....	-75.34	
		For 9' Door Height, Add	.....	82.32	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	543.86 -8.23 308.63 185.18 -26.39 -49.24 -78.27 86.42	66.18
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	555.76 -8.47 317.56 190.53 -26.86 -50.28 -80.06 88.92	66.18
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	573.49 -8.71 326.54 195.92 -27.77 -51.91 -82.57 91.43	69.05
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	621.26 -9.66 362.36 217.42 -29.68 -56.09 -89.74 101.46	69.05
08 14 16 00-0364	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	657.89 -10.28 385.52 231.31 -31.35 -59.36 -95.09 107.95	71.93
08 14 16 00-0365 Maple Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0366	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.32 -4.97 186.53 111.92 -19.44 -34.42 -53.13	63.30
08 14 16 00-0367	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.32 -4.97 186.53 111.92 -19.44 -34.42 -53.13	63.30
08 14 16 00-0368	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	394.15 -5.24 196.35 117.81 -20.40 -36.14 -55.81	66.18
08 14 16 00-0369	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	407.21 -5.50 206.15 123.69 -20.92 -37.29 -57.77	66.18
08 14 16 00-0370	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.15 -5.66 212.10 127.26 -21.24 -37.98 -58.96	66.18
08 14 16 00-0371	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	428.90 -5.82 218.09 130.86 -21.99 -39.26 -60.88	69.05



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0372	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	460.81	69.05
			For 7 Ply Cold Press Construction, Deduct	-6.45	
			For Stave Lumber Core (SLC), Add	242.03	
			For Structural Composite Lumber Core (SCLC), Add	145.22	
			For >25 To 50, Deduct	-23.27	
			For >50 To 100, Deduct	-42.05	
			For >100, Deduct	-65.67	
08 14 16 00-0373	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.17	71.93
			For 7 Ply Cold Press Construction, Deduct	-6.87	
			For Stave Lumber Core (SLC), Add	257.48	
			For Structural Composite Lumber Core (SCLC), Add	154.49	
			For >25 To 50, Deduct	-24.52	
			For >50 To 100, Deduct	-44.43	
			For >100, Deduct	-69.48	
08 14 16 00-0374	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	389.78	63.30
			For 7 Ply Cold Press Construction, Deduct	-5.26	
			For Stave Lumber Core (SLC), Add	197.38	
			For Structural Composite Lumber Core (SCLC), Add	118.43	
			For >25 To 50, Deduct	-20.02	
			For >50 To 100, Deduct	-35.69	
			For >100, Deduct	-55.30	
08 14 16 00-0375	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	389.78	63.30
			For 7 Ply Cold Press Construction, Deduct	-5.26	
			For Stave Lumber Core (SLC), Add	197.38	
			For Structural Composite Lumber Core (SCLC), Add	118.43	
			For >25 To 50, Deduct	-20.02	
			For >50 To 100, Deduct	-35.69	
			For >100, Deduct	-55.30	
08 14 16 00-0376	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	409.40	66.18
			For 7 Ply Cold Press Construction, Deduct	-5.54	
			For Stave Lumber Core (SLC), Add	207.79	
			For Structural Composite Lumber Core (SCLC), Add	124.67	
			For >25 To 50, Deduct	-21.01	
			For >50 To 100, Deduct	-37.48	
			For >100, Deduct	-58.10	
08 14 16 00-0377	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	423.22	66.18
			For 7 Ply Cold Press Construction, Deduct	-5.82	
			For Stave Lumber Core (SLC), Add	218.15	
			For Structural Composite Lumber Core (SCLC), Add	130.89	
			For >25 To 50, Deduct	-21.56	
			For >50 To 100, Deduct	-38.69	
			For >100, Deduct	-60.17	
08 14 16 00-0378	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	431.62	66.18
			For 7 Ply Cold Press Construction, Deduct	-5.99	
			For Stave Lumber Core (SLC), Add	224.45	
			For Structural Composite Lumber Core (SCLC), Add	134.67	
			For >25 To 50, Deduct	-21.90	
			For >50 To 100, Deduct	-39.42	
			For >100, Deduct	-61.43	
08 14 16 00-0379	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	445.84	69.05
			For 7 Ply Cold Press Construction, Deduct	-6.15	
			For Stave Lumber Core (SLC), Add	230.80	
			For Structural Composite Lumber Core (SCLC), Add	138.48	
			For >25 To 50, Deduct	-22.67	
			For >50 To 100, Deduct	-40.74	
			For >100, Deduct	-63.42	
08 14 16 00-0380	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	479.60	69.05
			For 7 Ply Cold Press Construction, Deduct	-6.83	
			For Stave Lumber Core (SLC), Add	256.12	
			For Structural Composite Lumber Core (SCLC), Add	153.67	
			For >25 To 50, Deduct	-24.02	
			For >50 To 100, Deduct	-43.69	
			For >100, Deduct	-68.49	
08 14 16 00-0381	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	507.16	71.93
			For 7 Ply Cold Press Construction, Deduct	-7.27	
			For Stave Lumber Core (SLC), Add	272.48	
			For Structural Composite Lumber Core (SCLC), Add	163.49	
			For >25 To 50, Deduct	-25.32	
			For >50 To 100, Deduct	-46.17	
			For >100, Deduct	-72.48	
08 14 16 00-0382	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	441.10	63.30
			For 7 Ply Cold Press Construction, Deduct	-6.29	
			For Stave Lumber Core (SLC), Add	235.87	
			For Structural Composite Lumber Core (SCLC), Add	141.52	
			For >25 To 50, Deduct	-22.08	
			For >50 To 100, Deduct	-40.18	
			For >100, Deduct	-63.00	
			For 9' Door Height, Add	66.04	
08 14 16 00-0383	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	441.10	63.30
			For 7 Ply Cold Press Construction, Deduct	-6.29	
			For Stave Lumber Core (SLC), Add	235.87	
			For Structural Composite Lumber Core (SCLC), Add	141.52	
			For >25 To 50, Deduct	-22.08	
			For >50 To 100, Deduct	-40.18	
			For >100, Deduct	-63.00	
			For 9' Door Height, Add	66.04	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	463.42	66.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.62	
			<i>For Stave Lumber Core (SLC), Add</i>	248.30	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.98	
			<i>For >25 To 50, Deduct</i>	-23.17	
			<i>For >50 To 100, Deduct</i>	-42.20	
			<i>For >100, Deduct</i>	-66.20	
			<i>For 9' Door Height, Add</i>	69.52	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	479.92	66.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.95	
			<i>For Stave Lumber Core (SLC), Add</i>	260.68	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	156.41	
			<i>For >25 To 50, Deduct</i>	-23.83	
			<i>For >50 To 100, Deduct</i>	-43.65	
			<i>For >100, Deduct</i>	-68.68	
			<i>For 9' Door Height, Add</i>	72.99	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	489.98	66.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.15	
			<i>For Stave Lumber Core (SLC), Add</i>	268.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.93	
			<i>For >25 To 50, Deduct</i>	-24.23	
			<i>For >50 To 100, Deduct</i>	-44.53	
			<i>For >100, Deduct</i>	-70.19	
			<i>For 9' Door Height, Add</i>	75.10	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	505.83	69.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.35	
			<i>For Stave Lumber Core (SLC), Add</i>	275.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	165.47	
			<i>For >25 To 50, Deduct</i>	-25.07	
			<i>For >50 To 100, Deduct</i>	-45.99	
			<i>For >100, Deduct</i>	-72.42	
			<i>For 9' Door Height, Add</i>	77.22	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	546.19	69.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.16	
			<i>For Stave Lumber Core (SLC), Add</i>	306.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	183.64	
			<i>For >25 To 50, Deduct</i>	-26.68	
			<i>For >50 To 100, Deduct</i>	-49.52	
			<i>For >100, Deduct</i>	-78.48	
			<i>For 9' Door Height, Add</i>	85.70	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	578.01	71.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.68	
			<i>For Stave Lumber Core (SLC), Add</i>	325.61	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	195.37	
			<i>For >25 To 50, Deduct</i>	-28.16	
			<i>For >50 To 100, Deduct</i>	-52.37	
			<i>For >100, Deduct</i>	-83.11	
			<i>For 9' Door Height, Add</i>	91.17	
08 14 16 00-0390 Lauan Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	240.85	63.30
			<i>For >25 To 50, Deduct</i>	-14.07	
			<i>For >50 To 100, Deduct</i>	-22.66	
			<i>For >100, Deduct</i>	-32.96	
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	240.85	63.30
			<i>For >25 To 50, Deduct</i>	-14.07	
			<i>For >50 To 100, Deduct</i>	-22.66	
			<i>For >100, Deduct</i>	-32.96	
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	252.84	66.18
			<i>For >25 To 50, Deduct</i>	-14.75	
			<i>For >50 To 100, Deduct</i>	-23.78	
			<i>For >100, Deduct</i>	-34.62	
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	259.14	66.18
			<i>For >25 To 50, Deduct</i>	-15.00	
			<i>For >50 To 100, Deduct</i>	-24.33	
			<i>For >100, Deduct</i>	-35.56	
08 14 16 00-0395	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	262.30	66.18
			<i>For >25 To 50, Deduct</i>	-15.12	
			<i>For >50 To 100, Deduct</i>	-24.61	
			<i>For >100, Deduct</i>	-36.04	
08 14 16 00-0396	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	271.25	69.05
			<i>For >25 To 50, Deduct</i>	-15.68	
			<i>For >50 To 100, Deduct</i>	-25.46	
			<i>For >100, Deduct</i>	-37.23	
08 14 16 00-0397	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	285.87	69.05
			<i>For >25 To 50, Deduct</i>	-16.27	
			<i>For >50 To 100, Deduct</i>	-26.74	
			<i>For >100, Deduct</i>	-39.43	
08 14 16 00-0398	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	303.20	71.93
			<i>For >25 To 50, Deduct</i>	-17.16	
			<i>For >50 To 100, Deduct</i>	-28.33	
			<i>For >100, Deduct</i>	-41.88	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	247.50	63.30
		For >25 To 50, Deduct	-14.33	
		For >50 To 100, Deduct	-23.24	
		For >100, Deduct	-33.96	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	247.50	63.30
		For >25 To 50, Deduct	-14.33	
		For >50 To 100, Deduct	-23.24	
		For >100, Deduct	-33.96	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	259.86	66.18
		For >25 To 50, Deduct	-15.03	
		For >50 To 100, Deduct	-24.39	
		For >100, Deduct	-35.67	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	266.52	66.18
		For >25 To 50, Deduct	-15.29	
		For >50 To 100, Deduct	-24.97	
		For >100, Deduct	-36.67	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	269.88	66.18
		For >25 To 50, Deduct	-15.43	
		For >50 To 100, Deduct	-25.27	
		For >100, Deduct	-37.17	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	278.99	69.05
		For >25 To 50, Deduct	-15.99	
		For >50 To 100, Deduct	-26.14	
		For >100, Deduct	-38.40	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	294.48	69.05
		For >25 To 50, Deduct	-16.61	
		For >50 To 100, Deduct	-27.49	
		For >100, Deduct	-40.72	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	312.47	71.93
		For >25 To 50, Deduct	-17.53	
		For >50 To 100, Deduct	-29.14	
		For >100, Deduct	-43.27	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	271.08	63.30
		For >25 To 50, Deduct	-15.27	
		For >50 To 100, Deduct	-25.30	
		For >100, Deduct	-37.50	
		For 9' Door Height, Add	30.34	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	271.08	63.30
		For >25 To 50, Deduct	-15.27	
		For >50 To 100, Deduct	-25.30	
		For >100, Deduct	-37.50	
		For 9' Door Height, Add	30.34	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	284.72	66.18
		For >25 To 50, Deduct	-16.02	
		For >50 To 100, Deduct	-26.57	
		For >100, Deduct	-39.40	
		For 9' Door Height, Add	32.00	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	292.69	66.18
		For >25 To 50, Deduct	-16.34	
		For >50 To 100, Deduct	-27.26	
		For >100, Deduct	-40.59	
		For 9' Door Height, Add	33.67	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	296.70	66.18
		For >25 To 50, Deduct	-16.50	
		For >50 To 100, Deduct	-27.62	
		For >100, Deduct	-41.20	
		For 9' Door Height, Add	34.51	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	306.47	69.05
		For >25 To 50, Deduct	-17.09	
		For >50 To 100, Deduct	-28.54	
		For >100, Deduct	-42.52	
		For 9' Door Height, Add	35.36	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.97	69.05
		For >25 To 50, Deduct	-17.83	
		For >50 To 100, Deduct	-30.16	
		For >100, Deduct	-45.29	
		For 9' Door Height, Add	39.24	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	345.34	71.93
		For >25 To 50, Deduct	-18.85	
		For >50 To 100, Deduct	-32.02	
		For >100, Deduct	-48.20	
		For 9' Door Height, Add	42.31	
08 14 16 00-0415		Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	234.00	63.30
		For Stave Lumber Core (SLC), Add	80.54	
		For Structural Composite Lumber Core (SCLC), Add	48.33	
		For >25 To 50, Deduct	-13.79	
		For >50 To 100, Deduct	-22.06	
		For >100, Deduct	-31.93	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	234.00 80.54 48.33 -13.79 -22.06 -31.93	63.30
08 14 16 00-0418	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	245.98 85.22 51.13 -14.47 -23.18 -33.59	66.18
08 14 16 00-0419	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	252.20 89.89 53.93 -14.72 -23.72 -34.52	66.18
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	253.34 90.74 54.45 -14.77 -23.82 -34.69	66.18
08 14 16 00-0421	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	260.26 91.61 54.97 -15.24 -24.50 -35.59	69.05
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	273.73 101.72 61.03 -15.78 -25.68 -37.61	69.05
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	304.05 120.14 72.09 -17.20 -28.40 -42.01	71.93
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	240.25 85.23 51.14 -14.04 -22.60 -32.87	63.30
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	240.26 85.24 51.14 -14.04 -22.61 -32.87	63.30
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	252.59 90.18 54.11 -14.74 -23.76 -34.58	66.18
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	259.17 95.12 57.07 -15.00 -24.33 -35.57	66.18
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	260.38 96.02 57.61 -15.05 -24.44 -35.75	66.18
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	267.37 96.95 58.17 -15.53 -25.12 -36.65	69.05
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	281.62 107.63 64.58 -16.10 -26.37 -38.79	69.05



Openings			08
Doors and Frames			08 10
Wood Doors			08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0431	EA		3'-6" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	313.38	71.93
			For Stave Lumber Core (SLC), Add	127.14	
			For Structural Composite Lumber Core (SCLC), Add	76.28	
			For >25 To 50, Deduct	-17.57	
			For >50 To 100, Deduct	-29.22	
			For >100, Deduct	-43.41	
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	262.40	63.30
			For Stave Lumber Core (SLC), Add	101.84	
			For Structural Composite Lumber Core (SCLC), Add	61.11	
			For >25 To 50, Deduct	-14.93	
			For >50 To 100, Deduct	-24.54	
			For >100, Deduct	-36.19	
			For 9' Door Height, Add	28.52	
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	262.42	63.30
			For Stave Lumber Core (SLC), Add	101.86	
			For Structural Composite Lumber Core (SCLC), Add	61.11	
			For >25 To 50, Deduct	-14.93	
			For >50 To 100, Deduct	-24.54	
			For >100, Deduct	-36.20	
			For 9' Door Height, Add	28.52	
08 14 16 00-0434	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	276.04	66.18
			For Stave Lumber Core (SLC), Add	107.77	
			For Structural Composite Lumber Core (SCLC), Add	64.66	
			For >25 To 50, Deduct	-15.67	
			For >50 To 100, Deduct	-25.81	
			For >100, Deduct	-38.10	
			For 9' Door Height, Add	30.17	
08 14 16 00-0435	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	283.89	66.18
			For Stave Lumber Core (SLC), Add	113.66	
			For Structural Composite Lumber Core (SCLC), Add	68.19	
			For >25 To 50, Deduct	-15.99	
			For >50 To 100, Deduct	-26.49	
			For >100, Deduct	-39.27	
			For 9' Door Height, Add	31.82	
08 14 16 00-0436	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	285.34	66.18
			For Stave Lumber Core (SLC), Add	114.74	
			For Structural Composite Lumber Core (SCLC), Add	68.85	
			For >25 To 50, Deduct	-16.05	
			For >50 To 100, Deduct	-26.62	
			For >100, Deduct	-39.49	
			For 9' Door Height, Add	32.13	
08 14 16 00-0437	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	292.58	69.05
			For Stave Lumber Core (SLC), Add	115.85	
			For Structural Composite Lumber Core (SCLC), Add	69.51	
			For >25 To 50, Deduct	-16.54	
			For >50 To 100, Deduct	-27.33	
			For >100, Deduct	-40.43	
			For 9' Door Height, Add	32.44	
08 14 16 00-0438	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	309.62	69.05
			For Stave Lumber Core (SLC), Add	128.63	
			For Structural Composite Lumber Core (SCLC), Add	77.18	
			For >25 To 50, Deduct	-17.22	
			For >50 To 100, Deduct	-28.82	
			For >100, Deduct	-42.99	
			For 9' Door Height, Add	36.02	
08 14 16 00-0439	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	346.44	71.93
			For Stave Lumber Core (SLC), Add	151.94	
			For Structural Composite Lumber Core (SCLC), Add	91.16	
			For >25 To 50, Deduct	-18.89	
			For >50 To 100, Deduct	-32.11	
			For >100, Deduct	-48.37	
			For 9' Door Height, Add	42.54	
08 14 16 00-0440			1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441			Birch Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0442	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	331.06	63.30
			For 7 Ply Cold Press Construction, Deduct	-4.09	
			For Stave Lumber Core (SLC), Add	153.34	
			For Structural Composite Lumber Core (SCLC), Add	92.00	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	352.68	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.40	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.34	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.34	
			For >25 To 50, Deduct	-17.67	
			For >50 To 100, Deduct	-30.55	
			For >100, Deduct	-46.49	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	331.06	63.30
		For 7 Ply Cold Press Construction, Deduct		-4.09	
		For Stave Lumber Core (SLC), Add		153.34	
		For Structural Composite Lumber Core (SCLC), Add		92.00	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		352.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.53	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		110.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		153.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		245.34	
		For >25 To 50, Deduct		-17.67	
		For >50 To 100, Deduct		-30.55	
		For >100, Deduct		-46.49	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	326.03	66.18
		For 7 Ply Cold Press Construction, Deduct		-3.87	
		For Stave Lumber Core (SLC), Add		145.26	
		For Structural Composite Lumber Core (SCLC), Add		87.16	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		334.10	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.24	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		104.59	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		145.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		232.42	
		For >25 To 50, Deduct		-17.67	
		For >50 To 100, Deduct		-30.18	
		For >100, Deduct		-45.60	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	334.10	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.04	
		For Stave Lumber Core (SLC), Add		151.31	
		For Structural Composite Lumber Core (SCLC), Add		90.79	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		348.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		108.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		151.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		242.10	
		For >25 To 50, Deduct		-18.00	
		For >50 To 100, Deduct		-30.89	
		For >100, Deduct		-46.81	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	339.50	66.18
		For 7 Ply Cold Press Construction, Deduct		-4.14	
		For Stave Lumber Core (SLC), Add		155.36	
		For Structural Composite Lumber Core (SCLC), Add		93.22	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		357.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		111.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		155.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		248.58	
		For >25 To 50, Deduct		-18.21	
		For >50 To 100, Deduct		-31.36	
		For >100, Deduct		-47.62	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	350.63	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.25	
		For Stave Lumber Core (SLC), Add		159.39	
		For Structural Composite Lumber Core (SCLC), Add		95.63	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		366.60	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		25.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		114.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		159.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		255.02	
		For >25 To 50, Deduct		-18.86	
		For >50 To 100, Deduct		-32.41	
		For >100, Deduct		-49.14	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	374.00	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.72	
		For Stave Lumber Core (SLC), Add		176.92	
		For Structural Composite Lumber Core (SCLC), Add		106.15	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		406.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		28.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		127.38	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		176.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		283.07	
		For >25 To 50, Deduct		-19.79	
		For >50 To 100, Deduct		-34.45	
		For >100, Deduct		-52.65	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	430.26	71.93
		For 7 Ply Cold Press Construction, Deduct		-5.73	
		For Stave Lumber Core (SLC), Add		214.80	
		For Structural Composite Lumber Core (SCLC), Add		128.88	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		494.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		34.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		154.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		214.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		343.68	
		For >25 To 50, Deduct		-22.25	
		For >50 To 100, Deduct		-39.45	
		For >100, Deduct		-60.94	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	444.58	71.93
		For 7 Ply Cold Press Construction, Deduct	-6.01	
		For Stave Lumber Core (SLC), Add	225.54	
		For Structural Composite Lumber Core (SCLC), Add	135.32	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	518.74	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.09	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	225.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	360.86	
		For >25 To 50, Deduct	-22.82	
		For >50 To 100, Deduct	-40.70	
		For >100, Deduct	-63.09	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	484.73	77.69
		For 7 Ply Cold Press Construction, Deduct	-6.59	
		For Stave Lumber Core (SLC), Add	247.01	
		For Structural Composite Lumber Core (SCLC), Add	148.21	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	568.13	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.52	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.85	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	395.22	
		For >25 To 50, Deduct	-24.83	
		For >50 To 100, Deduct	-44.36	
		For >100, Deduct	-68.83	
08 14 16 00-0452	EA	2'-0" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	321.39	63.30
		For 7 Ply Cold Press Construction, Deduct	-3.90	
		For Stave Lumber Core (SLC), Add	146.09	
		For Structural Composite Lumber Core (SCLC), Add	87.65	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	336.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.74	
		For >25 To 50, Deduct	-17.29	
		For >50 To 100, Deduct	-29.70	
		For >100, Deduct	-45.04	
08 14 16 00-0453	EA	2'-4" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	321.39	63.30
		For 7 Ply Cold Press Construction, Deduct	-3.90	
		For Stave Lumber Core (SLC), Add	146.09	
		For Structural Composite Lumber Core (SCLC), Add	87.65	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	336.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.74	
		For >25 To 50, Deduct	-17.29	
		For >50 To 100, Deduct	-29.70	
		For >100, Deduct	-45.04	
08 14 16 00-0454	EA	2'-6" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	337.31	66.18
		For 7 Ply Cold Press Construction, Deduct	-4.10	
		For Stave Lumber Core (SLC), Add	153.72	
		For Structural Composite Lumber Core (SCLC), Add	92.23	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	353.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.60	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.72	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.95	
		For >25 To 50, Deduct	-18.12	
		For >50 To 100, Deduct	-31.17	
		For >100, Deduct	-47.29	
08 14 16 00-0455	EA	2'-8" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	345.85	66.18
		For 7 Ply Cold Press Construction, Deduct	-4.27	
		For Stave Lumber Core (SLC), Add	160.13	
		For Structural Composite Lumber Core (SCLC), Add	96.08	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	368.29	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.20	
		For >25 To 50, Deduct	-18.47	
		For >50 To 100, Deduct	-31.92	
		For >100, Deduct	-48.57	
08 14 16 00-0456	EA	2'-10" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	351.55	66.18
		For 7 Ply Cold Press Construction, Deduct	-4.38	
		For Stave Lumber Core (SLC), Add	164.40	
		For Structural Composite Lumber Core (SCLC), Add	98.64	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	378.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.04	
		For >25 To 50, Deduct	-18.69	
		For >50 To 100, Deduct	-32.42	
		For >100, Deduct	-49.42	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	362.99	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.50	
		For Stave Lumber Core (SLC), Add		168.66	
		For Structural Composite Lumber Core (SCLC), Add		101.20	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		387.92	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		121.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		168.66	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		269.86	
		For >25 To 50, Deduct		-19.35	
		For >50 To 100, Deduct		-33.49	
		For >100, Deduct		-51.00	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	387.73	69.05
		For 7 Ply Cold Press Construction, Deduct		-4.99	
		For Stave Lumber Core (SLC), Add		187.22	
		For Structural Composite Lumber Core (SCLC), Add		112.33	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		430.59	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		29.95	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		134.79	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		187.22	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		299.54	
		For >25 To 50, Deduct		-20.34	
		For >50 To 100, Deduct		-35.65	
		For >100, Deduct		-54.71	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	446.93	71.93
		For 7 Ply Cold Press Construction, Deduct		-6.06	
		For Stave Lumber Core (SLC), Add		227.30	
		For Structural Composite Lumber Core (SCLC), Add		136.38	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		522.80	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		36.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		163.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		227.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		363.68	
		For >25 To 50, Deduct		-22.91	
		For >50 To 100, Deduct		-40.90	
		For >100, Deduct		-63.44	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	462.09	71.93
		For 7 Ply Cold Press Construction, Deduct		-6.36	
		For Stave Lumber Core (SLC), Add		238.67	
		For Structural Composite Lumber Core (SCLC), Add		143.20	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		548.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		38.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		171.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		238.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		381.88	
		For >25 To 50, Deduct		-23.52	
		For >50 To 100, Deduct		-42.23	
		For >100, Deduct		-65.72	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	503.90	77.69
		For 7 Ply Cold Press Construction, Deduct		-6.97	
		For Stave Lumber Core (SLC), Add		261.39	
		For Structural Composite Lumber Core (SCLC), Add		156.83	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		601.20	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		41.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		188.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		261.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		418.22	
		For >25 To 50, Deduct		-25.59	
		For >50 To 100, Deduct		-46.03	
		For >100, Deduct		-71.70	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	385.14	63.30
		For 7 Ply Cold Press Construction, Deduct		-5.17	
		For Stave Lumber Core (SLC), Add		193.90	
		For Structural Composite Lumber Core (SCLC), Add		116.34	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		445.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		139.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		193.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		310.24	
		For >25 To 50, Deduct		-19.84	
		For >50 To 100, Deduct		-35.28	
		For >100, Deduct		-54.61	
		For 9' Door Height, Add		54.29	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	385.14	63.30
		For 7 Ply Cold Press Construction, Deduct		-5.17	
		For Stave Lumber Core (SLC), Add		193.90	
		For Structural Composite Lumber Core (SCLC), Add		116.34	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		445.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		139.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		193.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		310.24	
		For >25 To 50, Deduct		-19.84	
		For >50 To 100, Deduct		-35.28	
		For >100, Deduct		-54.61	
		For 9' Door Height, Add		54.29	



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0464	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	377.27 -4.90 183.69 110.21 422.49 29.39 132.26 183.69 293.90 -19.72 -34.67 -53.28 51.43	66.18
08 14 16 00-0465	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	387.47 -5.10 191.34 114.80 440.08 30.61 137.76 191.34 306.14 -20.13 -35.56 -54.81 53.58	66.18
08 14 16 00-0466	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	394.29 -5.24 196.46 117.87 451.85 31.43 141.45 196.46 314.33 -20.40 -36.15 -55.83 55.01	66.18
08 14 16 00-0467	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	406.84 -5.37 201.55 120.93 463.56 32.25 145.11 201.55 322.48 -21.11 -37.32 -57.57 56.43	69.05
08 14 16 00-0468	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	436.40 -5.97 223.72 134.23 514.55 35.79 161.08 223.72 357.95 -22.29 -39.91 -62.01 62.64	69.05
08 14 16 00-0469	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	506.02 -7.24 271.62 162.97 624.73 43.46 195.57 271.62 434.59 -25.28 -46.08 -72.31 76.05	71.93

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0470	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door 524.13	71.93	
			For 7 Ply Cold Press Construction, Deduct	-7.61	
			For Stave Lumber Core (SLC), Add	285.20	
			For Structural Composite Lumber Core (SCLC), Add	171.12	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	655.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.20	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.32	
			For >25 To 50, Deduct	-26.00	
			For >50 To 100, Deduct	-47.66	
			For >100, Deduct	-75.02	
			For 9' Door Height, Add	79.86	
08 14 16 00-0471	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door 571.86	77.69	
			For 7 Ply Cold Press Construction, Deduct	-8.33	
			For Stave Lumber Core (SLC), Add	312.36	
			For Structural Composite Lumber Core (SCLC), Add	187.42	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	718.43	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.98	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.90	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	312.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	499.78	
			For >25 To 50, Deduct	-28.31	
			For >50 To 100, Deduct	-51.98	
			For >100, Deduct	-81.89	
			For 9' Door Height, Add	87.46	
08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0473	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door 518.94	63.30	
			For 7 Ply Cold Press Construction, Deduct	-7.85	
			For Stave Lumber Core (SLC), Add	294.25	
			For Structural Composite Lumber Core (SCLC), Add	176.55	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	676.77	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.08	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	470.80	
			For >25 To 50, Deduct	-25.19	
			For >50 To 100, Deduct	-46.99	
			For >100, Deduct	-74.68	
08 14 16 00-0474	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door 518.94	63.30	
			For 7 Ply Cold Press Construction, Deduct	-7.85	
			For Stave Lumber Core (SLC), Add	294.25	
			For Structural Composite Lumber Core (SCLC), Add	176.55	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	676.77	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.08	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	470.80	
			For >25 To 50, Deduct	-25.19	
			For >50 To 100, Deduct	-46.99	
			For >100, Deduct	-74.68	
08 14 16 00-0475	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door 524.68	66.18	
			For 7 Ply Cold Press Construction, Deduct	-7.85	
			For Stave Lumber Core (SLC), Add	294.25	
			For Structural Composite Lumber Core (SCLC), Add	176.55	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	676.77	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.08	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	470.80	
			For >25 To 50, Deduct	-25.62	
			For >50 To 100, Deduct	-47.56	
			For >100, Deduct	-75.39	
08 14 16 00-0476	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door 528.71	66.18	
			For 7 Ply Cold Press Construction, Deduct	-7.93	
			For Stave Lumber Core (SLC), Add	297.27	
			For Structural Composite Lumber Core (SCLC), Add	178.36	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	683.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	297.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	475.63	
			For >25 To 50, Deduct	-25.78	
			For >50 To 100, Deduct	-47.92	
			For >100, Deduct	-76.00	



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0477	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	530.53 -7.96 298.64 179.18 686.86 47.78 215.02 298.64 477.82 -25.85 -48.08 -76.27	66.18
08 14 16 00-0478	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	538.11 -8.00 300.00 180.00 690.00 48.00 216.00 300.00 480.00 -26.36 -48.81 -77.26	69.05
08 14 16 00-0479	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	582.05 -8.88 332.96 199.77 765.80 53.27 239.73 332.96 532.73 -28.12 -52.66 -83.85	69.05
08 14 16 00-0480	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	700.94 -11.14 417.81 250.69 960.96 66.85 300.82 417.81 668.50 -33.07 -63.13 -101.54	71.93
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	729.18 -11.71 438.99 263.39 1,009.68 70.24 316.07 438.99 702.38 -34.20 -65.60 -105.78	71.93
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	796.03 -12.81 480.49 288.29 1,105.12 76.88 345.95 480.49 768.78 -37.28 -71.59 -115.52	77.69
08 14 16 00-0483	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	541.76 -8.30 311.36 186.82 716.13 49.82 224.18 311.36 498.18 -26.10 -48.99 -78.10	63.30

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	541.76	63.30
		For 7 Ply Cold Press Construction, Deduct		-8.30	
		For Stave Lumber Core (SLC), Add		311.36	
		For Structural Composite Lumber Core (SCLC), Add		186.82	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		716.13	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		49.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		224.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		311.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		498.18	
		For >25 To 50, Deduct		-26.10	
		For >50 To 100, Deduct		-48.99	
		For >100, Deduct		-78.10	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	547.50	66.18
		For 7 Ply Cold Press Construction, Deduct		-8.30	
		For Stave Lumber Core (SLC), Add		311.36	
		For Structural Composite Lumber Core (SCLC), Add		186.82	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		716.13	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		49.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		224.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		311.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		498.18	
		For >25 To 50, Deduct		-26.53	
		For >50 To 100, Deduct		-49.56	
		For >100, Deduct		-78.82	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	551.76	66.18
		For 7 Ply Cold Press Construction, Deduct		-8.39	
		For Stave Lumber Core (SLC), Add		314.56	
		For Structural Composite Lumber Core (SCLC), Add		188.73	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		723.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		50.33	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		226.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		314.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		503.29	
		For >25 To 50, Deduct		-26.70	
		For >50 To 100, Deduct		-49.93	
		For >100, Deduct		-79.46	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	553.70	66.18
		For 7 Ply Cold Press Construction, Deduct		-8.43	
		For Stave Lumber Core (SLC), Add		316.01	
		For Structural Composite Lumber Core (SCLC), Add		189.61	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		726.83	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		50.56	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		227.53	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		316.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		505.62	
		For >25 To 50, Deduct		-26.78	
		For >50 To 100, Deduct		-50.10	
		For >100, Deduct		-79.75	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	561.40	69.05
		For 7 Ply Cold Press Construction, Deduct		-8.47	
		For Stave Lumber Core (SLC), Add		317.47	
		For Structural Composite Lumber Core (SCLC), Add		190.48	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		730.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		50.79	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		228.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		317.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		507.95	
		For >25 To 50, Deduct		-27.29	
		For >50 To 100, Deduct		-50.85	
		For >100, Deduct		-80.76	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	607.89	69.05
		For 7 Ply Cold Press Construction, Deduct		-9.40	
		For Stave Lumber Core (SLC), Add		352.34	
		For Structural Composite Lumber Core (SCLC), Add		211.40	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		810.37	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		56.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		253.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		352.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		563.74	
		For >25 To 50, Deduct		-29.15	
		For >50 To 100, Deduct		-54.92	
		For >100, Deduct		-87.73	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	733.37	71.93
		For 7 Ply Cold Press Construction, Deduct		-11.79	
		For Stave Lumber Core (SLC), Add		442.13	
		For Structural Composite Lumber Core (SCLC), Add		265.28	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,016.90	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		70.74	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		318.34	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		442.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		707.41	
		For >25 To 50, Deduct		-34.37	
		For >50 To 100, Deduct		-65.97	
		For >100, Deduct		-106.41	



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 16 00-0491	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	763.24		71.93
	For 7 Ply Cold Press Construction, Deduct	-12.39		
	For Stave Lumber Core (SLC), Add	464.54		
	For Structural Composite Lumber Core (SCLC), Add	278.72		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,068.43		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.33		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.47		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	464.54		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	743.26		
	For >25 To 50, Deduct	-35.56		
	For >50 To 100, Deduct	-68.58		
	For >100, Deduct	-110.89		
08 14 16 00-0492	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	833.30		77.69
	For 7 Ply Cold Press Construction, Deduct	-13.56		
	For Stave Lumber Core (SLC), Add	508.44		
	For Structural Composite Lumber Core (SCLC), Add	305.06		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,169.41		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.35		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	366.08		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	508.44		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	813.50		
	For >25 To 50, Deduct	-38.77		
	For >50 To 100, Deduct	-74.86		
	For >100, Deduct	-121.11		
08 14 16 00-0493	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	622.70		63.30
	For 7 Ply Cold Press Construction, Deduct	-9.92		
	For Stave Lumber Core (SLC), Add	372.07		
	For Structural Composite Lumber Core (SCLC), Add	223.24		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	855.76		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31		
	For >25 To 50, Deduct	-29.34		
	For >50 To 100, Deduct	-56.07		
	For >100, Deduct	-90.24		
	For 9' Door Height, Add	104.18		
08 14 16 00-0494	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	622.70		63.30
	For 7 Ply Cold Press Construction, Deduct	-9.92		
	For Stave Lumber Core (SLC), Add	372.07		
	For Structural Composite Lumber Core (SCLC), Add	223.24		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	855.76		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31		
	For >25 To 50, Deduct	-29.34		
	For >50 To 100, Deduct	-56.07		
	For >100, Deduct	-90.24		
	For 9' Door Height, Add	104.18		
08 14 16 00-0495	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	628.44		66.18
	For 7 Ply Cold Press Construction, Deduct	-9.92		
	For Stave Lumber Core (SLC), Add	372.07		
	For Structural Composite Lumber Core (SCLC), Add	223.24		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	855.76		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31		
	For >25 To 50, Deduct	-29.77		
	For >50 To 100, Deduct	-56.64		
	For >100, Deduct	-90.96		
	For 9' Door Height, Add	104.18		
08 14 16 00-0496	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	633.56		66.18
	For 7 Ply Cold Press Construction, Deduct	-10.02		
	For Stave Lumber Core (SLC), Add	375.91		
	For Structural Composite Lumber Core (SCLC), Add	225.54		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	864.59		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.15		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	270.65		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	375.91		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	601.45		
	For >25 To 50, Deduct	-29.97		
	For >50 To 100, Deduct	-57.09		
	For >100, Deduct	-91.73		
	For 9' Door Height, Add	105.25		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	635.88		66.18
		For 7 Ply Cold Press Construction, Deduct	-10.07		
		For Stave Lumber Core (SLC), Add	377.65		
		For Structural Composite Lumber Core (SCLC), Add	226.59		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	868.59		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.42		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	271.91		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	377.65		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	604.24		
		For >25 To 50, Deduct	-30.07		
		For >50 To 100, Deduct	-57.29		
		For >100, Deduct	-92.07		
		For 9' Door Height, Add	105.74		
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	643.93		69.05
		For 7 Ply Cold Press Construction, Deduct	-10.12		
		For Stave Lumber Core (SLC), Add	379.37		
		For Structural Composite Lumber Core (SCLC), Add	227.62		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	872.54		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.70		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	273.14		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	379.37		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	606.98		
		For >25 To 50, Deduct	-30.59		
		For >50 To 100, Deduct	-58.07		
		For >100, Deduct	-93.14		
		For 9' Door Height, Add	106.22		
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	699.49		69.05
		For 7 Ply Cold Press Construction, Deduct	-11.23		
		For Stave Lumber Core (SLC), Add	421.04		
		For Structural Composite Lumber Core (SCLC), Add	252.62		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	968.38		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.37		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	303.15		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	421.04		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	673.66		
		For >25 To 50, Deduct	-32.81		
		For >50 To 100, Deduct	-62.93		
		For >100, Deduct	-101.47		
		For 9' Door Height, Add	117.89		
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	848.32		71.93
		For 7 Ply Cold Press Construction, Deduct	-14.09		
		For Stave Lumber Core (SLC), Add	528.35		
		For Structural Composite Lumber Core (SCLC), Add	317.01		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,215.19		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	84.54		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	380.41		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	528.35		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	845.35		
		For >25 To 50, Deduct	-38.97		
		For >50 To 100, Deduct	-76.03		
		For >100, Deduct	-123.65		
		For 9' Door Height, Add	147.94		
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	884.01		71.93
		For 7 Ply Cold Press Construction, Deduct	-14.80		
		For Stave Lumber Core (SLC), Add	555.11		
		For Structural Composite Lumber Core (SCLC), Add	333.07		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,276.76		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	88.82		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	399.68		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	555.11		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	888.18		
		For >25 To 50, Deduct	-40.40		
		For >50 To 100, Deduct	-79.15		
		For >100, Deduct	-129.01		
		For 9' Door Height, Add	155.43		
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	965.50		77.69
		For 7 Ply Cold Press Construction, Deduct	-16.20		
		For Stave Lumber Core (SLC), Add	607.59		
		For Structural Composite Lumber Core (SCLC), Add	364.55		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,397.46		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	97.21		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	437.46		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	607.59		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	972.14		
		For >25 To 50, Deduct	-44.06		
		For >50 To 100, Deduct	-86.42		
		For >100, Deduct	-140.94		
		For 9' Door Height, Add	170.13		
08 14 16 00-0503 Mahogany Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	575.20		63.30
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	575.20		63.30
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	580.94		66.18
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	585.55		66.18
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	587.64		66.18
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	595.49		69.05



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0510	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	645.71		69.05	
08 14 16 00-0511	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	780.83		71.93	
08 14 16 00-0512	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	813.14		71.93	
08 14 16 00-0513	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	876.37		71.93	
08 14 16 00-0514	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	601.31		63.30	
08 14 16 00-0515	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	601.31		63.30	
08 14 16 00-0516	EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	607.05		66.18	
08 14 16 00-0517	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	611.94		66.18	
08 14 16 00-0518	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	614.14		66.18	
08 14 16 00-0519	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	622.11		69.05	
08 14 16 00-0520	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	675.27		69.05	
08 14 16 00-0521	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	817.91		71.93	
08 14 16 00-0522	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	852.20		71.93	
08 14 16 00-0523	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	918.99		71.93	
08 14 16 00-0524	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	693.84		63.30	
08 14 16 00-0525	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	693.84		63.30	
08 14 16 00-0526	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	699.58		66.18	
08 14 16 00-0527	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	705.43		66.18	
08 14 16 00-0528	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	708.10		66.18	
08 14 16 00-0529	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	716.46		69.05	
08 14 16 00-0530	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	780.00		69.05	
08 14 16 00-0531	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	949.37		71.93	
08 14 16 00-0532	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	990.17		71.93	
08 14 16 00-0533	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door.....	1,070.18		71.93	
08 14 16 00-0534 Maple Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0535	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	457.98		63.30	
	For 7 Ply Cold Press Construction, Deduct	-6.63			
	For Stave Lumber Core (SLC), Add	248.53			
	For Structural Composite Lumber Core (SCLC), Add	149.12			
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	571.61			
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76			
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94			
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53			
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64			
	For >25 To 50, Deduct	-22.75			
	For >50 To 100, Deduct	-41.66			
	For >100, Deduct	-65.53			
08 14 16 00-0536	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	457.98		63.30	
	For 7 Ply Cold Press Construction, Deduct	-6.63			
	For Stave Lumber Core (SLC), Add	248.53			
	For Structural Composite Lumber Core (SCLC), Add	149.12			
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	571.61			
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76			
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94			
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53			
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64			
	For >25 To 50, Deduct	-22.75			
	For >50 To 100, Deduct	-41.66			
	For >100, Deduct	-65.53			
08 14 16 00-0537	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.72		66.18	
	For 7 Ply Cold Press Construction, Deduct	-6.63			
	For Stave Lumber Core (SLC), Add	248.53			
	For Structural Composite Lumber Core (SCLC), Add	149.12			
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	571.61			
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76			
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94			
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53			
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64			
	For >25 To 50, Deduct	-23.18			
	For >50 To 100, Deduct	-42.23			
	For >100, Deduct	-66.25			
08 14 16 00-0538	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	467.13		66.18	
	For 7 Ply Cold Press Construction, Deduct	-6.70			
	For Stave Lumber Core (SLC), Add	251.09			
	For Structural Composite Lumber Core (SCLC), Add	150.65			
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	577.50			
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.17			
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.78			
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.09			
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	401.74			
	For >25 To 50, Deduct	-23.32			
	For >50 To 100, Deduct	-42.53			
	For >100, Deduct	-66.76			

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0539	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	468.66 -6.73 252.23 151.34 580.13 40.36 181.61 252.23 403.57 -23.38 -42.66 -66.99	66.18
08 14 16 00-0540	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	475.97 -6.76 253.40 152.04 582.81 40.54 182.44 253.40 405.43 -23.87 -43.37 -67.94	69.05
08 14 16 00-0541	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	513.09 -7.50 281.24 168.74 646.84 45.00 202.49 281.24 449.98 -25.36 -46.62 -73.51	69.05
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	590.86 -8.94 335.25 201.15 771.08 53.64 241.38 335.25 536.40 -28.67 -53.50 -85.03	71.93
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	637.90 -9.88 370.53 222.32 852.22 59.28 266.78 370.53 592.85 -30.55 -57.61 -92.09	71.93
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	685.00 -10.82 405.86 243.51 933.47 64.94 292.22 405.86 649.37 -32.44 -61.74 -99.15	71.93
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	477.26 -7.01 262.99 157.79 604.87 42.08 189.35 262.99 420.78 -23.52 -43.34 -68.42	63.30



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	477.26	63.30	
		For 7 Ply Cold Press Construction, Deduct	-7.01		
		For Stave Lumber Core (SLC), Add	262.99		
		For Structural Composite Lumber Core (SCLC), Add	157.79		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	604.87		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.08		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.35		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	262.99		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	420.78		
		For >25 To 50, Deduct	-23.52		
		For >50 To 100, Deduct	-43.34		
		For >100, Deduct	-68.42		
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	483.00	66.18	
		For 7 Ply Cold Press Construction, Deduct	-7.01		
		For Stave Lumber Core (SLC), Add	262.99		
		For Structural Composite Lumber Core (SCLC), Add	157.79		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	604.87		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.08		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.35		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	262.99		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	420.78		
		For >25 To 50, Deduct	-23.95		
		For >50 To 100, Deduct	-43.92		
		For >100, Deduct	-69.14		
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	486.60	66.18	
		For 7 Ply Cold Press Construction, Deduct	-7.09		
		For Stave Lumber Core (SLC), Add	265.69		
		For Structural Composite Lumber Core (SCLC), Add	159.41		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	611.08		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.51		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	191.30		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	265.69		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	425.10		
		For >25 To 50, Deduct	-24.10		
		For >50 To 100, Deduct	-44.23		
		For >100, Deduct	-69.68		
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	488.24	66.18	
		For 7 Ply Cold Press Construction, Deduct	-7.12		
		For Stave Lumber Core (SLC), Add	266.92		
		For Structural Composite Lumber Core (SCLC), Add	160.15		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	613.91		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.71		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	192.18		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	266.92		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	427.07		
		For >25 To 50, Deduct	-24.16		
		For >50 To 100, Deduct	-44.38		
		For >100, Deduct	-69.93		
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	495.63	69.05	
		For 7 Ply Cold Press Construction, Deduct	-7.15		
		For Stave Lumber Core (SLC), Add	268.14		
		For Structural Composite Lumber Core (SCLC), Add	160.88		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	616.72		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.90		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	193.06		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	268.14		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	429.02		
		For >25 To 50, Deduct	-24.66		
		For >50 To 100, Deduct	-45.09		
		For >100, Deduct	-70.89		
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	534.90	69.05	
		For 7 Ply Cold Press Construction, Deduct	-7.94		
		For Stave Lumber Core (SLC), Add	297.59		
		For Structural Composite Lumber Core (SCLC), Add	178.56		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	684.46		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.61		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.27		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	297.59		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	476.15		
		For >25 To 50, Deduct	-26.23		
		For >50 To 100, Deduct	-48.53		
		For >100, Deduct	-76.78		
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	616.88	71.93	
		For 7 Ply Cold Press Construction, Deduct	-9.46		
		For Stave Lumber Core (SLC), Add	354.77		
		For Structural Composite Lumber Core (SCLC), Add	212.86		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	815.96		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.76		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	255.43		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	354.77		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	567.62		
		For >25 To 50, Deduct	-29.71		
		For >50 To 100, Deduct	-55.78		
		For >100, Deduct	-88.94		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	666.67		71.93
		For 7 Ply Cold Press Construction, Deduct	-10.46		
		For Stave Lumber Core (SLC), Add	392.11		
		For Structural Composite Lumber Core (SCLC), Add	235.26		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	901.85		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.74		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.32		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	392.11		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	627.37		
		For >25 To 50, Deduct	-31.70		
		For >50 To 100, Deduct	-60.13		
		For >100, Deduct	-96.40		
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	716.50		71.93
		For 7 Ply Cold Press Construction, Deduct	-11.45		
		For Stave Lumber Core (SLC), Add	429.48		
		For Structural Composite Lumber Core (SCLC), Add	257.69		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	987.80		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.72		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.23		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	429.48		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	687.17		
		For >25 To 50, Deduct	-33.70		
		For >50 To 100, Deduct	-64.49		
		For >100, Deduct	-103.88		
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	545.63		63.30
		For 7 Ply Cold Press Construction, Deduct	-8.38		
		For Stave Lumber Core (SLC), Add	314.27		
		For Structural Composite Lumber Core (SCLC), Add	188.56		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	722.81		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82		
		For >25 To 50, Deduct	-26.26		
		For >50 To 100, Deduct	-49.33		
		For >100, Deduct	-78.68		
		For 9' Door Height, Add	87.99		
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	545.63		63.30
		For 7 Ply Cold Press Construction, Deduct	-8.38		
		For Stave Lumber Core (SLC), Add	314.27		
		For Structural Composite Lumber Core (SCLC), Add	188.56		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	722.81		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82		
		For >25 To 50, Deduct	-26.26		
		For >50 To 100, Deduct	-49.33		
		For >100, Deduct	-78.68		
		For 9' Door Height, Add	87.99		
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	551.37		66.18
		For 7 Ply Cold Press Construction, Deduct	-8.38		
		For Stave Lumber Core (SLC), Add	314.27		
		For Structural Composite Lumber Core (SCLC), Add	188.56		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	722.81		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82		
		For >25 To 50, Deduct	-26.69		
		For >50 To 100, Deduct	-49.90		
		For >100, Deduct	-79.40		
		For 9' Door Height, Add	87.99		
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	555.68		66.18
		For 7 Ply Cold Press Construction, Deduct	-8.47		
		For Stave Lumber Core (SLC), Add	317.50		
		For Structural Composite Lumber Core (SCLC), Add	190.50		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	730.24		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.80		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.60		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.50		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	508.00		
		For >25 To 50, Deduct	-26.86		
		For >50 To 100, Deduct	-50.28		
		For >100, Deduct	-80.04		
		For 9' Door Height, Add	88.90		



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 16 00-0559	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	557.64		66.18
	For 7 Ply Cold Press Construction, Deduct	-8.51		
	For Stave Lumber Core (SLC), Add	318.97		
	For Structural Composite Lumber Core (SCLC), Add	191.38		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	733.63		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.03		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	229.66		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	318.97		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	510.35		
	For >25 To 50, Deduct	-26.94		
	For >50 To 100, Deduct	-50.45		
	For >100, Deduct	-80.34		
	For 9' Door Height, Add	89.31		
08 14 16 00-0560	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	565.34		69.05
	For 7 Ply Cold Press Construction, Deduct	-8.54		
	For Stave Lumber Core (SLC), Add	320.42		
	For Structural Composite Lumber Core (SCLC), Add	192.25		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	736.97		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.27		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.70		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	320.42		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	512.68		
	For >25 To 50, Deduct	-27.45		
	For >50 To 100, Deduct	-51.19		
	For >100, Deduct	-81.35		
	For 9' Door Height, Add	89.72		
08 14 16 00-0561	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	612.27		69.05
	For 7 Ply Cold Press Construction, Deduct	-9.48		
	For Stave Lumber Core (SLC), Add	355.62		
	For Structural Composite Lumber Core (SCLC), Add	213.37		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	817.93		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.90		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	256.05		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	355.62		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	568.99		
	For >25 To 50, Deduct	-29.32		
	For >50 To 100, Deduct	-55.30		
	For >100, Deduct	-88.39		
	For 9' Door Height, Add	99.57		
08 14 16 00-0562	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	709.11		71.93
	For 7 Ply Cold Press Construction, Deduct	-11.31		
	For Stave Lumber Core (SLC), Add	423.94		
	For Structural Composite Lumber Core (SCLC), Add	254.36		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	975.06		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.83		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	305.24		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	423.94		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	678.30		
	For >25 To 50, Deduct	-33.40		
	For >50 To 100, Deduct	-63.85		
	For >100, Deduct	-102.77		
	For 9' Door Height, Add	118.70		
08 14 16 00-0563	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	768.61		71.93
	For 7 Ply Cold Press Construction, Deduct	-12.50		
	For Stave Lumber Core (SLC), Add	468.56		
	For Structural Composite Lumber Core (SCLC), Add	281.14		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,077.69		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.97		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	337.37		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	468.56		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	749.70		
	For >25 To 50, Deduct	-35.78		
	For >50 To 100, Deduct	-69.05		
	For >100, Deduct	-111.70		
	For 9' Door Height, Add	131.20		
08 14 16 00-0564	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	828.14		71.93
	For 7 Ply Cold Press Construction, Deduct	-13.69		
	For Stave Lumber Core (SLC), Add	513.21		
	For Structural Composite Lumber Core (SCLC), Add	307.93		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,180.38		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	82.11		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	369.51		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	513.21		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	821.14		
	For >25 To 50, Deduct	-38.16		
	For >50 To 100, Deduct	-74.26		
	For >100, Deduct	-120.62		
	For 9' Door Height, Add	143.70		
08 14 16 00-0565	Cherry Faced Wood Doors (08 14 16 00-0440)			
08 14 16 00-0566	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	654.36		63.30
08 14 16 00-0567	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	654.36		63.30
08 14 16 00-0568	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	660.10		66.18
08 14 16 00-0569	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	665.52		66.18
08 14 16 00-0570	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	668.00		66.18
08 14 16 00-0571	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	676.20		69.05

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0572	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	735.29	69.05
08 14 16 00-0573	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	893.23	71.93
08 14 16 00-0574	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	931.24	71.93
08 14 16 00-0575	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,005.66	71.93
08 14 16 00-0576	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	685.08	63.30
08 14 16 00-0577	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	685.08	63.30
08 14 16 00-0578	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	690.82	66.18
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	696.55	66.18
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	699.15	66.18
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	707.51	69.05
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	770.08	69.05
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	936.85	71.93
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	977.19	71.93
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,055.80	71.93
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	793.95	63.30
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	793.95	63.30
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	799.69	66.18
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	806.59	66.18
08 14 16 00-0590	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	809.69	66.18
08 14 16 00-0591	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	818.55	69.05
08 14 16 00-0592	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	893.29	69.05
08 14 16 00-0593	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,091.49	71.93
08 14 16 00-0594	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,139.49	71.93
08 14 16 00-0595	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,233.64	71.93
08 14 16 00-0596 Walnut Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0597	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	728.55	63.30
			For 7 Ply Cold Press Construction, Deduct	-12.04	
			For Stave Lumber Core (SLC), Add	451.46	
			For Structural Composite Lumber Core (SCLC), Add	270.87	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,038.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.33	
			For >25 To 50, Deduct	-33.57	
			For >50 To 100, Deduct	-65.33	
			For >100, Deduct	-106.12	
08 14 16 00-0598	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	728.55	63.30
			For 7 Ply Cold Press Construction, Deduct	-12.04	
			For Stave Lumber Core (SLC), Add	451.46	
			For Structural Composite Lumber Core (SCLC), Add	270.87	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,038.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.33	
			For >25 To 50, Deduct	-33.57	
			For >50 To 100, Deduct	-65.33	
			For >100, Deduct	-106.12	
08 14 16 00-0599	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	734.49	66.18
			For 7 Ply Cold Press Construction, Deduct	-12.04	
			For Stave Lumber Core (SLC), Add	451.61	
			For Structural Composite Lumber Core (SCLC), Add	270.96	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,038.69	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.26	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.16	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.61	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.57	
			For >25 To 50, Deduct	-34.01	
			For >50 To 100, Deduct	-65.92	
			For >100, Deduct	-106.86	
08 14 16 00-0600	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	740.69	66.18
			For 7 Ply Cold Press Construction, Deduct	-12.17	
			For Stave Lumber Core (SLC), Add	456.26	
			For Structural Composite Lumber Core (SCLC), Add	273.75	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,049.39	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	73.00	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	328.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	456.26	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	730.01	
			For >25 To 50, Deduct	-34.26	
			For >50 To 100, Deduct	-66.46	
			For >100, Deduct	-107.79	



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0601	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	756.92	66.18
			For 7 Ply Cold Press Construction, Deduct	-12.49	
			For Stave Lumber Core (SLC), Add	468.43	
			For Structural Composite Lumber Core (SCLC), Add	281.06	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,077.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	337.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	468.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	749.48	
			For >25 To 50, Deduct	-34.91	
			For >50 To 100, Deduct	-67.88	
			For >100, Deduct	-110.23	
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	778.87	69.05
			For 7 Ply Cold Press Construction, Deduct	-12.82	
			For Stave Lumber Core (SLC), Add	480.57	
			For Structural Composite Lumber Core (SCLC), Add	288.34	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,105.31	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.89	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	346.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	480.57	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	768.91	
			For >25 To 50, Deduct	-35.99	
			For >50 To 100, Deduct	-69.88	
			For >100, Deduct	-113.38	
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	820.95	69.05
			For 7 Ply Cold Press Construction, Deduct	-13.66	
			For Stave Lumber Core (SLC), Add	512.13	
			For Structural Composite Lumber Core (SCLC), Add	307.28	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,177.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	368.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	512.13	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	819.41	
			For >25 To 50, Deduct	-37.67	
			For >50 To 100, Deduct	-73.56	
			For >100, Deduct	-119.69	
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,004.31	71.93
			For 7 Ply Cold Press Construction, Deduct	-17.21	
			For Stave Lumber Core (SLC), Add	645.34	
			For Structural Composite Lumber Core (SCLC), Add	387.20	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,484.28	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	103.25	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	464.64	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	645.34	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,032.54	
			For >25 To 50, Deduct	-45.21	
			For >50 To 100, Deduct	-89.68	
			For >100, Deduct	-147.05	
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,047.32	71.93
			For 7 Ply Cold Press Construction, Deduct	-18.07	
			For Stave Lumber Core (SLC), Add	677.60	
			For Structural Composite Lumber Core (SCLC), Add	406.56	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,558.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	108.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	487.87	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	677.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,084.15	
			For >25 To 50, Deduct	-46.93	
			For >50 To 100, Deduct	-93.44	
			For >100, Deduct	-153.50	
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,133.41	71.93
			For 7 Ply Cold Press Construction, Deduct	-19.79	
			For Stave Lumber Core (SLC), Add	742.16	
			For Structural Composite Lumber Core (SCLC), Add	445.30	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,706.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	118.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	534.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	742.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,187.46	
			For >25 To 50, Deduct	-50.37	
			For >50 To 100, Deduct	-100.97	
			For >100, Deduct	-166.42	
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	763.58	63.30
			For 7 Ply Cold Press Construction, Deduct	-12.74	
			For Stave Lumber Core (SLC), Add	477.73	
			For Structural Composite Lumber Core (SCLC), Add	286.64	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	1,098.77	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.44	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	343.96	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	477.73	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	764.36	
			For >25 To 50, Deduct	-34.97	
			For >50 To 100, Deduct	-68.40	
			For >100, Deduct	-111.37	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	763.58	63.30
		For 7 Ply Cold Press Construction, Deduct		-12.74	
		For Stave Lumber Core (SLC), Add		477.73	
		For Structural Composite Lumber Core (SCLC), Add		286.64	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,098.77	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		76.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		343.96	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		477.73	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		764.36	
		For >25 To 50, Deduct		-34.97	
		For >50 To 100, Deduct		-68.40	
		For >100, Deduct		-111.37	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	769.51	66.18
		For 7 Ply Cold Press Construction, Deduct		-12.74	
		For Stave Lumber Core (SLC), Add		477.87	
		For Structural Composite Lumber Core (SCLC), Add		286.72	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,099.10	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		76.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		344.07	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		477.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		764.59	
		For >25 To 50, Deduct		-35.41	
		For >50 To 100, Deduct		-68.99	
		For >100, Deduct		-112.12	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	776.10	66.18
		For 7 Ply Cold Press Construction, Deduct		-12.88	
		For Stave Lumber Core (SLC), Add		482.81	
		For Structural Composite Lumber Core (SCLC), Add		289.69	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,110.47	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		77.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		347.63	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		482.81	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		772.50	
		For >25 To 50, Deduct		-35.68	
		For >50 To 100, Deduct		-69.56	
		For >100, Deduct		-113.11	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	793.26	66.18
		For 7 Ply Cold Press Construction, Deduct		-13.22	
		For Stave Lumber Core (SLC), Add		495.68	
		For Structural Composite Lumber Core (SCLC), Add		297.41	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,140.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		79.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		356.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		495.68	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		793.09	
		For >25 To 50, Deduct		-36.36	
		For >50 To 100, Deduct		-71.06	
		For >100, Deduct		-115.68	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	816.15	69.05
		For 7 Ply Cold Press Construction, Deduct		-13.56	
		For Stave Lumber Core (SLC), Add		508.53	
		For Structural Composite Lumber Core (SCLC), Add		305.12	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,169.62	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		81.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		366.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		508.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		813.65	
		For >25 To 50, Deduct		-37.48	
		For >50 To 100, Deduct		-73.14	
		For >100, Deduct		-118.97	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	860.70	69.05
		For 7 Ply Cold Press Construction, Deduct		-14.45	
		For Stave Lumber Core (SLC), Add		541.94	
		For Structural Composite Lumber Core (SCLC), Add		325.17	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,246.47	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		86.71	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		390.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		541.94	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		867.11	
		For >25 To 50, Deduct		-39.26	
		For >50 To 100, Deduct		-77.04	
		For >100, Deduct		-125.65	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,054.37	71.93
		For 7 Ply Cold Press Construction, Deduct		-18.21	
		For Stave Lumber Core (SLC), Add		682.88	
		For Structural Composite Lumber Core (SCLC), Add		409.73	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		1,570.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		109.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		491.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		682.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,092.61	
		For >25 To 50, Deduct		-47.21	
		For >50 To 100, Deduct		-94.06	
		For >100, Deduct		-154.56	



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 16 00-0615	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	1,099.89 -19.12 717.02 430.21 1,649.15 114.72 516.26 717.02 1,147.24 -49.03 -98.04 -161.39		71.93
08 14 16 00-0616	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	1,190.98 -20.94 785.34 471.20 1,806.28 125.65 565.44 785.34 1,256.54 -52.67 -106.01 -175.05		71.93
08 14 16 00-0617	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	887.79 -15.22 570.89 342.53 1,313.04 91.34 411.04 570.89 913.42 -39.94 -79.26 -130.00 159.85		63.30
08 14 16 00-0618	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	887.79 -15.22 570.89 342.53 1,313.04 91.34 411.04 570.89 913.42 -39.94 -79.26 -130.00 159.85		63.30
08 14 16 00-0619	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	893.77 -15.23 571.07 342.64 1,313.45 91.37 411.17 571.07 913.70 -40.38 -79.86 -130.76 159.90		66.18
08 14 16 00-0620	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	901.63 -15.39 576.96 346.18 1,327.01 92.31 415.41 576.96 923.14 -40.70 -80.55 -131.94 161.55		66.18

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0621	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	922.13 -15.80 592.34 355.40 1,362.37 94.77 426.48 592.34 947.74 -41.52 -82.34 -135.01 165.85	66.18
08 14 16 00-0622	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	948.38 -16.21 607.70 364.62 1,397.72 97.23 437.55 607.70 972.32 -42.77 -84.71 -138.80 170.16	69.05
08 14 16 00-0623	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	1,001.62 -17.27 647.63 388.58 1,489.55 103.62 466.30 647.63 1,036.21 -44.90 -89.37 -146.79 181.34	69.05
08 14 16 00-0624	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	1,231.94 -21.76 816.06 489.64 1,876.94 130.57 587.56 816.06 1,305.70 -54.31 -109.59 -181.19 228.50	71.93
08 14 16 00-0625	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	1,286.33 -22.85 856.85 514.11 1,970.76 137.10 616.93 856.85 1,370.96 -56.49 -114.35 -189.35 239.92	71.93
08 14 16 00-0626	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	1,395.17 -25.03 938.48 563.09 2,158.51 150.16 675.71 938.48 1,501.57 -60.84 -123.88 -205.68 262.78	71.93

08 14 16 00-0627 Lauan Faced Wood Doors (08 14 16 00-0440)



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0628	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	282.12 268.25 18.66 83.98 116.63 186.61 -15.72 -26.27 -39.15	63.30
08 14 16 00-0629	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	282.12 268.25 18.66 83.98 116.63 186.61 -15.72 -26.27 -39.15	63.30
08 14 16 00-0630	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	288.31 269.03 18.72 84.22 116.97 187.15 -16.16 -26.88 -39.94	66.18
08 14 16 00-0631	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	292.79 276.76 19.25 86.64 120.33 192.53 -16.34 -27.27 -40.61	66.18
08 14 16 00-0632	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	294.41 279.55 19.45 87.51 121.55 194.47 -16.41 -27.42 -40.85	66.18
08 14 16 00-0633	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	301.79 282.35 19.64 88.39 122.76 196.42 -16.91 -28.13 -41.82	69.05
08 14 16 00-0634	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	316.58 307.86 21.42 96.37 133.85 214.16 -17.50 -29.43 -44.03	69.05
08 14 16 00-0635	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	335.06 329.82 22.94 103.25 143.40 229.44 -18.44 -31.12 -46.66	71.93
08 14 16 00-0636	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	344.62 346.31 24.09 108.41 150.57 240.91 -18.82 -31.95 -48.10	71.93

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0637	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	363.75	71.93	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	379.31		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.39		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.74		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.92		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.87		
		For >25 To 50, Deduct	-19.59		
		For >50 To 100, Deduct	-33.63		
		For >100, Deduct	-50.97		
08 14 16 00-0638	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.16	63.30	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	283.85		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.75		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.86		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.41		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.46		
		For >25 To 50, Deduct	-16.08		
		For >50 To 100, Deduct	-27.06		
		For >100, Deduct	-40.51		
08 14 16 00-0639	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.16	63.30	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	283.85		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.75		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.86		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.41		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.46		
		For >25 To 50, Deduct	-16.08		
		For >50 To 100, Deduct	-27.06		
		For >100, Deduct	-40.51		
08 14 16 00-0640	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	297.38	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	284.68		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.80		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	89.12		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.77		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	198.04		
		For >25 To 50, Deduct	-16.53		
		For >50 To 100, Deduct	-27.68		
		For >100, Deduct	-41.30		
08 14 16 00-0641	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.12	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	292.85		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.37		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.68		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.33		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	203.72		
		For >25 To 50, Deduct	-16.72		
		For >50 To 100, Deduct	-28.09		
		For >100, Deduct	-42.01		
08 14 16 00-0642	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	303.85	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	295.84		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.58		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.61		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	128.63		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	205.80		
		For >25 To 50, Deduct	-16.79		
		For >50 To 100, Deduct	-28.24		
		For >100, Deduct	-42.27		
08 14 16 00-0643	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.31	69.05	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	298.77		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.78		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.53		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	129.90		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	207.84		
		For >25 To 50, Deduct	-17.29		
		For >50 To 100, Deduct	-28.97		
		For >100, Deduct	-43.24		
08 14 16 00-0644	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.96	69.05	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	325.77		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.66		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.98		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.64		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	226.62		
		For >25 To 50, Deduct	-17.91		
		For >50 To 100, Deduct	-30.34		
		For >100, Deduct	-45.59		
08 14 16 00-0645	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	346.19	71.93	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	349.02		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.28		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.26		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.75		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	242.80		
		For >25 To 50, Deduct	-18.88		
		For >50 To 100, Deduct	-32.09		
		For >100, Deduct	-48.33		



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 14 16 00-0646	EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	356.30 366.46 25.49 114.72 159.33 254.93 -19.29 -32.97 -49.85		71.93	
08 14 16 00-0647	EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	376.55 401.39 27.92 125.65 174.52 279.23 -20.10 -34.75 -52.89		71.93	
08 14 16 00-0648	EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	323.23 339.17 23.59 106.17 147.47 235.94 -17.36 -29.87 -45.32 41.29		63.30	
08 14 16 00-0649	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	323.23 339.17 23.59 106.17 147.47 235.94 -17.36 -29.87 -45.32 41.29		63.30	
08 14 16 00-0650	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	329.55 340.17 23.66 106.49 147.90 236.64 -17.81 -30.49 -46.12 41.41		66.18	
08 14 16 00-0651	EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	335.23 349.97 24.35 109.56 152.16 243.46 -18.04 -30.99 -46.98 42.60		66.18	
08 14 16 00-0652	EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	337.29 353.52 24.59 110.67 153.71 245.93 -18.12 -31.17 -47.28 43.04		66.18	
08 14 16 00-0653	EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	345.10 357.06 24.84 111.77 155.24 248.39 -18.64 -31.92 -48.31 43.47		69.05	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0654	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	363.80	69.05
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		389.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		27.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		121.87	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		169.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		270.83	
		For >25 To 50, Deduct		-19.39	
		For >50 To 100, Deduct		-33.56	
		For >100, Deduct		-51.12	
		For 9' Door Height, Add		47.39	
08 14 16 00-0655	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	385.64	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		417.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		29.01	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		130.56	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		181.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		290.14	
		For >25 To 50, Deduct		-20.46	
		For >50 To 100, Deduct		-35.54	
		For >100, Deduct		-54.25	
		For 9' Door Height, Add		50.77	
08 14 16 00-0656	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	397.72	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		437.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		30.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		137.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		190.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		304.63	
		For >25 To 50, Deduct		-20.94	
		For >50 To 100, Deduct		-36.60	
		For >100, Deduct		-56.06	
		For 9' Door Height, Add		53.31	
08 14 16 00-0657	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	421.92	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		479.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		33.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		150.15	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		208.55	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		333.67	
		For >25 To 50, Deduct		-21.91	
		For >50 To 100, Deduct		-38.72	
		For >100, Deduct		-59.69	
		For 9' Door Height, Add		58.39	
08 14 16 00-0658 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)					
08 14 16 00-0659	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	.....	261.55	63.30
		For Stave Lumber Core (SLC), Add		101.21	
		For Structural Composite Lumber Core (SCLC), Add		60.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		16.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		72.87	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		101.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		161.93	
		For >25 To 50, Deduct		-14.89	
		For >50 To 100, Deduct		-24.47	
		For >100, Deduct		-36.07	
08 14 16 00-0660	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	.....	261.55	63.30
		For Stave Lumber Core (SLC), Add		101.21	
		For Structural Composite Lumber Core (SCLC), Add		60.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		16.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		72.87	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		101.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		161.93	
		For >25 To 50, Deduct		-14.89	
		For >50 To 100, Deduct		-24.47	
		For >100, Deduct		-36.07	
08 14 16 00-0661	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	.....	275.10	66.18
		For Stave Lumber Core (SLC), Add		107.06	
		For Structural Composite Lumber Core (SCLC), Add		64.24	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		17.13	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		77.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		107.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		171.30	
		For >25 To 50, Deduct		-15.64	
		For >50 To 100, Deduct		-25.73	
		For >100, Deduct		-37.96	
08 14 16 00-0662	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	.....	282.90	66.18
		For Stave Lumber Core (SLC), Add		112.91	
		For Structural Composite Lumber Core (SCLC), Add		67.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		18.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		81.30	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		112.91	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		180.66	
		For >25 To 50, Deduct		-15.95	
		For >50 To 100, Deduct		-26.41	
		For >100, Deduct		-39.13	



Openings			08
Doors and Frames			08 10
Wood Doors			08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0663	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	284.35 114.00 68.40 18.24 82.08 114.00 182.40 -16.01 -26.54 -39.34	66.18
08 14 16 00-0664	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	291.58 115.10 69.06 18.42 82.87 115.10 184.16 -16.50 -27.24 -40.28	69.05
08 14 16 00-0665	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	308.50 127.79 76.68 20.45 92.01 127.79 204.47 -17.17 -28.72 -42.82	69.05
08 14 16 00-0666	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	345.14 150.96 90.58 24.15 108.69 150.96 241.54 -18.84 -32.00 -48.17	71.93
08 14 16 00-0667	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	355.21 158.51 95.11 25.36 114.13 158.51 253.62 -19.24 -32.88 -49.69	71.93
08 14 16 00-0668	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	375.32 173.60 104.16 27.78 124.99 173.60 277.75 -20.05 -34.64 -52.70	71.93
08 14 16 00-0669	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	269.41 107.10 64.26 17.14 77.11 107.10 171.36 -15.21 -25.16 -37.25	63.30
08 14 16 00-0670	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	269.41 107.10 64.26 17.14 77.11 107.10 171.36 -15.21 -25.16 -37.25	63.30

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0671	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 283.42		66.18
			For Stave Lumber Core (SLC), Add	113.30	
			For Structural Composite Lumber Core (SCLC), Add	67.98	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.13	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	81.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	113.30	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	181.28	
			For >25 To 50, Deduct	-15.97	
			For >50 To 100, Deduct	-26.45	
			For >100, Deduct	-39.20	
08 14 16 00-0672	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 291.67		66.18
			For Stave Lumber Core (SLC), Add	119.49	
			For Structural Composite Lumber Core (SCLC), Add	71.69	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.12	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	86.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	119.49	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	191.18	
			For >25 To 50, Deduct	-16.30	
			For >50 To 100, Deduct	-27.18	
			For >100, Deduct	-40.44	
08 14 16 00-0673	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 293.20		66.18
			For Stave Lumber Core (SLC), Add	120.64	
			For Structural Composite Lumber Core (SCLC), Add	72.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	86.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	120.64	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	193.02	
			For >25 To 50, Deduct	-16.36	
			For >50 To 100, Deduct	-27.31	
			For >100, Deduct	-40.67	
08 14 16 00-0674	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 300.52		69.05
			For Stave Lumber Core (SLC), Add	121.81	
			For Structural Composite Lumber Core (SCLC), Add	73.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.49	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	87.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	121.81	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	194.89	
			For >25 To 50, Deduct	-16.85	
			For >50 To 100, Deduct	-28.02	
			For >100, Deduct	-41.63	
08 14 16 00-0675	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 318.41		69.05
			For Stave Lumber Core (SLC), Add	135.23	
			For Structural Composite Lumber Core (SCLC), Add	81.14	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.64	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.23	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.36	
			For >25 To 50, Deduct	-17.57	
			For >50 To 100, Deduct	-29.59	
			For >100, Deduct	-44.31	
08 14 16 00-0676	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 356.85		71.93
			For Stave Lumber Core (SLC), Add	159.74	
			For Structural Composite Lumber Core (SCLC), Add	95.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	255.59	
			For >25 To 50, Deduct	-19.31	
			For >50 To 100, Deduct	-33.02	
			For >100, Deduct	-49.93	
08 14 16 00-0677	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 367.51		71.93
			For Stave Lumber Core (SLC), Add	167.74	
			For Structural Composite Lumber Core (SCLC), Add	100.64	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.84	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	120.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	167.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	268.38	
			For >25 To 50, Deduct	-19.74	
			For >50 To 100, Deduct	-33.96	
			For >100, Deduct	-51.53	
08 14 16 00-0678	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door 388.80		71.93
			For Stave Lumber Core (SLC), Add	183.71	
			For Structural Composite Lumber Core (SCLC), Add	110.22	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.39	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.93	
			For >25 To 50, Deduct	-20.59	
			For >50 To 100, Deduct	-35.82	
			For >100, Deduct	-54.72	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 14 16 00-0679	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	297.25	63.30
		For Stave Lumber Core (SLC), Add	127.98	
		For Structural Composite Lumber Core (SCLC), Add	76.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.15	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.98	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.77	
		For >25 To 50, Deduct	-16.32	
		For >50 To 100, Deduct	-27.59	
		For >100, Deduct	-41.42	
		For 9' Door Height, Add	35.83	
08 14 16 00-0680	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	297.25	63.30
		For Stave Lumber Core (SLC), Add	127.98	
		For Structural Composite Lumber Core (SCLC), Add	76.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.15	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.98	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.77	
		For >25 To 50, Deduct	-16.32	
		For >50 To 100, Deduct	-27.59	
		For >100, Deduct	-41.42	
		For 9' Door Height, Add	35.83	
08 14 16 00-0681	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	312.88	66.18
		For Stave Lumber Core (SLC), Add	135.40	
		For Structural Composite Lumber Core (SCLC), Add	81.24	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.64	
		For >25 To 50, Deduct	-17.15	
		For >50 To 100, Deduct	-29.03	
		For >100, Deduct	-43.62	
		For 9' Door Height, Add	37.91	
08 14 16 00-0682	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	322.74	66.18
		For Stave Lumber Core (SLC), Add	142.79	
		For Structural Composite Lumber Core (SCLC), Add	85.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.81	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	228.47	
		For >25 To 50, Deduct	-17.54	
		For >50 To 100, Deduct	-29.89	
		For >100, Deduct	-45.10	
		For 9' Door Height, Add	39.98	
08 14 16 00-0683	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	324.57	66.18
		For Stave Lumber Core (SLC), Add	144.17	
		For Structural Composite Lumber Core (SCLC), Add	86.50	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	144.17	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	230.66	
		For >25 To 50, Deduct	-17.62	
		For >50 To 100, Deduct	-30.05	
		For >100, Deduct	-45.38	
		For 9' Door Height, Add	40.37	
08 14 16 00-0684	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	332.19	69.05
		For Stave Lumber Core (SLC), Add	145.56	
		For Structural Composite Lumber Core (SCLC), Add	87.34	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.29	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	145.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	232.90	
		For >25 To 50, Deduct	-18.12	
		For >50 To 100, Deduct	-30.79	
		For >100, Deduct	-46.38	
		For 9' Door Height, Add	40.76	
08 14 16 00-0685	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	353.57	69.05
		For Stave Lumber Core (SLC), Add	161.60	
		For Structural Composite Lumber Core (SCLC), Add	96.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.60	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.55	
		For >25 To 50, Deduct	-18.98	
		For >50 To 100, Deduct	-32.66	
		For >100, Deduct	-49.58	
		For 9' Door Height, Add	45.25	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0686	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	398.37 190.88 114.53 30.54 137.44 190.88 305.41 -20.97 -36.66 -56.16 53.45	71.93
08 14 16 00-0687	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	411.12 200.45 120.27 32.07 144.32 200.45 320.71 -21.48 -37.77 -58.07 56.12	71.93
08 14 16 00-0688	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	436.56 219.53 131.72 35.12 158.06 219.53 351.24 -22.50 -40.00 -61.89 61.47	71.93
08 14 16 00-0689		2-1/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)		
08 14 16 00-0690		Birch Faced Wood Doors (08 14 16 00-0689)		
08 14 16 00-0691	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	363.27	63.30
08 14 16 00-0692	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	363.27	63.30
08 14 16 00-0693	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	381.39	66.18
08 14 16 00-0694	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	391.75	66.18
08 14 16 00-0695	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.71	66.18
08 14 16 00-0696	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.34	69.05
08 14 16 00-0697	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	441.39	69.05
08 14 16 00-0698	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	512.07	71.93
08 14 16 00-0699	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	530.51	71.93
08 14 16 00-0700	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	578.82	77.69
08 14 16 00-0701	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.04	63.30
08 14 16 00-0702	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.04	63.30
08 14 16 00-0703	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	395.87	66.18
08 14 16 00-0704	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	406.86	66.18
08 14 16 00-0705	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	414.20	66.18
08 14 16 00-0706	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.24	69.05
08 14 16 00-0707	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	459.04	69.05
08 14 16 00-0708	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	533.51	71.93
08 14 16 00-0709	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	553.01	71.93
08 14 16 00-0710	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	603.47	77.69
08 14 16 00-0711	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.14	63.30
08 14 16 00-0712	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.14	63.30
08 14 16 00-0713	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	448.58	66.18
08 14 16 00-0714	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	461.76	66.18
08 14 16 00-0715	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	470.56	66.18
08 14 16 00-0716	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	485.05	69.05
08 14 16 00-0717	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	523.23	69.05
08 14 16 00-0718	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	611.45	71.93
08 14 16 00-0719	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	634.85	71.93
08 14 16 00-0720	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	693.08	77.69
08 14 16 00-0721		Oak Faced Wood Doors (08 14 16 00-0689)		
08 14 16 00-0722	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	630.99	63.30
08 14 16 00-0723	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	630.99	63.30
08 14 16 00-0724	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	636.73	66.18
08 14 16 00-0725	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	641.96	66.18
08 14 16 00-0726	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	644.29	66.18
08 14 16 00-0727	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	652.37	69.05
08 14 16 00-0728	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	708.90	69.05
08 14 16 00-0729	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	860.10	71.93
08 14 16 00-0730	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	896.40	71.93
08 14 16 00-0731	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	979.06	77.69
08 14 16 00-0732	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	660.36	63.30
08 14 16 00-0733	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	660.36	63.30



Openings			08
Doors and Frames			08 10
Wood Doors			08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 16 00-0734	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	666.10	66.18
08 14 16 00-0735	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	671.60	66.18
08 14 16 00-0736	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	674.08	66.18
08 14 16 00-0737	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	682.32	69.05
08 14 16 00-0738	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	742.11	69.05
08 14 16 00-0739	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	901.79	71.93
08 14 16 00-0740	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	940.19	71.93
08 14 16 00-0741	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,026.99	77.69
08 14 16 00-0742	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	767.10	63.30
08 14 16 00-0743	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	767.10	63.30
08 14 16 00-0744	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	772.84	66.18
08 14 16 00-0745	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	779.47	66.18
08 14 16 00-0746	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	782.41	66.18
08 14 16 00-0747	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	791.16	69.05
08 14 16 00-0748	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	862.91	69.05
08 14 16 00-0749	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,053.36	71.93
08 14 16 00-0750	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,099.47	71.93
08 14 16 00-0751	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,201.30	77.69

08 14 16 00-0752 Maple Faced Wood Doors (08 14 16 00-0689)

08 14 16 00-0753	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	552.64	63.30
08 14 16 00-0754	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	552.64	63.30
08 14 16 00-0755	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	558.38	66.18
08 14 16 00-0756	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	562.80	66.18
08 14 16 00-0757	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	564.76	66.18
08 14 16 00-0758	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	572.48	69.05
08 14 16 00-0759	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	620.21	69.05
08 14 16 00-0760	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	718.57	71.93
08 14 16 00-0761	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	779.08	71.93
08 14 16 00-0762	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	839.60	71.93
08 14 16 00-0763	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	577.43	63.30
08 14 16 00-0764	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	577.43	63.30
08 14 16 00-0765	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	583.17	66.18
08 14 16 00-0766	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	587.83	66.18
08 14 16 00-0767	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	589.90	66.18
08 14 16 00-0768	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	597.76	69.05
08 14 16 00-0769	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	648.27	69.05
08 14 16 00-0770	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	752.03	71.93
08 14 16 00-0771	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	816.61	71.93
08 14 16 00-0772	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	880.07	71.93
08 14 16 00-0773	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	667.58	63.30
08 14 16 00-0774	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	667.58	63.30
08 14 16 00-0775	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	673.32	66.18
08 14 16 00-0776	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	678.92	66.18
08 14 16 00-0777	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	681.42	66.18
08 14 16 00-0778	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	689.69	69.05
08 14 16 00-0779	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	750.29	69.05
08 14 16 00-0780	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	873.63	71.93
08 14 16 00-0781	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	950.51	71.93
08 14 16 00-0782	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	1,027.30	71.93

08 14 16 00-0783 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)

08 14 16 00-0784	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	78.30	
Note: Includes (2) coats any standard manufacturer color on six sides.				
For Custom Color To Match Non-Standard Manufacturer Finish, Add			26.08	
08 14 16 00-0785	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	117.45	
Note: Includes (3) coats any standard manufacturer color on six sides.				
For Custom Color To Match Non-Standard Manufacturer Finish, Add			26.08	

08 14 16 00-0786 Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

08 14 16 00-0787	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door.....	2,379.69	50.64
08 14 16 00-0788	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door.....	2,379.69	158.03
08 14 16 00-0789	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door.....	2,379.69	50.64

08 14 23 Clad Wood Doors (08 14)

08 14 23 13 Metal-Faced Wood Doors (08 14 23)

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	671.01	141.57
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	718.36	155.38
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	773.21	171.49
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	807.27	177.24
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	865.44	195.08
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door.....	934.59	201.42

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)

08 14 23 16-0001	EA	1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.				
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.94	63.30
		For Structural Composite Lumber Core (SCLC), Add	83.40	
		For 5 Ply Construction, Add	6.49	
		For >25 To 50, Deduct	-16.91	
		For >50 To 100, Deduct	-28.88	
		For >100, Deduct	-43.63	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.94	63.30
		For Structural Composite Lumber Core (SCLC), Add	83.40	
		For 5 Ply Construction, Add	6.49	
		For >25 To 50, Deduct	-16.91	
		For >50 To 100, Deduct	-28.88	
		For >100, Deduct	-43.63	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	327.87	66.18
		For Structural Composite Lumber Core (SCLC), Add	87.98	
		For 5 Ply Construction, Add	6.84	
		For >25 To 50, Deduct	-17.75	
		For >50 To 100, Deduct	-30.34	
		For >100, Deduct	-45.87	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	338.07	66.18
		For Structural Composite Lumber Core (SCLC), Add	92.57	
		For 5 Ply Construction, Add	7.20	
		For >25 To 50, Deduct	-18.16	
		For >50 To 100, Deduct	-31.24	
		For >100, Deduct	-47.40	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	343.21	66.18
		For Structural Composite Lumber Core (SCLC), Add	94.89	
		For 5 Ply Construction, Add	7.38	
		For >25 To 50, Deduct	-18.36	
		For >50 To 100, Deduct	-31.69	
		For >100, Deduct	-48.17	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	354.09	69.05
		For Structural Composite Lumber Core (SCLC), Add	97.19	
		For 5 Ply Construction, Add	7.56	
		For >25 To 50, Deduct	-19.00	
		For >50 To 100, Deduct	-32.71	
		For >100, Deduct	-49.66	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	377.84	69.05
		For Structural Composite Lumber Core (SCLC), Add	107.88	
		For 5 Ply Construction, Add	8.39	
		For >25 To 50, Deduct	-19.95	
		For >50 To 100, Deduct	-34.79	
		For >100, Deduct	-53.22	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	398.93	71.93
		For Structural Composite Lumber Core (SCLC), Add	114.78	
		For 5 Ply Construction, Add	8.93	
		For >25 To 50, Deduct	-20.99	
		For >50 To 100, Deduct	-36.70	
		For >100, Deduct	-56.24	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	322.73	63.30
		For Structural Composite Lumber Core (SCLC), Add	88.25	
		For 5 Ply Construction, Add	6.86	
		For >25 To 50, Deduct	-17.34	
		For >50 To 100, Deduct	-29.82	
		For >100, Deduct	-45.24	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	322.72	63.30
		For Structural Composite Lumber Core (SCLC), Add	88.25	
		For 5 Ply Construction, Add	6.86	
		For >25 To 50, Deduct	-17.34	
		For >50 To 100, Deduct	-29.82	
		For >100, Deduct	-45.24	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	339.26	66.18
		For Structural Composite Lumber Core (SCLC), Add	93.11	
		For 5 Ply Construction, Add	7.24	
		For >25 To 50, Deduct	-18.20	
		For >50 To 100, Deduct	-31.34	
		For >100, Deduct	-47.58	



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	350.04	66.18
			For Structural Composite Lumber Core (SCLC), Add	97.96	
			For 5 Ply Construction, Add	7.62	
			For >25 To 50, Deduct	-18.63	
			For >50 To 100, Deduct	-32.28	
			For >100, Deduct	-49.20	
08 14 23 16-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	355.48	66.18
			For Structural Composite Lumber Core (SCLC), Add	100.41	
			For 5 Ply Construction, Add	7.81	
			For >25 To 50, Deduct	-18.85	
			For >50 To 100, Deduct	-32.76	
			For >100, Deduct	-50.01	
08 14 23 16-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	366.66	69.05
			For Structural Composite Lumber Core (SCLC), Add	102.85	
			For 5 Ply Construction, Add	8.00	
			For >25 To 50, Deduct	-19.50	
			For >50 To 100, Deduct	-33.81	
			For >100, Deduct	-51.55	
08 14 23 16-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	391.79	69.05
			For Structural Composite Lumber Core (SCLC), Add	114.16	
			For 5 Ply Construction, Add	8.88	
			For >25 To 50, Deduct	-20.51	
			For >50 To 100, Deduct	-36.01	
			For >100, Deduct	-55.32	
08 14 23 16-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	413.77	71.93
			For Structural Composite Lumber Core (SCLC), Add	121.46	
			For 5 Ply Construction, Add	9.45	
			For >25 To 50, Deduct	-21.59	
			For >50 To 100, Deduct	-38.00	
			For >100, Deduct	-58.47	
08 14 23 16-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	360.97	63.30
			For Structural Composite Lumber Core (SCLC), Add	105.46	
			For 5 Ply Construction, Add	8.20	
			For >25 To 50, Deduct	-18.87	
			For >50 To 100, Deduct	-33.17	
			For >100, Deduct	-50.98	
08 14 23 16-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	360.97	63.30
			For Structural Composite Lumber Core (SCLC), Add	105.46	
			For 5 Ply Construction, Add	8.20	
			For >25 To 50, Deduct	-18.87	
			For >50 To 100, Deduct	-33.17	
			For >100, Deduct	-50.98	
08 14 23 16-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.61	66.18
			For Structural Composite Lumber Core (SCLC), Add	111.27	
			For 5 Ply Construction, Add	8.65	
			For >25 To 50, Deduct	-19.82	
			For >50 To 100, Deduct	-34.87	
			For >100, Deduct	-53.63	
08 14 23 16-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	392.50	66.18
			For Structural Composite Lumber Core (SCLC), Add	117.07	
			For 5 Ply Construction, Add	9.11	
			For >25 To 50, Deduct	-20.33	
			For >50 To 100, Deduct	-36.00	
			For >100, Deduct	-55.57	
08 14 23 16-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	398.99	66.18
			For Structural Composite Lumber Core (SCLC), Add	119.99	
			For 5 Ply Construction, Add	9.33	
			For >25 To 50, Deduct	-20.59	
			For >50 To 100, Deduct	-36.57	
			For >100, Deduct	-56.54	
08 14 23 16-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	411.23	69.05
			For Structural Composite Lumber Core (SCLC), Add	122.90	
			For 5 Ply Construction, Add	9.56	
			For >25 To 50, Deduct	-21.28	
			For >50 To 100, Deduct	-37.71	
			For >100, Deduct	-58.23	
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	441.25	69.05
			For Structural Composite Lumber Core (SCLC), Add	136.41	
			For 5 Ply Construction, Add	10.61	
			For >25 To 50, Deduct	-22.48	
			For >50 To 100, Deduct	-40.34	
			For >100, Deduct	-62.73	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....		466.40		71.93
		For Structural Composite Lumber Core (SCLC), Add		145.14		
		For 5 Ply Construction, Add		11.29		
		For >25 To 50, Deduct		-23.69		
		For >50 To 100, Deduct		-42.61		
		For >100, Deduct		-66.36		
08 14 23 16-0026		1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)				
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.				
08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		442.36		63.30
		For 5 Ply Construction, Add		11.05		
		For Stave Lumber Core (SLC), Add		236.81		
		For Structural Composite Lumber Core (SCLC), Add		142.09		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		544.67		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		37.89		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		170.51		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		236.81		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		378.90		
		For >25 To 50, Deduct		-22.13		
		For >50 To 100, Deduct		-40.29		
		For >100, Deduct		-63.19		
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		442.34		63.30
		For 5 Ply Construction, Add		11.05		
		For Stave Lumber Core (SLC), Add		236.80		
		For Structural Composite Lumber Core (SCLC), Add		142.08		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		544.63		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		37.89		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		170.49		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		236.80		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		378.88		
		For >25 To 50, Deduct		-22.12		
		For >50 To 100, Deduct		-40.29		
		For >100, Deduct		-63.19		
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		457.96		66.18
		For 5 Ply Construction, Add		11.40		
		For Stave Lumber Core (SLC), Add		244.21		
		For Structural Composite Lumber Core (SCLC), Add		146.52		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		561.68		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		39.07		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		175.83		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		244.21		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		390.73		
		For >25 To 50, Deduct		-22.95		
		For >50 To 100, Deduct		-41.73		
		For >100, Deduct		-65.39		
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		457.96		66.18
		For 5 Ply Construction, Add		11.40		
		For Stave Lumber Core (SLC), Add		244.21		
		For Structural Composite Lumber Core (SCLC), Add		146.52		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		561.68		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		39.07		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		175.83		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		244.21		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		390.73		
		For >25 To 50, Deduct		-22.95		
		For >50 To 100, Deduct		-41.73		
		For >100, Deduct		-65.39		
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		477.52		66.18
		For 5 Ply Construction, Add		12.08		
		For Stave Lumber Core (SLC), Add		258.88		
		For Structural Composite Lumber Core (SCLC), Add		155.33		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		595.42		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		41.42		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		186.39		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		258.88		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		414.20		
		For >25 To 50, Deduct		-23.73		
		For >50 To 100, Deduct		-43.44		
		For >100, Deduct		-68.32		



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 23 16-0032	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		502.83	69.05
	For 5 Ply Construction, Add		12.77	
	For Stave Lumber Core (SLC), Add		273.54	
	For Structural Composite Lumber Core (SCLC), Add		164.12	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		629.14	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		43.77	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		196.95	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		273.54	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		437.66	
	For >25 To 50, Deduct		-24.95	
	For >50 To 100, Deduct		-45.72	
	For >100, Deduct		-71.97	
08 14 23 16-0033	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		522.82	69.05
	For 5 Ply Construction, Add		13.46	
	For Stave Lumber Core (SLC), Add		288.53	
	For Structural Composite Lumber Core (SCLC), Add		173.12	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		663.62	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		46.17	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		207.74	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		288.53	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		461.65	
	For >25 To 50, Deduct		-25.75	
	For >50 To 100, Deduct		-47.47	
	For >100, Deduct		-74.97	
08 14 23 16-0034	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		538.55	71.93
	For 5 Ply Construction, Add		13.81	
	For Stave Lumber Core (SLC), Add		296.02	
	For Structural Composite Lumber Core (SCLC), Add		177.61	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		680.84	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.36	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		213.13	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		296.02	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		473.63	
	For >25 To 50, Deduct		-26.58	
	For >50 To 100, Deduct		-48.92	
	For >100, Deduct		-77.19	
08 14 23 16-0035	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		558.28	71.93
	For 5 Ply Construction, Add		14.50	
	For Stave Lumber Core (SLC), Add		310.82	
	For Structural Composite Lumber Core (SCLC), Add		186.49	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		714.87	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		49.73	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		223.79	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		310.82	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		497.30	
	For >25 To 50, Deduct		-27.37	
	For >50 To 100, Deduct		-50.65	
	For >100, Deduct		-80.15	
08 14 23 16-0036	EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		609.27	77.69
	For 5 Ply Construction, Add		15.89	
	For Stave Lumber Core (SLC), Add		340.42	
	For Structural Composite Lumber Core (SCLC), Add		204.25	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		782.96	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		54.47	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		245.10	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		340.42	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		544.67	
	For >25 To 50, Deduct		-29.81	
	For >50 To 100, Deduct		-55.25	
	For >100, Deduct		-87.51	
08 14 23 16-0037	EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		460.74	63.30
	For 5 Ply Construction, Add		11.69	
	For Stave Lumber Core (SLC), Add		250.60	
	For Structural Composite Lumber Core (SCLC), Add		150.36	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		576.37	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		40.10	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		180.43	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		250.60	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		400.96	
	For >25 To 50, Deduct		-22.86	
	For >50 To 100, Deduct		-41.90	
	For >100, Deduct		-65.95	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	460.72		63.30	
		For 5 Ply Construction, Add	11.69			
		For Stave Lumber Core (SLC), Add	250.58			
		For Structural Composite Lumber Core (SCLC), Add	150.35			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	576.34			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.09			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.42			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.58			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.93			
		For >25 To 50, Deduct	-22.86			
		For >50 To 100, Deduct	-41.90			
		For >100, Deduct	-65.94			
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	476.92		66.18	
		For 5 Ply Construction, Add	12.06			
		For Stave Lumber Core (SLC), Add	258.43			
		For Structural Composite Lumber Core (SCLC), Add	155.06			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	594.38			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.35			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.07			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.43			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	413.48			
		For >25 To 50, Deduct	-23.71			
		For >50 To 100, Deduct	-43.38			
		For >100, Deduct	-68.23			
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	476.92		66.18	
		For 5 Ply Construction, Add	12.06			
		For Stave Lumber Core (SLC), Add	258.43			
		For Structural Composite Lumber Core (SCLC), Add	155.06			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	594.38			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.35			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.07			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.43			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	413.48			
		For >25 To 50, Deduct	-23.71			
		For >50 To 100, Deduct	-43.38			
		For >100, Deduct	-68.23			
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	497.61		66.18	
		For 5 Ply Construction, Add	12.78			
		For Stave Lumber Core (SLC), Add	273.95			
		For Structural Composite Lumber Core (SCLC), Add	164.37			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	630.07			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.83			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.24			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.95			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	438.31			
		For >25 To 50, Deduct	-24.54			
		For >50 To 100, Deduct	-45.20			
		For >100, Deduct	-71.33			
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	524.07		69.05	
		For 5 Ply Construction, Add	13.51			
		For Stave Lumber Core (SLC), Add	289.47			
		For Structural Composite Lumber Core (SCLC), Add	173.68			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	665.78			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.32			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.42			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.47			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.15			
		For >25 To 50, Deduct	-25.80			
		For >50 To 100, Deduct	-47.58			
		For >100, Deduct	-75.16			
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	545.20		69.05	
		For 5 Ply Construction, Add	14.25			
		For Stave Lumber Core (SLC), Add	305.32			
		For Structural Composite Lumber Core (SCLC), Add	183.19			
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	702.23			
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.85			
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	219.83			
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	305.32			
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	488.51			
		For >25 To 50, Deduct	-26.64			
		For >50 To 100, Deduct	-49.43			
		For >100, Deduct	-78.33			



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 23 16-0044	EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	561.52		71.93
	For 5 Ply Construction, Add	14.62		
	For Stave Lumber Core (SLC), Add	313.25		
	For Structural Composite Lumber Core (SCLC), Add	187.95		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	720.46		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.12		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	225.54		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	313.25		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	501.19		
	For >25 To 50, Deduct	-27.50		
	For >50 To 100, Deduct	-50.93		
	For >100, Deduct	-80.63		
08 14 23 16-0045	EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	582.40		71.93
	For 5 Ply Construction, Add	15.35		
	For Stave Lumber Core (SLC), Add	328.91		
	For Structural Composite Lumber Core (SCLC), Add	197.34		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	756.48		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.62		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.81		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.91		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	526.25		
	For >25 To 50, Deduct	-28.33		
	For >50 To 100, Deduct	-52.76		
	For >100, Deduct	-83.76		
08 14 23 16-0046	EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	635.68		77.69
	For 5 Ply Construction, Add	16.81		
	For Stave Lumber Core (SLC), Add	360.23		
	For Structural Composite Lumber Core (SCLC), Add	216.14		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	828.52		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.64		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	259.36		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	360.23		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	576.36		
	For >25 To 50, Deduct	-30.87		
	For >50 To 100, Deduct	-57.56		
	For >100, Deduct	-91.47		
08 14 23 16-0047	EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	525.90		63.30
	For 5 Ply Construction, Add	13.98		
	For Stave Lumber Core (SLC), Add	299.47		
	For Structural Composite Lumber Core (SCLC), Add	179.68		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	688.78		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.91		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.62		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.47		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	479.15		
	For >25 To 50, Deduct	-25.47		
	For >50 To 100, Deduct	-47.60		
	For >100, Deduct	-75.72		
08 14 23 16-0048	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	525.88		63.30
	For 5 Ply Construction, Add	13.97		
	For Stave Lumber Core (SLC), Add	299.45		
	For Structural Composite Lumber Core (SCLC), Add	179.67		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	688.74		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.91		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.61		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.45		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	479.12		
	For >25 To 50, Deduct	-25.47		
	For >50 To 100, Deduct	-47.60		
	For >100, Deduct	-75.72		
08 14 23 16-0049	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	544.11		66.18
	For 5 Ply Construction, Add	14.41		
	For Stave Lumber Core (SLC), Add	308.82		
	For Structural Composite Lumber Core (SCLC), Add	185.29		
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	710.29		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.41		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.35		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.82		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	494.11		
	For >25 To 50, Deduct	-26.40		
	For >50 To 100, Deduct	-49.26		
	For >100, Deduct	-78.31		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	544.11		66.18
		For 5 Ply Construction, Add	14.41		
		For Stave Lumber Core (SLC), Add	308.82		
		For Structural Composite Lumber Core (SCLC), Add	185.29		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	710.29		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.41		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.35		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.82		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	494.11		
		For >25 To 50, Deduct	-26.40		
		For >50 To 100, Deduct	-49.26		
		For >100, Deduct	-78.31		
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	568.83		66.18
		For 5 Ply Construction, Add	15.28		
		For Stave Lumber Core (SLC), Add	327.36		
		For Structural Composite Lumber Core (SCLC), Add	196.42		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	752.93		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.38		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.70		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	327.36		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	523.78		
		For >25 To 50, Deduct	-27.39		
		For >50 To 100, Deduct	-51.43		
		For >100, Deduct	-82.02		
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	599.33		69.05
		For 5 Ply Construction, Add	16.14		
		For Stave Lumber Core (SLC), Add	345.92		
		For Structural Composite Lumber Core (SCLC), Add	207.55		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	795.60		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.35		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.06		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.92		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.46		
		For >25 To 50, Deduct	-28.81		
		For >50 To 100, Deduct	-54.17		
		For >100, Deduct	-86.45		
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	624.58		69.05
		For 5 Ply Construction, Add	17.03		
		For Stave Lumber Core (SLC), Add	364.85		
		For Structural Composite Lumber Core (SCLC), Add	218.91		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	839.16		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.38		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	262.69		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	364.85		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	583.76		
		For >25 To 50, Deduct	-29.82		
		For >50 To 100, Deduct	-56.38		
		For >100, Deduct	-90.23		
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	642.96		71.93
		For 5 Ply Construction, Add	17.47		
		For Stave Lumber Core (SLC), Add	374.33		
		For Structural Composite Lumber Core (SCLC), Add	224.60		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	860.95		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.89		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	269.51		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	374.33		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	598.92		
		For >25 To 50, Deduct	-30.75		
		For >50 To 100, Deduct	-58.06		
		For >100, Deduct	-92.85		
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	667.90		71.93
		For 5 Ply Construction, Add	18.34		
		For Stave Lumber Core (SLC), Add	393.03		
		For Structural Composite Lumber Core (SCLC), Add	235.82		
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	903.97		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.88		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.98		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	393.03		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	628.85		
		For >25 To 50, Deduct	-31.75		
		For >50 To 100, Deduct	-60.24		
		For >100, Deduct	-96.59		



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	729.34	77.69
			For 5 Ply Construction, Add	20.09	
			For Stave Lumber Core (SLC), Add	430.47	
			For Structural Composite Lumber Core (SCLC), Add	258.28	
			For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	990.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.88	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.94	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	430.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	688.75	
			For >25 To 50, Deduct	-34.61	
			For >50 To 100, Deduct	-65.76	
			For >100, Deduct	-105.52	
08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)					
08 14 23 19-0001			1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)		
08 14 23 19-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	224.22	63.30
			For >25 To 50, Deduct	-13.40	
			For >50 To 100, Deduct	-21.20	
			For >100, Deduct	-30.47	
08 14 23 19-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	224.22	63.30
			For >25 To 50, Deduct	-13.40	
			For >50 To 100, Deduct	-21.20	
			For >100, Deduct	-30.47	
08 14 23 19-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	237.08	66.18
			For >25 To 50, Deduct	-14.12	
			For >50 To 100, Deduct	-22.40	
			For >100, Deduct	-32.25	
08 14 23 19-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	240.47	66.18
			For >25 To 50, Deduct	-14.25	
			For >50 To 100, Deduct	-22.70	
			For >100, Deduct	-32.76	
08 14 23 19-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	243.83	66.18
			For >25 To 50, Deduct	-14.39	
			For >50 To 100, Deduct	-22.99	
			For >100, Deduct	-33.27	
08 14 23 19-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	252.98	69.05
			For >25 To 50, Deduct	-14.95	
			For >50 To 100, Deduct	-23.86	
			For >100, Deduct	-34.49	
08 14 23 19-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	265.60	69.05
			For >25 To 50, Deduct	-15.46	
			For >50 To 100, Deduct	-24.97	
			For >100, Deduct	-36.39	
08 14 23 19-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	279.52	71.93
			For >25 To 50, Deduct	-16.22	
			For >50 To 100, Deduct	-26.26	
			For >100, Deduct	-38.33	
08 14 23 19-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	229.90	63.30
			For >25 To 50, Deduct	-13.63	
			For >50 To 100, Deduct	-21.70	
			For >100, Deduct	-31.32	
08 14 23 19-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	229.90	63.30
			For >25 To 50, Deduct	-13.63	
			For >50 To 100, Deduct	-21.70	
			For >100, Deduct	-31.32	
08 14 23 19-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	243.18	66.18
			For >25 To 50, Deduct	-14.36	
			For >50 To 100, Deduct	-22.93	
			For >100, Deduct	-33.17	
08 14 23 19-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	246.75	66.18
			For >25 To 50, Deduct	-14.50	
			For >50 To 100, Deduct	-23.25	
			For >100, Deduct	-33.70	
08 14 23 19-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	250.32	66.18
			For >25 To 50, Deduct	-14.65	
			For >50 To 100, Deduct	-23.56	
			For >100, Deduct	-34.24	
08 14 23 19-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.66	69.05
			For >25 To 50, Deduct	-15.22	
			For >50 To 100, Deduct	-24.45	
			For >100, Deduct	-35.50	
08 14 23 19-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	273.01	69.05
			For >25 To 50, Deduct	-15.75	
			For >50 To 100, Deduct	-25.61	
			For >100, Deduct	-37.50	
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.40	71.93
			For >25 To 50, Deduct	-16.53	
			For >50 To 100, Deduct	-26.95	
			For >100, Deduct	-39.51	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.05	63.30	
		For >25 To 50, Deduct	-14.43		
		For >50 To 100, Deduct	-23.46		
		For >100, Deduct	-34.34		
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.05	63.30	
		For >25 To 50, Deduct	-14.43		
		For >50 To 100, Deduct	-23.46		
		For >100, Deduct	-34.34		
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.80	66.18	
		For >25 To 50, Deduct	-15.22		
		For >50 To 100, Deduct	-24.82		
		For >100, Deduct	-36.41		
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	269.06	66.18	
		For >25 To 50, Deduct	-15.39		
		For >50 To 100, Deduct	-25.20		
		For >100, Deduct	-37.05		
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.34	66.18	
		For >25 To 50, Deduct	-15.57		
		For >50 To 100, Deduct	-25.57		
		For >100, Deduct	-37.69		
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.36	69.05	
		For >25 To 50, Deduct	-16.17		
		For >50 To 100, Deduct	-26.52		
		For >100, Deduct	-39.05		
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.31	69.05	
		For >25 To 50, Deduct	-16.81		
		For >50 To 100, Deduct	-27.92		
		For >100, Deduct	-41.44		
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.38	71.93	
		For >25 To 50, Deduct	-17.65		
		For >50 To 100, Deduct	-29.39		
		For >100, Deduct	-43.71		
08 14 23 19-0026		1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)			
08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	248.24	63.30	
		For >25 To 50, Deduct	-14.36		
		For >50 To 100, Deduct	-23.30		
		For >100, Deduct	-34.07		
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	248.24	63.30	
		For >25 To 50, Deduct	-14.36		
		For >50 To 100, Deduct	-23.30		
		For >100, Deduct	-34.07		
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.34	66.18	
		For >25 To 50, Deduct	-14.93		
		For >50 To 100, Deduct	-24.17		
		For >100, Deduct	-35.29		
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.12	66.18	
		For >25 To 50, Deduct	-15.20		
		For >50 To 100, Deduct	-24.76		
		For >100, Deduct	-36.31		
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.51	66.18	
		For >25 To 50, Deduct	-15.33		
		For >50 To 100, Deduct	-25.06		
		For >100, Deduct	-36.82		
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.61	69.05	
		For >25 To 50, Deduct	-15.90		
		For >50 To 100, Deduct	-25.93		
		For >100, Deduct	-38.04		
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.33	69.05	
		For >25 To 50, Deduct	-16.21		
		For >50 To 100, Deduct	-26.61		
		For >100, Deduct	-39.20		
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.20	71.93	
		For >25 To 50, Deduct	-17.64		
		For >50 To 100, Deduct	-29.38		
		For >100, Deduct	-43.68		
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.76	71.93	
		For >25 To 50, Deduct	-17.99		
		For >50 To 100, Deduct	-30.13		
		For >100, Deduct	-44.97		
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.92	71.93	
		For >25 To 50, Deduct	-18.67		
		For >50 To 100, Deduct	-31.63		
		For >100, Deduct	-47.54		
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	255.30	63.30	
		For >25 To 50, Deduct	-14.64		
		For >50 To 100, Deduct	-23.92		
		For >100, Deduct	-35.13		
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	255.30	63.30	
		For >25 To 50, Deduct	-14.64		
		For >50 To 100, Deduct	-23.92		
		For >100, Deduct	-35.13		



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	264.62 -15.22 -24.81 -36.38	66.18
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	271.79 -15.50 -25.44 -37.46	66.18
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	275.36 -15.65 -25.75 -38.00	66.18
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	284.67 -16.22 -26.64 -39.25	69.05
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	292.84 -16.55 -27.35 -40.47	69.05
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	325.18 -18.04 -30.25 -45.18	71.93
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	334.25 -18.41 -31.05 -46.54	71.93
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	352.38 -19.13 -32.63 -49.26	71.93
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	280.40 -15.65 -26.12 -38.89	63.30
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	280.40 -15.65 -26.12 -38.89	63.30
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	290.42 -16.25 -27.07 -40.25	66.18
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	298.99 -16.59 -27.82 -41.54	66.18
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	303.24 -16.76 -28.19 -42.18	66.18
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	313.26 -17.36 -29.14 -43.54	69.05
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	323.01 -17.75 -29.99 -45.00	69.05
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	360.55 -19.46 -33.35 -50.49	71.93
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	371.38 -19.89 -34.29 -52.11	71.93
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	393.05 -20.76 -36.19 -55.36	71.93
08 14 23 19-0057			1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	267.87 -15.15 -25.02 -37.02	63.30

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.87	63.30
			For >25 To 50, Deduct	-15.15	
			For >50 To 100, Deduct	-25.02	
			For >100, Deduct	-37.02	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.82	66.18
			For >25 To 50, Deduct	-15.91	
			For >50 To 100, Deduct	-26.31	
			For >100, Deduct	-38.96	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.00	66.18
			For >25 To 50, Deduct	-16.23	
			For >50 To 100, Deduct	-27.03	
			For >100, Deduct	-40.19	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	291.50	66.18
			For >25 To 50, Deduct	-16.29	
			For >50 To 100, Deduct	-27.16	
			For >100, Deduct	-40.42	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.79	69.05
			For >25 To 50, Deduct	-16.79	
			For >50 To 100, Deduct	-27.87	
			For >100, Deduct	-41.37	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	316.52	69.05
			For >25 To 50, Deduct	-17.49	
			For >50 To 100, Deduct	-29.42	
			For >100, Deduct	-44.03	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.58	71.93
			For >25 To 50, Deduct	-19.22	
			For >50 To 100, Deduct	-32.82	
			For >100, Deduct	-49.59	
08 14 23 19-0066	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.11	63.30
			For >25 To 50, Deduct	-15.48	
			For >50 To 100, Deduct	-25.74	
			For >100, Deduct	-38.25	
08 14 23 19-0067	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.11	63.30
			For >25 To 50, Deduct	-15.48	
			For >50 To 100, Deduct	-25.74	
			For >100, Deduct	-38.25	
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.52	66.18
			For >25 To 50, Deduct	-16.25	
			For >50 To 100, Deduct	-27.07	
			For >100, Deduct	-40.27	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.17	66.18
			For >25 To 50, Deduct	-16.60	
			For >50 To 100, Deduct	-27.83	
			For >100, Deduct	-41.57	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	300.78	66.18
			For >25 To 50, Deduct	-16.66	
			For >50 To 100, Deduct	-27.97	
			For >100, Deduct	-41.81	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.14	69.05
			For >25 To 50, Deduct	-17.16	
			For >50 To 100, Deduct	-28.69	
			For >100, Deduct	-42.77	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.91	69.05
			For >25 To 50, Deduct	-17.91	
			For >50 To 100, Deduct	-30.33	
			For >100, Deduct	-45.58	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.86	71.93
			For >25 To 50, Deduct	-19.71	
			For >50 To 100, Deduct	-33.90	
			For >100, Deduct	-51.43	
08 14 23 19-0074	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.26	63.30
			For >25 To 50, Deduct	-16.64	
			For >50 To 100, Deduct	-28.29	
			For >100, Deduct	-42.62	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.26	63.30
			For >25 To 50, Deduct	-16.64	
			For >50 To 100, Deduct	-28.29	
			For >100, Deduct	-42.62	



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
08 14 23 19-0076	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	321.37		66.18
	For >25 To 50, Deduct	-17.49		
	For >50 To 100, Deduct	-29.77		
	For >100, Deduct	-44.90		
08 14 23 19-0077	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.70		66.18
	For >25 To 50, Deduct	-17.90		
	For >50 To 100, Deduct	-30.68		
	For >100, Deduct	-46.45		
08 14 23 19-0078	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	333.61		66.18
	For >25 To 50, Deduct	-17.98		
	For >50 To 100, Deduct	-30.85		
	For >100, Deduct	-46.73		
08 14 23 19-0079	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.31		69.05
	For >25 To 50, Deduct	-18.49		
	For >50 To 100, Deduct	-31.59		
	For >100, Deduct	-47.74		
08 14 23 19-0080	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	363.72		69.05
	For >25 To 50, Deduct	-19.38		
	For >50 To 100, Deduct	-33.55		
	For >100, Deduct	-51.11		
08 14 23 19-0081	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	410.35		71.93
	For >25 To 50, Deduct	-21.45		
	For >50 To 100, Deduct	-37.70		
	For >100, Deduct	-57.96		
08 14 23 19-0082	1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 19-0083	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.12		63.30
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	306.20		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.30		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	95.86		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	133.13		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	213.01		
	For >25 To 50, Deduct	-16.60		
	For >50 To 100, Deduct	-28.19		
	For >100, Deduct	-42.45		
08 14 23 19-0084	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.12		63.30
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	306.20		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.30		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	95.86		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	133.13		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	213.01		
	For >25 To 50, Deduct	-16.60		
	For >50 To 100, Deduct	-28.19		
	For >100, Deduct	-42.45		
08 14 23 19-0085	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.14		66.18
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	323.94		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.53		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.41		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.84		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	225.35		
	For >25 To 50, Deduct	-17.44		
	For >50 To 100, Deduct	-29.67		
	For >100, Deduct	-44.71		
08 14 23 19-0086	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.39		66.18
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	341.62		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.76		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.94		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.53		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	237.65		
	For >25 To 50, Deduct	-17.85		
	For >50 To 100, Deduct	-30.56		
	For >100, Deduct	-46.25		
08 14 23 19-0087	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	332.30		66.18
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	344.91		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.99		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.97		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.96		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	239.94		
	For >25 To 50, Deduct	-17.92		
	For >50 To 100, Deduct	-30.73		
	For >100, Deduct	-46.54		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		340.00	69.05
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		348.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.23	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		109.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		151.42	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		242.27	
		For >25 To 50, Deduct		-18.43	
		For >50 To 100, Deduct		-31.48	
		For >100, Deduct		-47.55	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		362.25	69.05
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		386.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		121.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		168.11	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		268.97	
		For >25 To 50, Deduct		-19.32	
		For >50 To 100, Deduct		-33.42	
		For >100, Deduct		-50.88	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		408.63	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		456.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		142.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		198.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		317.72	
		For >25 To 50, Deduct		-21.38	
		For >50 To 100, Deduct		-37.55	
		For >100, Deduct		-57.70	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		421.89	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		479.60	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		33.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		150.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		208.52	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		333.64	
		For >25 To 50, Deduct		-21.91	
		For >50 To 100, Deduct		-38.71	
		For >100, Deduct		-59.69	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		448.34	71.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		525.23	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		36.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		164.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		228.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		365.38	
		For >25 To 50, Deduct		-22.97	
		For >50 To 100, Deduct		-41.03	
		For >100, Deduct		-63.65	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		314.45	63.30
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		324.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		101.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		140.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		225.41	
		For >25 To 50, Deduct		-17.01	
		For >50 To 100, Deduct		-29.10	
		For >100, Deduct		-44.00	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		314.45	63.30
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		324.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		101.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		140.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		225.41	
		For >25 To 50, Deduct		-17.01	
		For >50 To 100, Deduct		-29.10	
		For >100, Deduct		-44.00	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		331.07	66.18
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add		342.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		107.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		149.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		238.46	
		For >25 To 50, Deduct		-17.88	
		For >50 To 100, Deduct		-30.62	
		For >100, Deduct		-46.35	



		Openings	08	08
		Doors and Frames	08 10	
		Wood Doors	08 14	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 14 23 19-0096	EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.93		66.18
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	361.53		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.15		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.17		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.19		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	251.50		
	For >25 To 50, Deduct	-18.31		
	For >50 To 100, Deduct	-31.57		
	For >100, Deduct	-47.98		
08 14 23 19-0097	EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.95		66.18
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	365.01		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.39		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.26		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.70		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	253.92		
	For >25 To 50, Deduct	-18.39		
	For >50 To 100, Deduct	-31.75		
	For >100, Deduct	-48.28		
08 14 23 19-0098	EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.75		69.05
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	368.53		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.64		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.37		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.23		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.37		
	For >25 To 50, Deduct	-18.90		
	For >50 To 100, Deduct	-32.50		
	For >100, Deduct	-49.31		
08 14 23 19-0099	EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	375.29		69.05
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	409.14		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.46		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.08		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.89		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	284.62		
	For >25 To 50, Deduct	-19.85		
	For >50 To 100, Deduct	-34.56		
	For >100, Deduct	-52.84		
08 14 23 19-0100	EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	424.04		71.93
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	483.31		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.62		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	151.30		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	210.14		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	336.22		
	For >25 To 50, Deduct	-22.00		
	For >50 To 100, Deduct	-38.90		
	For >100, Deduct	-60.01		
08 14 23 19-0101	EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	438.06		71.93
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	507.50		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.30		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.87		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.65		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	353.04		
	For >25 To 50, Deduct	-22.56		
	For >50 To 100, Deduct	-40.13		
	For >100, Deduct	-62.11		
08 14 23 19-0102	EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	466.07		71.93
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	555.81		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.67		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.99		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	241.66		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	386.65		
	For >25 To 50, Deduct	-23.68		
	For >50 To 100, Deduct	-42.58		
	For >100, Deduct	-66.31		
08 14 23 19-0103	EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.08		63.30
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	387.21		
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.94		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.21		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.35		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.36		
	For >25 To 50, Deduct	-18.47		
	For >50 To 100, Deduct	-32.30		
	For >100, Deduct	-49.50		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.08	63.30	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	387.21		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.94		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.21		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.35		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.36		
		For >25 To 50, Deduct	-18.47		
		For >50 To 100, Deduct	-32.30		
		For >100, Deduct	-49.50		
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	369.83	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	409.65		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.50		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.24		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	178.11		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	284.98		
		For >25 To 50, Deduct	-19.43		
		For >50 To 100, Deduct	-34.01		
		For >100, Deduct	-52.17		
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	382.81	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	432.04		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.06		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	135.25		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.85		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	300.55		
		For >25 To 50, Deduct	-19.94		
		For >50 To 100, Deduct	-35.15		
		For >100, Deduct	-54.11		
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	385.21	66.18	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	436.18		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.34		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.54		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.65		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.43		
		For >25 To 50, Deduct	-20.04		
		For >50 To 100, Deduct	-35.36		
		For >100, Deduct	-54.47		
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	393.42	69.05	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	440.41		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.64		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.87		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.48		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.37		
		For >25 To 50, Deduct	-20.57		
		For >50 To 100, Deduct	-36.15		
		For >100, Deduct	-55.56		
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	421.54	69.05	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	488.92		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.01		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.05		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	212.57		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	340.12		
		For >25 To 50, Deduct	-21.70		
		For >50 To 100, Deduct	-38.61		
		For >100, Deduct	-59.78		
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	478.67	71.93	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	577.55		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.18		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.80		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.11		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	401.77		
		For >25 To 50, Deduct	-24.18		
		For >50 To 100, Deduct	-43.68		
		For >100, Deduct	-68.20		
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	495.44	71.93	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	606.48		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.19		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.85		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.69		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.90		
		For >25 To 50, Deduct	-24.85		
		For >50 To 100, Deduct	-45.15		
		For >100, Deduct	-70.72		



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

08

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
08 14 23 19-0112	EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	528.90		71.93	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	664.19			
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.20			
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.92			
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.78			
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	462.05			
	For >25 To 50, Deduct	-26.19			
	For >50 To 100, Deduct	-48.08			
	For >100, Deduct	-75.74			
08 14 66 Wood Screen Doors (08 14)					
08 14 66 00-0001	Wood Screen Storm Door, Residential Grade (08 14 66)				
	Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).				
08 14 66 00-0002	EA 2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	499.63		165.74	
08 14 66 00-0003	EA 3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	525.20		184.15	
08 14 66 00-0004	EA 2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	499.63		165.74	
08 14 66 00-0005	EA 3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	525.20		184.15	
08 14 73 Sliding Wood Doors (08 14)					
08 14 73 00-0001	Sliding Pocket Door (08 14 73)				
	Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.				
08 14 73 00-0002	Birch Faced Pocket Door (08 14 73 00-0001)				
	Note: Includes door, frame and trim, and all mounting and door hardware.				
08 14 73 00-0003	1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)				
	See CSI section 08 14 73 00-0055 for all jamba and track hardware.				
08 14 73 00-0004	6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)				
08 14 73 00-0005	EA 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	514.09		40.28	
	For Oak, Add	119.66			
	For Ash/Hickory, Add	174.28			
	For Walnut, Add	254.05			
	For Cherry, Add	413.16			
08 14 73 00-0006	EA 2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	530.36		43.16	
	For Oak, Add	122.56			
	For Ash/Hickory, Add	178.51			
	For Walnut, Add	260.21			
	For Cherry, Add	423.18			
08 14 73 00-0007	EA 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	549.22		46.04	
	For Oak, Add	126.18			
	For Ash/Hickory, Add	183.79			
	For Walnut, Add	267.91			
	For Cherry, Add	435.69			
08 14 73 00-0008	EA 2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	562.87		48.92	
	For Oak, Add	128.36			
	For Ash/Hickory, Add	186.96			
	For Walnut, Add	272.53			
	For Cherry, Add	443.21			
08 14 73 00-0009	EA 2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	581.77		51.80	
	For Oak, Add	131.98			
	For Ash/Hickory, Add	192.24			
	For Walnut, Add	280.23			
	For Cherry, Add	455.72			
08 14 73 00-0010	EA 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	598.04		54.67	
	For Oak, Add	134.89			
	For Ash/Hickory, Add	196.47			
	For Walnut, Add	286.39			
	For Cherry, Add	465.75			
08 14 73 00-0011	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,010.94		71.93	
	For Oak, Add	239.31			
	For Ash/Hickory, Add	348.57			
	For Walnut, Add	508.11			
	For Cherry, Add	826.33			
08 14 73 00-0012	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,069.73		77.69	
	For Oak, Add	252.37			
	For Ash/Hickory, Add	367.58			
	For Walnut, Add	535.82			
	For Cherry, Add	871.39			
08 14 73 00-0013	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,144.32		83.44	
	For Oak, Add	269.77			
	For Ash/Hickory, Add	392.93			
	For Walnut, Add	572.77			
	For Cherry, Add	931.49			
08 14 73 00-0014	7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)				

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	606.05	40.28
		For Oak, Add		122.97	
		For Ash/Hickory, Add		122.97	
		For Walnut, Add		202.32	
		For Cherry, Add		379.94	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	635.46	43.16
		For Oak, Add		128.50	
		For Ash/Hickory, Add		128.50	
		For Walnut, Add		211.42	
		For Cherry, Add		397.04	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	656.95	46.04
		For Oak, Add		132.19	
		For Ash/Hickory, Add		132.19	
		For Walnut, Add		217.49	
		For Cherry, Add		408.43	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	675.85	48.92
		For Oak, Add		135.26	
		For Ash/Hickory, Add		135.26	
		For Walnut, Add		222.55	
		For Cherry, Add		417.93	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	692.13	51.80
		For Oak, Add		137.72	
		For Ash/Hickory, Add		137.72	
		For Walnut, Add		226.60	
		For Cherry, Add		425.53	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	713.64	54.67
		For Oak, Add		141.41	
		For Ash/Hickory, Add		141.41	
		For Walnut, Add		232.66	
		For Cherry, Add		436.92	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	1,194.86	71.93
		For Oak, Add		245.93	
		For Ash/Hickory, Add		245.93	
		For Walnut, Add		404.64	
		For Cherry, Add		759.87	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	1,285.18	77.69
		For Oak, Add		264.38	
		For Ash/Hickory, Add		264.38	
		For Walnut, Add		434.98	
		For Cherry, Add		816.86	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	1,375.54	83.44
		For Oak, Add		282.82	
		For Ash/Hickory, Add		282.82	
		For Walnut, Add		465.33	
		For Cherry, Add		873.85	
08 14 73 00-0024		1-3/4" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)			
		See CSI section 08 14 73 00-0055 for all jambs and track hardware.			
08 14 73 00-0025		6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)			
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	763.70	40.28
		For Oak, Add		159.86	
		For Ash/Hickory, Add		159.86	
		For Walnut, Add		263.01	
		For Cherry, Add		493.92	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	800.99	43.16
		For Oak, Add		167.24	
		For Ash/Hickory, Add		167.24	
		For Walnut, Add		275.15	
		For Cherry, Add		516.71	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	822.48	46.04
		For Oak, Add		170.92	
		For Ash/Hickory, Add		170.92	
		For Walnut, Add		281.22	
		For Cherry, Add		528.11	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	846.64	48.92
		For Oak, Add		175.23	
		For Ash/Hickory, Add		175.23	
		For Walnut, Add		288.30	
		For Cherry, Add		541.41	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	868.17	51.80
		For Oak, Add		178.92	
		For Ash/Hickory, Add		178.92	
		For Walnut, Add		294.37	
		For Cherry, Add		552.81	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	889.69	54.67
		For Oak, Add		182.61	
		For Ash/Hickory, Add		182.61	
		For Walnut, Add		300.44	
		For Cherry, Add		564.21	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	.....	1,510.16	71.93
		For Oak, Add		319.71	
		For Ash/Hickory, Add		319.71	
		For Walnut, Add		526.03	
		For Cherry, Add		987.83	



Openings			08	08
Doors and Frames			08 10	
Wood Doors			08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,616.25	77.69	
		For Oak, Add	341.85		
		For Ash/Hickory, Add	341.85		
		For Walnut, Add	562.44		
		For Cherry, Add	1,056.22		
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,727.63	83.44	
		For Oak, Add	365.21		
		For Ash/Hickory, Add	365.21		
		For Walnut, Add	600.88		
		For Cherry, Add	1,128.42		
08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)					
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	816.25	40.28	
		For Oak, Add	172.15		
		For Ash/Hickory, Add	172.15		
		For Walnut, Add	283.24		
		For Cherry, Add	531.91		
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	858.79	43.16	
		For Oak, Add	180.76		
		For Ash/Hickory, Add	180.76		
		For Walnut, Add	297.40		
		For Cherry, Add	558.50		
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	882.92	46.04	
		For Oak, Add	185.07		
		For Ash/Hickory, Add	185.07		
		For Walnut, Add	304.49		
		For Cherry, Add	571.81		
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	907.07	48.92	
		For Oak, Add	189.37		
		For Ash/Hickory, Add	189.37		
		For Walnut, Add	311.57		
		For Cherry, Add	585.10		
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	928.61	51.80	
		For Oak, Add	193.06		
		For Ash/Hickory, Add	193.06		
		For Walnut, Add	317.64		
		For Cherry, Add	596.50		
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.75	54.67	
		For Oak, Add	197.36		
		For Ash/Hickory, Add	197.36		
		For Walnut, Add	324.72		
		For Cherry, Add	609.80		
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,615.26	71.93	
		For Oak, Add	344.31		
		For Ash/Hickory, Add	344.31		
		For Walnut, Add	566.49		
		For Cherry, Add	1,063.82		
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,737.12	77.69	
		For Oak, Add	370.13		
		For Ash/Hickory, Add	370.13		
		For Walnut, Add	608.98		
		For Cherry, Add	1,143.61		
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,853.75	83.44	
		For Oak, Add	394.73		
		For Ash/Hickory, Add	394.73		
		For Walnut, Add	649.44		
		For Cherry, Add	1,219.60		
08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)					
08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	868.80	40.28	
		For Oak, Add	184.45		
		For Ash/Hickory, Add	184.45		
		For Walnut, Add	303.48		
		For Cherry, Add	569.90		
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	911.35	43.16	
		For Oak, Add	193.06		
		For Ash/Hickory, Add	193.06		
		For Walnut, Add	317.64		
		For Cherry, Add	596.50		
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	938.10	46.04	
		For Oak, Add	197.98		
		For Ash/Hickory, Add	197.98		
		For Walnut, Add	325.73		
		For Cherry, Add	611.70		
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	964.88	48.92	
		For Oak, Add	202.90		
		For Ash/Hickory, Add	202.90		
		For Walnut, Add	333.83		
		For Cherry, Add	626.90		
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	986.41	51.80	
		For Oak, Add	206.58		
		For Ash/Hickory, Add	206.58		
		For Walnut, Add	339.89		
		For Cherry, Add	638.29		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0051 EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,013.18 211.50 211.50 347.99 653.49	54.67
08 14 73 00-0052 EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,720.36 368.90 368.90 606.95 1,139.81	71.93
08 14 73 00-0053 EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,847.47 395.95 395.95 651.46 1,223.40	77.69
08 14 73 00-0054 EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,974.61 423.01 423.01 695.97 1,306.98	83.44
08 14 73 00-0055 Accessories (08 14 73 00-0001)		
08 14 73 00-0056 Jamb Replacement (08 14 73 00-0055)		
08 14 73 00-0057 EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors..... For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	141.90 9.53 14.93 32.65 51.71	
08 14 73 00-0058 EA 5-1/4" Birch Jamb Replacement For Pocket Doors..... For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	144.62 9.84 15.41 33.70 53.38	
08 14 73 00-0059 EA 6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	162.31 11.84 18.54 40.55 64.22	
08 14 73 00-0060 Track And Hardware Replacement Kits (08 14 73 00-0055) Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061 EA Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	289.90	
08 14 73 00-0062 EA 2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	292.44	
08 14 73 00-0063 EA 3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	297.53	
08 14 73 00-0064 EA Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	345.88	
08 14 73 00-0065 EA 2'-8" x 7' Door Track And Hardware Replacement For Pocket Door.....	348.42	
08 14 73 00-0066 EA 3'-0" x 7' Door Track And Hardware Replacement For Pocket Door.....	353.51	
08 14 73 00-0067 EA Up To 2'-6" x 8' Door Track And Hardware	371.33	
08 14 73 00-0068 EA 2'-8" x 8' Door Track And Hardware Replacement For Pocket Door.....	373.87	
08 14 73 00-0069 EA 3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	378.96	
08 14 73 00-0070 EA Double Door Converging Kit For Pocket Door	42.72	
08 14 73 00-0071 Bi-Pass Doors (08 14 73) Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).		
08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0073 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	465.06	92.04
08 14 73 00-0074 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	511.68	97.79
08 14 73 00-0075 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	558.89	103.54
08 14 73 00-0076 EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	775.01	109.30
08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0078 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	432.51	92.04
08 14 73 00-0079 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	460.93	97.79
08 14 73 00-0080 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	503.03	103.54
08 14 73 00-0081 EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	709.91	109.30
08 14 73 00-0082 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0083 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	465.97	92.04
08 14 73 00-0084 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	509.42	97.79
08 14 73 00-0085 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	555.13	103.54



Openings			08
Doors and Frames			08 10
Wood Doors			08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	776.84	109.30

08 14 76 Bifolding Wood Doors (08 14)

08 14 76 00-0001 Bi-Fold Wood Doors (08 14 76)

Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.

08 14 76 00-0002 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	217.72	69.02
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	229.22	74.78
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	246.04	80.54
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	257.55	86.28
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	336.98	92.04
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	348.48	97.79
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	371.25	103.54

08 14 76 00-0010 Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	230.72	69.02
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	246.49	74.78
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	266.17	80.54
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	277.68	86.28
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	364.81	92.04
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	391.86	97.79
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	420.55	103.54

08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	231.33	69.02
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	254.82	74.78
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	273.85	80.54
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	285.36	86.28
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	371.53	92.04
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	385.72	97.79
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	420.55	103.54

08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	617.71	69.02
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	706.70	74.78
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	808.27	80.54
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	819.78	86.28
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,143.37	92.04
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,309.87	97.79
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,501.50	103.54

08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	795.74	69.02
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	863.79	74.78
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	944.41	80.54
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	955.92	86.28
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,499.44	92.04
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,624.05	97.79
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,773.78	103.54

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	222.30	69.02
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	239.14	74.78
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	261.96	80.54
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	263.93	86.28
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	329.44	92.04
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	355.90	97.79
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	399.70	103.54

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 Openings**08 10 Doors and Frames****08 15 Plastic Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 15 13 Laminated Plastic Doors (08 15)**08 15 13 00-0001 High Pressure Laminated Plastic Doors (08 15 13)**

Note: 0.125" acrylic/PVC thermoplastic face sheet over 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.

08 15 13 00-0002	EA	1'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	284.84	57.54
08 15 13 00-0003	EA	1'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	284.84	57.54
08 15 13 00-0004	EA	1'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	284.84	57.54
08 15 13 00-0005	EA	1'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	284.84	57.54
08 15 13 00-0006	EA	2' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	296.36	63.30
08 15 13 00-0007	EA	2' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	296.36	63.30
08 15 13 00-0008	EA	2' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	296.36	63.30
08 15 13 00-0009	EA	2' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	296.36	63.30
08 15 13 00-0010	EA	2'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	319.63	66.18
08 15 13 00-0011	EA	2'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	319.63	66.18
08 15 13 00-0012	EA	2'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	319.63	63.30
08 15 13 00-0013	EA	2'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	319.63	66.18
08 15 13 00-0014	EA	3' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	342.92	69.05
08 15 13 00-0015	EA	3' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	342.92	69.05
08 15 13 00-0016	EA	3' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	342.92	69.05
08 15 13 00-0017	EA	3' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	342.92	69.05
08 15 13 00-0018	EA	3'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	376.35	71.93
08 15 13 00-0019	EA	3'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	376.35	71.93
08 15 13 00-0020	EA	3'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	376.35	71.93
08 15 13 00-0021	EA	3'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	376.35	71.93
08 15 13 00-0022	EA	4' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	423.85	77.69
08 15 13 00-0023	EA	4' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	423.85	77.69
08 15 13 00-0024	EA	4' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	423.85	77.69
08 15 13 00-0025	EA	4' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	423.85	77.69

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)**08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)****08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)**

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,546.55	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,786.41	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,151.08	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,546.55	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,881.64	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,252.26	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.



		Openings	08
		Doors and Frames	08 10
		Composite Doors	08 16

08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0014		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0015		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,300.26	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,904.98	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,609.75	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,020.05	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,300.26	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,904.98	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,609.75	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,020.05	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,300.26	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,904.98	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)				
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,213.16	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,609.75	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,020.05	77.69
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)				
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.				
08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)				
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,750.90	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)				
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,750.90	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)				
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.51	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.66	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.31	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.46	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	13.89	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	17.86	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	37.70	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	41.66	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	81.34	
08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)				
08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058)				
Note: White, tan, brown or gray finish. Includes factory hardware prep.				
08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)				
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.				
08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)				
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,706.50	69.05
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,743.46	71.93
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	



Openings			08	08
Doors and Frames			08 10	
Composite Doors			08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0064	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,875.01 185.50 412.90	77.69
08 16 13 00-0065			7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		
08 16 13 00-0066	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,706.50 185.50 412.90	69.05
08 16 13 00-0067	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,863.49 185.50 412.90	71.93
08 16 13 00-0068	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,875.01 185.50 412.90	77.69
08 16 13 00-0069			Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070			45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0071			6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)		
08 16 13 00-0072	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,506.95 185.50 412.90	69.05
08 16 13 00-0073	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,599.12 185.50 412.90	71.93
08 16 13 00-0074	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,817.09 185.50 412.90	77.69
08 16 13 00-0075			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)		
08 16 13 00-0076	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,506.95 185.50 412.90	69.05
08 16 13 00-0077	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,632.73 185.50 412.90	71.93
08 16 13 00-0078	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,920.32 185.50 412.90	77.69
08 16 13 00-0079			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0080			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0081	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,506.95 185.50 412.90	69.05
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,599.12 185.50 412.90	71.93
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,817.09 185.50 412.90	77.69
08 16 13 00-0084			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,506.95	69.05
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,632.73	71.93
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,920.32	77.69
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0088			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0089)		
08 16 13 00-0089			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,506.95	69.05
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,599.12	71.93
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,817.09	77.69
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0093			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0094)		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,506.95	69.05
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,632.73	71.93
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,920.32	77.69
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0097			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,066.59	69.05
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0100			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,066.59	69.05
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0102			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0103)		
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	1.13	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	1.17	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door).....	1.23	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.77	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.70	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	1.12	
08 16 13 00-0109	LF		Weather Strip (Skule Door).....	9.60	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	12.00	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	38.41	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	136.83	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	52.81	



Openings			08	08
Doors and Frames			08 10	
Composite Doors			08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 16 13 00-0114	Galvanized Insulated Poly Core Composite Doors (08 16 13)				
08 16 13 00-0115	EA		3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,416.53	69.05

08 17 Integrated Door Opening Assemblies (08 10)

08 17 23 Integrated Metal Door Opening Assemblies (08 17)

08 17 23 00-0001	Pre-Hung Interior Door Units (08 17 23) Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.				
08 17 23 00-0002	Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)				
08 17 23 00-0003	Birch Faced (08 17 23 00-0002)				
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	389.27	71.93
			For 8' Door Height, Add	58.90	
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	404.34	71.93
			For 8' Door Height, Add	62.52	
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	425.20	74.81
			For 8' Door Height, Add	66.14	
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	435.44	77.69
			For 8' Door Height, Add	67.21	
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	462.79	77.69
			For 8' Door Height, Add	73.78	
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	488.23	80.57
			For 8' Door Height, Add	78.50	
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	726.76	117.97
			For 8' Door Height, Add	117.79	
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	774.19	126.61
			For 8' Door Height, Add	125.04	
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	830.61	135.23
			For 8' Door Height, Add	134.43	
08 17 23 00-0013	Lauan Faced (08 17 23 00-0002)				
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	348.96	71.93
			For 8' Door Height, Add	49.22	
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	362.87	71.93
			For 8' Door Height, Add	52.56	
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	380.35	74.81
			For 8' Door Height, Add	55.38	
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	394.40	77.69
			For 8' Door Height, Add	57.36	
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	417.25	77.69
			For 8' Door Height, Add	62.85	
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	450.89	80.57
			For 8' Door Height, Add	69.54	
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	646.15	117.97
			For 8' Door Height, Add	98.45	
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	691.16	126.61
			For 8' Door Height, Add	105.11	
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	748.57	135.23
			For 8' Door Height, Add	114.74	
08 17 23 00-0023	Tempered Hardboard Faced (08 17 23 00-0002)				
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	311.07	71.93
			For 8' Door Height, Add	40.13	
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	323.27	71.93
			For 8' Door Height, Add	43.06	
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	334.81	74.81
			For 8' Door Height, Add	44.45	
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	352.14	77.69
			For 8' Door Height, Add	47.22	
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	373.77	77.69
			For 8' Door Height, Add	52.42	
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	384.57	80.57
			For 8' Door Height, Add	53.63	
08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	557.51	117.97
			For 8' Door Height, Add	77.17	
08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	611.99	126.61
			For 8' Door Height, Add	86.11	
08 17 23 00-0032	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	663.99	135.23
			For 8' Door Height, Add	94.45	
08 17 23 00-0033	Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)				
08 17 23 00-0034	Birch Faced (08 17 23 00-0033)				
08 17 23 00-0035	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	518.92	71.93
			For 8' Door Height, Add	90.01	

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	538.64 94.75	71.93
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	564.08 99.47	74.81
08 17 23 00-0038	EA	3' x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	593.85 105.24	77.69
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	642.00 116.79	77.69
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	690.29 127.00	80.57
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	986.07 180.03	117.97
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,042.76 189.50	126.61
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,147.41 210.47	135.23
08 17 23 00-0044 Luan Faced (08 17 23 00-0033)					
08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	440.41 71.17	71.93
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	456.71 75.08	71.93
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	478.75 78.99	74.81
08 17 23 00-0048	EA	3' x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	500.96 82.94	77.69
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	538.97 92.06	77.69
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	569.27 97.95	80.57
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	829.03 142.34	117.97
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	878.91 150.17	126.61
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	961.63 165.88	135.23
08 17 23 00-0054 Tempered Hardboard Faced (08 17 23 00-0033)					
08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	423.74 67.17	71.93
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	439.95 71.06	71.93
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	461.97 74.96	74.81
08 17 23 00-0058	EA	3' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	473.73 76.41	77.69
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	508.84 84.83	77.69
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	537.23 90.26	80.57
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	795.71 134.34	117.97
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	845.36 142.12	126.61
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	907.16 152.81	135.23
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)					
08 17 23 00-0065 Birch Faced (08 17 23 00-0064)					
08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	450.58 73.61	71.93
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	462.16 76.39	71.93
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	472.20 77.42	74.81
08 17 23 00-0069	EA	3' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	496.82 81.95	77.69
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	546.91 93.97	77.69
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	611.19 108.01	80.57
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	849.43 147.23	117.97
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	889.79 152.78	126.61
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	953.40 163.90	135.23



Openings			08	08
Doors and Frames			08 10	
Integrated Door Opening Assemblies			08 17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0075			Lauan Faced (08 17 23 00-0064)		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	404.40	71.93
			For 8' Door Height, Add	62.53	
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	422.36	71.93
			For 8' Door Height, Add	66.84	
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	442.69	74.81
			For 8' Door Height, Add	70.34	
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	454.21	77.69
			For 8' Door Height, Add	71.72	
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	487.06	77.69
			For 8' Door Height, Add	79.61	
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	514.04	80.57
			For 8' Door Height, Add	84.70	
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	757.05	117.97
			For 8' Door Height, Add	125.06	
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	810.19	126.61
			For 8' Door Height, Add	133.68	
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	868.16	135.23
			For 8' Door Height, Add	143.44	
08 17 23 00-0085			Tempered Hardboard Faced (08 17 23 00-0064)		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	352.19	71.93
			For 8' Door Height, Add	50.00	
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	358.00	71.93
			For 8' Door Height, Add	51.39	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	375.33	74.81
			For 8' Door Height, Add	54.17	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	392.66	77.69
			For 8' Door Height, Add	56.95	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	405.88	77.69
			For 8' Door Height, Add	60.12	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	417.43	80.57
			For 8' Door Height, Add	61.51	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	636.56	117.97
			For 8' Door Height, Add	96.15	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	681.46	126.61
			For 8' Door Height, Add	102.78	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	745.07	135.23
			For 8' Door Height, Add	113.90	
08 17 23 00-0095			Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0096			Birch Faced (08 17 23 00-0095)		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	576.35	71.93
			For 8' Door Height, Add	103.80	
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	594.36	71.93
			For 8' Door Height, Add	108.12	
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	606.14	74.81
			For 8' Door Height, Add	109.56	
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	629.90	77.69
			For 8' Door Height, Add	113.89	
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	682.10	77.69
			For 8' Door Height, Add	126.42	
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	740.57	80.57
			For 8' Door Height, Add	139.07	
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,100.93	117.97
			For 8' Door Height, Add	207.60	
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,154.18	126.61
			For 8' Door Height, Add	216.24	
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,219.53	135.23
			For 8' Door Height, Add	227.77	
08 17 23 00-0106			Lauan Faced (08 17 23 00-0095)		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	547.50	71.93
			For 8' Door Height, Add	96.87	
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	548.68	71.93
			For 8' Door Height, Add	97.16	
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	566.07	74.81
			For 8' Door Height, Add	99.95	
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	580.24	77.69
			For 8' Door Height, Add	101.97	
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	618.64	77.69
			For 8' Door Height, Add	111.18	
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	654.03	80.57
			For 8' Door Height, Add	118.30	
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,043.26	117.97
			For 8' Door Height, Add	193.75	
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,062.83	126.61
			For 8' Door Height, Add	194.31	

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door For 8' Door Height, Add	1,120.21 203.94	135.23
08 17 23 00-0116		Tempered Hardboard Faced (08 17 23 00-0095)		
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	486.24 82.17	71.93
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	492.23 83.61	71.93
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	504.02 85.06	74.81
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	521.80 87.94	77.69
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	548.67 94.39	77.69
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	579.60 100.43	80.57
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	920.70 164.34	117.97
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	949.95 167.22	126.61
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door For 8' Door Height, Add	1,003.30 175.88	135.23
08 17 23 00-0126		Oak Or Maple Faced (08 17 23 00-0095)		
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	916.46 185.42	71.93
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	921.17 186.55	71.93
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	966.87 196.14	74.81
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	983.06 198.64	77.69
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	1,072.78 220.18	77.69
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	1,184.85 245.69	80.57
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	1,781.16 370.86	117.97
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	1,807.87 373.12	126.61
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door For 8' Door Height, Add	1,925.84 397.29	135.23
08 17 23 00-0136		Walnut Faced (08 17 23 00-0095)		
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,157.74 243.33	71.93
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,199.90 253.45	71.93
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,219.79 256.84	74.81
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,267.76 266.97	77.69
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,390.14 296.34	77.69
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	1,519.46 326.00	80.57
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	2,263.72 486.66	117.97
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	2,365.27 506.90	126.61
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door For 8' Door Height, Add	2,495.25 533.94	135.23
08 18 Glass Doors		(08 10)		
08 18 16 Sliding Glass Doors		(08 18)		
08 18 16 00-0001		Sliding Aluminum-Framed Glass Doors (08 18 16)		
08 18 16 00-0002		Residential Sliding Aluminum-Framed Glass Doors (08 18 16 00-0001)		
08 18 16 00-0003		5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)		
08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware For Custom Quality, Add For Tempered Glass, Add For Anodized Or Colored Aluminum Frames, Add	54.31 10.15 1.42 7.31	5.17
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware For Custom Quality, Add For Tempered Glass, Add For Anodized Or Colored Aluminum Frames, Add	46.80 9.70 1.42 6.99	3.22



Openings			08	08
Doors and Frames			08 10	
Glass Doors			08 18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0006			1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)		
08 18 16 00-0007	SF		Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	61.59	5.17
			For Custom Quality, Add	11.97	
			For Tempered Glass, Add	1.42	
			For Anodized Or Colored Aluminum Frames, Add	8.62	
08 18 16 00-0008	SF		>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	53.97	3.22
			For Custom Quality, Add	11.50	
			For Tempered Glass, Add	1.42	
			For Anodized Or Colored Aluminum Frames, Add	8.28	
08 18 16 00-0009			Sliding Wood-Framed Glass Doors (08 18 16)		
08 18 16 00-0010			Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0009)		
08 18 16 00-0011	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,052.37	155.38
08 18 16 00-0012	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,505.54	189.90
08 18 16 00-0013	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,895.13	218.68
08 18 16 00-0014	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,255.01	155.38
08 18 16 00-0015	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,767.27	189.90
08 18 16 00-0016	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,219.04	218.68
08 30			Specialty Doors and Frames (08)		
			Note: Includes caulk, sealant and mounting anchors.		
08 31			Access Doors and Panels (08 30)		
			See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.		
08 31 13			Access Doors and Frames (08 31)		
08 31 13 00-0001			Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002			Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA		12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	488.49	64.77
08 31 13 00-0004	EA		12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	568.76	69.00
08 31 13 00-0005	EA		18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	664.40	72.98
08 31 13 00-0006	EA		24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	767.23	76.69
08 31 13 00-0007	EA		24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	784.94	77.08
08 31 13 00-0008	EA		24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	1,015.48	79.47
08 31 13 00-0009			Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA		8" x 8" Stainless Steel Access Door With Cam Latch	194.85	49.67
08 31 13 00-0011	EA		12" x 12" Stainless Steel Access Door With Cam Latch	233.05	64.77
08 31 13 00-0012	EA		12" x 18" Stainless Steel Access Door With Cam Latch	332.24	69.00
08 31 13 00-0013	EA		18" x 18" Stainless Steel Access Door With Cam Latch	356.63	72.98
08 31 13 00-0014	EA		24" x 18" Stainless Steel Access Door With Cam Latch	414.15	76.69
08 31 13 00-0015	EA		24" x 24" Stainless Steel Access Door With Cam Latch	472.18	77.08
08 31 13 00-0016			Steel Access Doors (08 31 13)		
			Note: Includes paintable powder coated finish.		
08 31 13 00-0017			Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA		12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	229.17	65.16
08 31 13 00-0019	EA		12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	276.25	69.00
08 31 13 00-0020	EA		18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	278.67	72.98
08 31 13 00-0021	EA		24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	324.84	77.08
08 31 13 00-0022	EA		24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	337.32	77.08
08 31 13 00-0023	EA		24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	441.84	79.47
08 31 13 00-0024	EA		24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	502.56	82.78
08 31 13 00-0025	EA		36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	605.87	82.78
08 31 13 00-0026	EA		48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	772.07	99.33
08 31 13 00-0027			Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA		8" x 8" Steel Access Door With Cam Latch	135.12	49.93
08 31 13 00-0029	EA		12" x 12" Steel Access Door With Cam Latch.....	144.56	65.16
08 31 13 00-0030	EA		12" x 18" Steel Access Door With Cam Latch.....	162.54	69.00
08 31 13 00-0031	EA		18" x 18" Steel Access Door With Cam Latch.....	168.43	72.98
08 31 13 00-0032	EA		24" x 18" Steel Access Door With Cam Latch.....	193.80	77.08
08 31 13 00-0033	EA		24" x 24" Steel Access Door With Cam Latch.....	197.24	77.08
08 31 13 00-0034	EA		24" x 36" Steel Access Door With Cam Latch.....	253.92	79.47
08 31 13 00-0035	EA		36" x 36" Steel Access Door With Cam Latch.....	318.00	82.78
08 31 13 00-0036			Fiberglass Reinforced Polyester (FRP) Access Doors (08 31 13)		
08 31 13 00-0037	EA		8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	201.21	49.67
08 31 13 00-0038	EA		12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	222.89	52.98

08	Openings
08 30	Specialty Doors and Frames
08 31	Access Doors and Panels



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	275.96	56.29
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	328.83	59.60
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	385.36	62.64
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	413.70	62.91
08 31 13 00-0043		Steel Recessed Access Doors For Drywall Application (08 31 13)		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....	176.29	49.67
		For Recessed Doors In Acoustical Tile, Add	28.19	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....	185.47	53.24
		For Recessed Doors In Acoustical Tile, Add	30.72	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....	198.65	56.29
		For Recessed Doors In Acoustical Tile, Add	32.14	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....	228.06	59.60
		For Recessed Doors In Acoustical Tile, Add	31.35	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....	240.13	62.91
		For Recessed Doors In Acoustical Tile, Add	33.20	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....	258.28	62.91
		For Recessed Doors In Acoustical Tile, Add	30.48	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....	322.56	79.47
		For Recessed Doors In Acoustical Tile, Add	39.03	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....	436.99	82.78
		For Recessed Doors In Acoustical Tile, Add	25.51	
08 31 13 00-0052		Steel Crawl Space Doors And Frames (08 31 13)		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch.....	207.25	83.83
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch.....	281.76	101.59
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch.....	313.79	110.33
08 33		Coiling Doors and Grilles (08 30)		
08 33 13		Coiling Counter Doors (08 33)		
08 33 13 00-0001		Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0002		Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
		Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,983.60	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,095.01	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,319.86	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,652.74	572.68
		For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,484.94	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,695.74	509.00
		For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,802.36	529.39
		For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,049.80	572.68
		For Motor Operator (With Safety Reverse), Add	793.17	
08 33 13 00-0011		Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
		Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,203.76	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,646.42	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,784.65	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,810.96	572.68
		For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,928.12	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,135.85	509.00
		For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,267.25	529.39
		For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,582.69	572.68
		For Motor Operator (With Safety Reverse), Add	793.17	



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

08

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 33 13 00-0020	Aluminum Overhead Rolling Counter Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0021	EA 4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,369.25		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0022	EA 6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,543.52		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0023	EA 8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,036.92		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0024	EA 10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,955.44		572.68	
	For Motor Operator (With Safety Reverse), Add	792.46			
08 33 13 00-0025	EA 4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,153.44		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0026	EA 6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,411.39		509.00	
	For Motor Operator (With Safety Reverse), Add	777.26			
08 33 13 00-0027	EA 8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,571.21		529.39	
	For Motor Operator (With Safety Reverse), Add	782.35			
08 33 13 00-0028	EA 10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,921.03		572.68	
	For Motor Operator (With Safety Reverse), Add	793.17			
08 33 13 00-0029	Galvanized Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0030	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,652.05		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0031	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,819.16		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0032	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,099.72		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0033	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,488.30		572.68	
	For Motor Operator (With Safety Reverse), Add	792.46			
08 33 13 00-0034	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,986.27		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0035	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,224.93		509.00	
	For Motor Operator (With Safety Reverse), Add	777.26			
08 33 13 00-0036	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,387.25		529.39	
	For Motor Operator (With Safety Reverse), Add	782.35			
08 33 13 00-0037	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,551.13		572.68	
	For Motor Operator (With Safety Reverse), Add	793.17			
08 33 13 00-0038	Stainless Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0039	EA 4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,330.54		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0040	EA 6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,974.41		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0041	EA 8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,112.63		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0042	EA 10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,460.88		572.68	
	For Motor Operator (With Safety Reverse), Add	792.46			
08 33 13 00-0043	EA 4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,732.96		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0044	EA 6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,980.93		509.00	
	For Motor Operator (With Safety Reverse), Add	777.26			
08 33 13 00-0045	EA 8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,192.81		529.39	
	For Motor Operator (With Safety Reverse), Add	782.35			
08 33 13 00-0046	EA 10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,548.49		572.68	
	For Motor Operator (With Safety Reverse), Add	793.17			
08 33 13 00-0047	Integral Frame And Sill, Overhead Rolling Counter Doors (08 33 13)				
08 33 13 00-0048	Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047) Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0049	EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	7,941.67		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0050 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,115.93	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0051 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	21,474.49	486.78
<i>For Motor Operator (With Safety Reverse), Add</i>	770.31	
08 33 13 00-0052 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,743.67	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	792.46	
08 33 13 00-0053 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,203.06	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0054 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,504.58	509.00
<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0055 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,729.75	529.39
<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0056 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,709.25	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	
08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047)		
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058 EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,070.35	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0059 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,244.61	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0060 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,476.61	486.78
<i>For Motor Operator (With Safety Reverse), Add</i>	770.31	
08 33 13 00-0061 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,872.35	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	792.46	
08 33 13 00-0062 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,854.53	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0063 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,156.05	509.00
<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0064 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,468.35	529.39
<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0065 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,750.80	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	
08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047)		
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067 EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	9,998.61	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0068 EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	10,803.45	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0069 EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	12,470.87	486.78
<i>For Motor Operator (With Safety Reverse), Add</i>	770.31	
08 33 13 00-0070 EA 10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	13,497.18	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	792.46	
08 33 13 00-0071 EA 4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	11,205.87	458.15
<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0072 EA 6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	12,137.96	509.00
<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0073 EA 8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	13,396.13	529.39
<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0074 EA 10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,113.99	572.68
<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	



		Openings	08	08
		Specialty Doors and Frames	08 30	
		Coiling Doors and Grilles	08 33	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047)					
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0076	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,270.14		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0077	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,381.55		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0078	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,662.10		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0079	EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,273.50		572.68	
	For Motor Operator (With Safety Reverse), Add	792.46			
08 33 13 00-0080	EA 4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,604.36		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0081	EA 6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,065.84		509.00	
	For Motor Operator (With Safety Reverse), Add	777.26			
08 33 13 00-0082	EA 8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,450.97		529.39	
	For Motor Operator (With Safety Reverse), Add	782.35			
08 33 13 00-0083	EA 10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,673.23		572.68	
	For Motor Operator (With Safety Reverse), Add	793.17			
08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood (08 33 13 00-0047)					
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0085	EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	12,010.71		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0086	EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	12,413.13		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0087	EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	14,080.55		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood (08 33 13 00-0047)					
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0089	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	6,715.77		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0090	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	8,943.93		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0091	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	10,115.75		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			
08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood (08 33 13 00-0047)					
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0093	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	5,935.91		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0094	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,604.36		458.15	
	For Motor Operator (With Safety Reverse), Add	764.54			
08 33 13 00-0095	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,052.03		486.78	
	For Motor Operator (With Safety Reverse), Add	770.31			

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) For Motor Operator (With Safety Reverse), Add	7,830.54 792.46	572.68	
08 33 16 Coiling Counter Grilles (08 33)					
08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) (08 33 16)					
08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,538.64 144.89 127.84	200.44	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,733.25 159.48 173.44	234.80	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,925.31 174.26 219.03	267.22	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,145.88 193.03 264.62	303.52	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,366.65 211.80 310.21	337.88	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,667.03 242.42 359.63	366.51	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,965.71 273.05 409.05	400.87	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,360.02 303.68 409.05	458.15	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,775.89 337.31 507.89	534.31	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	4,676.74 426.18 525.19	641.40	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	5,796.57 525.88 602.86	801.76	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,590.37 152.65 148.53	200.44	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,805.23 170.28 202.01	234.80	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,935.54 175.79 255.48	267.33	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,141.61 192.39 308.95	303.52	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,349.58 208.98 362.42	337.88	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,673.63 243.41 430.67	366.51	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,997.68 277.85 498.92	400.87	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,417.36 312.28 498.92	458.15	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,834.50 346.71 635.42	534.31	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	4,809.33 446.07 732.51	641.40	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	5,879.12 538.26 821.19	801.76	
08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) (08 33 16)					
08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,644.49 160.77 127.84	200.44	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,878.92 181.33 173.44	234.80	



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0027 EA 8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,110.81 202.08 219.03	267.22
08 33 16 00-0028 EA 10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,371.20 226.83 264.62	303.52
08 33 16 00-0029 EA 12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,633.49 251.57 310.21	337.88
08 33 16 00-0030 EA 14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,998.18 292.10 359.63	366.51
08 33 16 00-0031 EA 16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,362.89 332.63 409.05	400.87
08 33 16 00-0032 EA 18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,823.23 373.16 409.05	458.15
08 33 16 00-0033 EA 20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	4,285.09 413.69 507.89	534.31
08 33 16 00-0034 EA 24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	5,311.83 521.45 525.19	641.40
08 33 16 00-0035 EA 30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	6,539.92 637.38 602.86	801.76
08 33 16 00-0036 EA 4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	1,749.12 176.47 148.53	200.44
08 33 16 00-0037 EA 6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,043.36 206.00 202.01	234.80
08 33 16 00-0038 EA 8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,253.02 223.42 255.48	267.33
08 33 16 00-0039 EA 10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,538.50 251.92 308.95	303.52
08 33 16 00-0040 EA 12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	2,825.90 280.43 362.42	337.88
08 33 16 00-0041 EA 14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,229.34 326.77 430.67	366.51
08 33 16 00-0042 EA 16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	3,632.78 373.11 498.92	400.87
08 33 16 00-0043 EA 18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	4,131.84 419.45 498.92	458.15
08 33 16 00-0044 EA 20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	4,628.37 465.79 635.42	534.31
08 33 16 00-0045 EA 24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	5,761.96 588.97 732.51	641.40
08 33 16 00-0046 EA 30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Staggered Brick Pattern, Add	6,988.23 704.63 821.19	801.76

08 33 23 Overhead Coiling Doors (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-1135 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,403.54	587.59
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,504.13	622.16
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,500.45	622.16
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,605.82	656.72
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,631.92	674.03
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,771.47	725.84
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,890.57	760.41
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,854.27	760.41
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,915.14	777.69

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0012	EA		8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,987.67	794.97
08 33 23 11-0013	EA		8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,130.27	829.54
08 33 23 11-0014	EA		10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,982.61	794.97
08 33 23 11-0015	EA		10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,106.10	829.54
08 33 23 11-0016	EA		10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,247.72	864.10
08 33 23 11-0017	EA		10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,354.31	898.67
08 33 23 11-0018			24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
			Note: With curtain hood (barrel cover).		
08 33 23 11-0019	EA		8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,483.72	874.47
			For 3/4" Insulated Slats, Add	1,519.70	
08 33 23 11-0020	EA		8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,583.49	894.36
			For 3/4" Insulated Slats, Add	1,569.64	
08 33 23 11-0021	EA		8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,878.55	953.97
			For 3/4" Insulated Slats, Add	1,716.45	
08 33 23 11-0022	EA		8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,140.98	993.72
			For 3/4" Insulated Slats, Add	1,863.59	
08 33 23 11-0023	EA		10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,730.64	914.23
			For 3/4" Insulated Slats, Add	1,655.21	
08 33 23 11-0024	EA		10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,026.38	993.72
			For 3/4" Insulated Slats, Add	1,777.64	
08 33 23 11-0025	EA		10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,242.63	1,033.47
			For 3/4" Insulated Slats, Add	1,890.14	
08 33 23 11-0026	EA		10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,519.21	1,073.21
			For 3/4" Insulated Slats, Add	2,047.88	
08 33 23 11-0027	EA		12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,989.29	953.97
			For 3/4" Insulated Slats, Add	1,799.51	
08 33 23 11-0028	EA		12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,227.22	993.72
			For 3/4" Insulated Slats, Add	1,928.27	
08 33 23 11-0029	EA		12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,544.67	1,073.21
			For 3/4" Insulated Slats, Add	2,066.98	
08 33 23 11-0030	EA		12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,901.67	1,107.78
			For 3/4" Insulated Slats, Add	2,291.52	
08 33 23 11-0031	EA		14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,009.95	1,176.91
			For 3/4" Insulated Slats, Add	2,286.33	
08 33 23 11-0032	EA		14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,477.97	1,246.04
			For 3/4" Insulated Slats, Add	2,550.93	
08 33 23 11-0033	EA		14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,965.98	1,315.17
			For 3/4" Insulated Slats, Add	2,830.53	
08 33 23 11-0034			22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
			Note: With curtain hood (barrel cover).		
08 33 23 11-0035	EA		4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,068.81	787.02
			For 3/4" Insulated Slats, Add	1,317.82	
08 33 23 11-0036	EA		4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,305.79	830.75
			For 3/4" Insulated Slats, Add	1,440.86	
08 33 23 11-0037	EA		4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,473.62	865.32
			For 3/4" Insulated Slats, Add	1,523.53	
08 33 23 11-0038	EA		6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,498.39	918.20
			For 3/4" Insulated Slats, Add	1,476.01	
08 33 23 11-0039	EA		6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,839.47	1,005.65
			For 3/4" Insulated Slats, Add	1,622.50	
08 33 23 11-0040	EA		6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,061.31	1,040.22
			For 3/4" Insulated Slats, Add	1,745.68	
08 33 23 11-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,600.44	1,074.78
			For 3/4" Insulated Slats, Add	2,106.82	
08 33 23 11-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,174.15	1,126.63
			For 3/4" Insulated Slats, Add	2,472.29	
08 33 23 11-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,805.51	983.78
			For 3/4" Insulated Slats, Add	1,624.43	
08 33 23 11-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,120.51	1,049.37
			For 3/4" Insulated Slats, Add	1,778.67	
08 33 23 11-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,375.24	1,093.10
			For 3/4" Insulated Slats, Add	1,915.02	
08 33 23 11-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,893.34	1,127.67
			For 3/4" Insulated Slats, Add	2,260.39	
08 33 23 11-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,445.99	1,179.51
			For 3/4" Insulated Slats, Add	2,610.07	
08 33 23 11-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,495.06	1,136.82
			For 3/4" Insulated Slats, Add	1,950.28	
08 33 23 11-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,830.24	1,180.55
			For 3/4" Insulated Slats, Add	2,146.97	
08 33 23 11-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,438.40	1,249.67
			For 3/4" Insulated Slats, Add	2,516.67	
08 33 23 11-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,115.67	1,353.37
			For 3/4" Insulated Slats, Add	2,895.01	
08 33 23 11-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,805.50	1,491.63
			For 3/4" Insulated Slats, Add	3,239.56	
08 33 23 11-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,564.48	1,664.44
			For 3/4" Insulated Slats, Add	3,592.77	
08 33 23 11-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,392.57	1,871.83
			For 3/4" Insulated Slats, Add	3,954.61	



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,288.04	2,113.77
		For 3/4" Insulated Slats, Add	.....	4,323.77	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,846.85	1,180.55
		For 3/4" Insulated Slats, Add	.....	2,159.43	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,179.78	1,218.57
		For 3/4" Insulated Slats, Add	.....	2,361.59	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,940.29	1,287.70
		For 3/4" Insulated Slats, Add	.....	2,845.57	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,769.92	1,391.38
		For 3/4" Insulated Slats, Add	.....	3,338.17	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,582.34	1,529.65
		For 3/4" Insulated Slats, Add	.....	3,774.66	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,463.87	1,702.46
		For 3/4" Insulated Slats, Add	.....	4,219.79	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,414.55	1,909.85
		For 3/4" Insulated Slats, Add	.....	4,673.56	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,503.45	2,186.37
		For 3/4" Insulated Slats, Add	.....	5,144.60	
08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover)					
08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,925.86	1,374.64
		For 3/4" Insulated Slats, Add	.....	2,726.12	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,495.42	1,443.76
		For 3/4" Insulated Slats, Add	.....	3,066.88	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,179.72	1,512.89
		For 3/4" Insulated Slats, Add	.....	3,493.70	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,861.42	1,616.58
		For 3/4" Insulated Slats, Add	.....	3,875.36	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,651.44	1,754.83
		For 3/4" Insulated Slats, Add	.....	4,295.05	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,440.73	1,893.10
		For 3/4" Insulated Slats, Add	.....	4,714.20	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,074.06	2,065.91
		For 3/4" Insulated Slats, Add	.....	5,723.17	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,776.52	2,273.29
		For 3/4" Insulated Slats, Add	.....	6,740.78	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,134.35	1,580.83
		For 3/4" Insulated Slats, Add	.....	3,374.73	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,781.07	1,649.96
		For 3/4" Insulated Slats, Add	.....	3,773.36	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,358.00	1,719.09
		For 3/4" Insulated Slats, Add	.....	4,119.64	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,024.24	1,822.77
		For 3/4" Insulated Slats, Add	.....	4,489.71	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,817.76	1,961.04
		For 3/4" Insulated Slats, Add	.....	4,912.03	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,721.20	2,099.29
		For 3/4" Insulated Slats, Add	.....	5,416.79	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,086.28	2,272.11
		For 3/4" Insulated Slats, Add	.....	6,224.57	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,531.08	2,479.50
		For 3/4" Insulated Slats, Add	.....	7,048.94	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,716.76	1,778.44
		For 3/4" Insulated Slats, Add	.....	3,564.49	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,296.50	1,847.56
		For 3/4" Insulated Slats, Add	.....	3,912.88	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,221.06	1,951.26
		For 3/4" Insulated Slats, Add	.....	4,476.69	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,079.65	2,089.51
		For 3/4" Insulated Slats, Add	.....	4,947.81	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,012.77	2,262.34
		For 3/4" Insulated Slats, Add	.....	5,431.62	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,015.72	2,469.72
		For 3/4" Insulated Slats, Add	.....	5,924.61	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,715.89	2,711.67
		For 3/4" Insulated Slats, Add	.....	6,897.29	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,517.33	2,988.18
		For 3/4" Insulated Slats, Add	.....	7,902.74	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,821.61	2,045.20
		For 3/4" Insulated Slats, Add	.....	4,059.66	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,919.82	2,114.33
		For 3/4" Insulated Slats, Add	.....	4,796.92	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,232.76	2,500.61
		For 3/4" Insulated Slats, Add	.....	5,298.85	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,406.63	2,604.30
		For 3/4" Insulated Slats, Add	.....	6,049.64	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,819.27	2,742.56
		For 3/4" Insulated Slats, Add	.....	6,936.29	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,392.90	2,880.81
		For 3/4" Insulated Slats, Add	.....	7,943.69	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,043.26	3,053.63
		For 3/4" Insulated Slats, Add	.....	8,965.44	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	18,789.36 10,015.78	3,261.02
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,666.97 4,223.87	2,421.11
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,899.86 5,018.93	2,524.81
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,560.72 5,982.18	2,750.66
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,085.97 6,996.51	2,854.35
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,685.41 8,023.26	2,992.61
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,445.27 9,170.34	3,130.86
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	19,279.55 10,330.03	3,303.69
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	21,172.27 11,490.33	3,511.07
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,654.42 4,661.77	2,663.21
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,493.71 5,204.83	2,732.33
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,303.61 6,475.84	2,801.47
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,003.93 7,621.46	2,905.16
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	16,707.67 8,726.45	3,043.41
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	18,570.62 9,950.84	3,181.67
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	20,833.60 11,410.45	3,371.77
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	23,150.30 12,910.34	3,561.88
08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)				
Note: With curtain hood (barrel cover).				
08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,539.77 3,100.67	1,443.40
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,180.96 3,490.83	1,515.98
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,954.07 3,979.93	1,588.57
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,717.30 4,416.25	1,697.37
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,598.15 4,895.43	1,842.55
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,478.19 5,374.00	1,987.72
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,321.96 6,530.00	2,169.25
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,238.31 7,695.07	2,387.00
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,888.28 3,841.41	1,659.91
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,618.18 4,298.10	1,732.50
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,267.83 4,694.61	1,805.08
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,013.26 5,117.59	1,913.89
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,898.17 5,599.80	2,059.05
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,909.47 6,176.82	2,204.23
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,444.75 7,101.45	2,385.75
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,064.79 8,044.29	2,603.51
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,518.53 4,054.70	1,867.29
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,171.40 4,453.61	1,939.88
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,213.92 5,099.41	2,048.83
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,173.64 5,637.74	2,194.00
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,212.17 6,189.80	2,375.39
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,324.08 6,751.55	2,593.14
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,230.87 7,864.08	2,847.26



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,247.24	3,137.60	
		For 3/4" Insulated Slats, Add	9,013.43		
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,735.76	2,147.40	
		For 3/4" Insulated Slats, Add	4,617.48		
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,984.87	2,219.99	
		For 3/4" Insulated Slats, Add	5,463.58		
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,175.26	2,625.63	
		For 3/4" Insulated Slats, Add	5,849.41		
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,466.90	2,734.58	
		For 3/4" Insulated Slats, Add	6,682.04		
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,019.58	2,879.75	
		For 3/4" Insulated Slats, Add	7,665.09		
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,751.19	3,024.92	
		For 3/4" Insulated Slats, Add	8,782.33		
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,563.79	3,206.31	
		For 3/4" Insulated Slats, Add	9,914.96		
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,478.55	3,424.07	
		For 3/4" Insulated Slats, Add	11,078.83		
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,445.13	2,542.12	
		For 3/4" Insulated Slats, Add	4,656.19		
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,802.34	2,651.08	
		For 3/4" Insulated Slats, Add	5,538.00		
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,620.23	2,888.18	
		For 3/4" Insulated Slats, Add	6,604.86		
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,302.26	2,997.13	
		For 3/4" Insulated Slats, Add	7,730.29		
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,062.54	3,142.30	
		For 3/4" Insulated Slats, Add	8,869.03		
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,001.02	3,287.46	
		For 3/4" Insulated Slats, Add	10,141.43		
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,018.01	3,468.86	
		For 3/4" Insulated Slats, Add	11,427.35		
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,095.67	3,686.62	
		For 3/4" Insulated Slats, Add	12,713.40		
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,512.70	2,796.38	
		For 3/4" Insulated Slats, Add	5,139.05		
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,436.80	2,868.96	
		For 3/4" Insulated Slats, Add	5,741.39		
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,439.34	2,941.55	
		For 3/4" Insulated Slats, Add	7,152.57		
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,315.91	3,050.36	
		For 3/4" Insulated Slats, Add	8,423.90		
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,192.06	3,195.53	
		For 3/4" Insulated Slats, Add	9,649.55		
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,245.12	3,340.69	
		For 3/4" Insulated Slats, Add	11,007.88		
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,736.38	3,540.34	
		For 3/4" Insulated Slats, Add	12,626.77		
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,287.18	3,739.98	
		For 3/4" Insulated Slats, Add	14,290.41		
08 33 23 11-0162		Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)			
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.					
08 33 23 11-0163		0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)			
08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,416.39	787.02	
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,586.47	830.75	
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,963.74	865.32	
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,928.26	918.20	
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,205.32	1,005.65	
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,376.65	1,040.22	
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,578.61	1,074.78	
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,817.37	1,126.63	
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,185.43	983.78	
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,454.93	1,049.37	
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,682.89	1,093.10	
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,885.00	1,127.67	
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,122.41	1,179.51	
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,781.11	1,136.82	
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,005.88	1,180.55	
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,313.44	1,249.67	
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,691.06	1,353.37	
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,258.69	1,491.63	
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,895.39	1,664.44	
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,598.41	1,871.83	
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,371.39	2,113.77	
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,002.43	1,180.55	
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,410.03	1,218.57	
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,806.68	1,287.70	
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,274.01	1,391.38	
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,902.65	1,529.65	

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0190 EA 12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,601.74	1,702.46
08 33 23 11-0191 EA 12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,175.46	1,909.85
08 33 23 11-0192 EA 12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,889.21	2,186.37
08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)		
08 33 23 11-0194 EA 14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,594.08	1,374.64
08 33 23 11-0195 EA 14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,101.29	1,443.76
08 33 23 11-0196 EA 14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,599.80	1,512.89
08 33 23 11-0197 EA 14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,132.47	1,616.58
08 33 23 11-0198 EA 14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,762.69	1,754.83
08 33 23 11-0199 EA 14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,392.87	1,893.10
08 33 23 11-0200 EA 14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,099.84	2,065.91
08 33 23 11-0201 EA 14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,876.02	2,273.29
08 33 23 11-0202 EA 16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,339.44	1,580.83
08 33 23 11-0203 EA 16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,867.41	1,649.96
08 33 23 11-0204 EA 16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,375.72	1,719.09
08 33 23 11-0205 EA 16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,967.35	1,822.77
08 33 23 11-0206 EA 16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,667.42	1,961.04
08 33 23 11-0207 EA 16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,400.23	2,099.29
08 33 23 11-0208 EA 16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,175.95	2,272.11
08 33 23 11-0209 EA 16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,986.99	2,479.50
08 33 23 11-0210 EA 18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,975.97	1,778.44
08 33 23 11-0211 EA 18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,537.78	1,847.56
08 33 23 11-0212 EA 18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,218.25	1,951.26
08 33 23 11-0213 EA 18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,959.37	2,089.51
08 33 23 11-0214 EA 18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,776.59	2,262.34
08 33 23 11-0215 EA 18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,658.57	2,469.72
08 33 23 11-0216 EA 18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,608.61	2,711.67
08 33 23 11-0217 EA 18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,632.11	2,988.18
08 33 23 11-0218 EA 20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,836.99	2,045.20
08 33 23 11-0219 EA 20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,408.61	2,114.33
08 33 23 11-0220 EA 20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,339.73	2,218.03
08 33 23 11-0221 EA 20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,044.18	2,356.28
08 33 23 11-0222 EA 20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,920.35	2,529.11
08 33 23 11-0223 EA 20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,885.29	2,736.49
08 33 23 11-0224 EA 20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,884.42	2,978.43
08 33 23 11-0225 EA 20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,975.63	3,254.95
08 33 23 11-0226 EA 22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,076.65	2,421.11
08 33 23 11-0227 EA 22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,838.57	2,524.81
08 33 23 11-0228 EA 22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,923.54	2,750.65
08 33 23 11-0229 EA 22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,749.85	2,854.35
08 33 23 11-0230 EA 22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,644.24	2,992.61
08 33 23 11-0231 EA 22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,546.24	3,130.86
08 33 23 11-0232 EA 22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,475.90	3,303.69
08 33 23 11-0233 EA 22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,480.14	3,511.07
08 33 23 11-0234 EA 24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,898.25	2,663.21
08 33 23 11-0235 EA 24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,369.45	2,732.33
08 33 23 11-0236 EA 24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,426.87	2,801.47
08 33 23 11-0237 EA 24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,342.71	2,905.16
08 33 23 11-0238 EA 24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,282.92	3,043.41
08 33 23 11-0239 EA 24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,223.15	3,181.67
08 33 23 11-0240 EA 24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,346.02	3,354.49
08 33 23 11-0241 EA 24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,570.78	3,561.88
08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)		
08 33 23 11-0243 LF Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.25	1.44
08 33 23 11-0244 LF Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	35.79	1.72
08 33 23 11-0245 LF Side Of Door (Guides), Weather Strip Seal For Coiling Doors	34.12	1.72
08 33 23 11-0246 EA Cylinder Lock For Coiling Doors	229.89	71.93
08 33 23 11-0247 LF 3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors	16.98	
Note: Additional cost for factory supplied.		
08 33 23 11-0248 LF 10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors	67.90	
Note: Additional cost for factory supplied.		
08 33 23 11-0249 EA Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	1,900.55	230.19
Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0250 EA Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,414.26	230.19
Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0251 EA >12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,253.57	258.96
Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0252 EA >12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,675.35	258.96
Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0253 EA >18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,914.82	287.73
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0254 EA >18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	3,170.69	287.73
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0255 LF Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	81.44	
08 33 23 11-0256 EA Remote Transmitter Kit For Coiling Door Operators	318.66	115.09



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

08

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0257	Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11) Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0258	SF Removal And Reinstallation Of Metal Roll-up Door And Supports.....	24.51	
08 33 23 13	Overhead Rapid Coiling Doors (08 33 23) Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1135 for forklift.		
08 33 23 13-0001	32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13) Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002	32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003	5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0004	EA 5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,314.22	421.23
08 33 23 13-0005	EA 5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,603.28	440.80
08 33 23 13-0006	EA 5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,890.41	460.37
08 33 23 13-0007	EA 5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,175.60	479.94
08 33 23 13-0008	EA 5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,464.67	499.50
08 33 23 13-0009	EA 5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0010	6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0011	EA 6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,603.28	440.80
08 33 23 13-0012	EA 6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,890.41	460.37
08 33 23 13-0013	EA 6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,175.60	479.94
08 33 23 13-0014	EA 6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,464.67	499.50
08 33 23 13-0015	EA 6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0016	EA 6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,038.94	538.64
08 33 23 13-0017	7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0018	EA 7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,890.41	460.37
08 33 23 13-0019	EA 7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,175.60	479.94
08 33 23 13-0020	EA 7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,464.67	499.50
08 33 23 13-0021	EA 7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0022	EA 7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,038.94	538.64
08 33 23 13-0023	EA 7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,328.01	558.20
08 33 23 13-0024	8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025	EA 8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,175.60	479.94
08 33 23 13-0026	EA 8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,464.67	499.50
08 33 23 13-0027	EA 8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0028	EA 8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,038.94	538.64
08 33 23 13-0029	EA 8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,328.01	558.20
08 33 23 13-0030	EA 8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,613.20	577.77
08 33 23 13-0031	9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032	EA 9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,464.67	499.50
08 33 23 13-0033	EA 9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0034	EA 9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,038.94	538.64
08 33 23 13-0035	EA 9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,328.01	558.20
08 33 23 13-0036	EA 9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,613.20	577.77
08 33 23 13-0037	EA 9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,902.26	597.33
08 33 23 13-0038	10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039	EA 10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,751.80	519.07
08 33 23 13-0040	EA 10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,038.94	538.64
08 33 23 13-0041	EA 10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,328.01	558.20
08 33 23 13-0042	EA 10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,613.20	577.77
08 33 23 13-0043	EA 10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,902.26	597.33
08 33 23 13-0044	EA 10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,189.39	616.90

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0045		Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	12.11	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	26.64	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	38.75	
		Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	368.12	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors.....	696.34	57.54
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors.....	696.34	57.54
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors.....	2,991.12	115.09
		Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator.....	366.96	57.54
		Note: Includes open/close/stop control.		
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	357.28	57.54
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
		Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,499.63	460.37
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,764.80	479.94
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,071.23	499.50
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,499.65	519.07
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,937.06	538.64
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,675.84	558.20
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,199.34	577.77
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,824.00	479.94
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,162.72	499.50
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,589.35	519.07
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,041.11	538.64
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,638.16	558.20
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,359.00	577.77
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,927.36	597.33
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,220.13	499.50
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,644.97	519.07
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,114.66	538.64
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,729.66	558.20
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,283.66	577.77
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,069.08	597.33
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,712.78	616.90
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,704.17	519.07
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,170.27	538.64
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,785.27	558.20
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,357.21	577.77
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,957.86	597.33
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,581.82	616.90
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,266.78	636.46
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,216.92	538.64
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,844.47	558.20
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,411.03	577.77
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,017.06	597.33
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,689.46	616.90
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,821.88	636.46
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,967.89	656.03



Openings			08	08
Specialty Doors and Frames			08 30	
Coiling Doors and Grilles			08 33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,878.56	558.20
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,459.47	577.77
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,072.67	597.33
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,746.87	616.90
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,187.85	636.46
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,064.76	656.03
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,782.03	675.59
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,475.61	577.77
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,104.96	597.33
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,791.72	616.90
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,248.84	636.46
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,851.28	656.03
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,864.55	675.59
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	23,567.45	695.16
08 33 23 13-0113		Rytec® PredaDoor® Door Options (08 33 23 13-0055)		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	813.23	115.09
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	1,198.94	115.09
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	14.53	
08 33 23 13-0117		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
08 33 23 13-0119		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,959.22	1,035.83
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,096.09	1,065.19
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,085.86	1,094.53
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,150.98	1,123.88
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,359.62	1,153.22
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,990.59	1,182.58
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,980.36	1,211.93
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,861.22 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,243.44
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,268.55 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,275.76
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,404.40 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,308.93
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,813.20 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,342.96
08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,096.09 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,065.19
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,085.86 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,094.53
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,150.98 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,123.88
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,359.62 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,153.22
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,990.59 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,182.58
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,980.36 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,211.93
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,258.95 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,241.27
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,268.55 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,275.76
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,404.40 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,308.93



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0141	EA		9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,813.20 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,342.96
08 33 23 13-0142	EA		9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,493.10 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,377.88
08 33 23 13-0143			10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0144	EA		10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,085.86 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,094.53
08 33 23 13-0145	EA		10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,150.98 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,123.88
08 33 23 13-0146	EA		10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,359.62 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,153.22
08 33 23 13-0147	EA		10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,990.59 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,182.58
08 33 23 13-0148	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,980.36 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,211.93
08 33 23 13-0149	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,258.95 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,241.27
08 33 23 13-0150	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,465.81 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,270.62
08 33 23 13-0151	EA		10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,403.12 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,308.30
08 33 23 13-0152	EA		10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,811.89 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,342.31
08 33 23 13-0153	EA		10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,491.75 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,377.21
08 33 23 13-0154	EA		10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,906.05 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,413.02

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,150.98	1,123.88	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,359.62	1,153.22	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,990.59	1,182.58	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,980.36	1,211.93	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,258.95	1,241.27	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,465.81	1,270.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,816.16	1,299.97	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,808.75	1,340.75	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,488.53	1,375.60	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,902.75	1,411.37	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,584.26	1,448.06	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,359.62	1,153.22	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,990.59	1,182.58	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,980.36	1,211.93	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,258.95	1,241.27	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,465.81	1,270.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,816.16	1,299.97	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,784.41	1,329.32	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,483.71	1,373.18	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,897.79	1,408.89	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,579.17	1,445.53	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,262.46	1,483.11	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0179		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)			
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,729.70	1,182.58	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,997.54	1,211.93	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,199.00	1,241.27	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,596.01	1,270.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,987.63	1,299.97
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,018.66	1,329.32
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,800.32	1,358.67
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,001.91	1,405.73
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,685.07	1,442.28
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,375.94	1,479.79
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,863.39	1,518.25
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)

08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,997.54	1,211.93
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,199.00	1,241.27
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,596.01	1,270.62
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,987.63	1,299.97
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,018.66	1,329.32
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,800.32	1,358.67
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,965.91	1,388.01	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,676.92	1,438.21	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,367.57	1,475.60	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,854.81	1,513.96	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,105.20	1,553.33	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,140.88	1,211.93	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,538.38	1,241.27	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,930.09	1,270.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,961.40	1,299.97	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,742.78	1,329.32	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,907.78	1,358.67	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,640.39	1,419.95	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,358.95	1,471.28	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,845.96	1,509.53	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,096.12	1,548.79	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,379.59	1,589.06	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,592.47	1,268.31
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,986.90	1,299.03
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,020.95	1,329.74
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,805.06	1,360.46
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,972.79	1,391.17
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,644.28	1,421.89
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,321.58	1,452.60
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,837.13	1,505.12
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,087.06	1,544.26
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,370.30	1,584.40
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	51,667.24	1,625.60
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0227		17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,855.93	1,297.49
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,019.27	1,328.91
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,428.67	1,360.33
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,977.56	1,391.75
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	



Openings			08	08
Specialty Doors and Frames			08 30	
Coiling Doors and Grilles			08 33	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,398.59	1,423.17
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,515.17	1,454.59
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,554.25	1,486.01
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,078.03	1,539.74
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,361.03	1,579.77
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,657.74	1,620.85
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,884.89	1,662.99
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0239		18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,391.98	1,327.33
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,930.70	1,359.47
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,606.99	1,391.62
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,277.45	1,423.76
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,019.61	1,455.91
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,498.02	1,488.04
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,046.17	1,520.19
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,291.47	1,575.15
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,648.26	1,616.11
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	53,811.22 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,658.13
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	56,044.19 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,701.23
08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	38,927.47 675.00 1,100.00 2,750.00	1,357.86
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,605.24 675.00 1,100.00 2,750.00	1,390.74
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	42,277.18 675.00 1,100.00 2,750.00	1,423.62
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	44,020.82 675.00 1,100.00 2,750.00	1,456.50
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	46,500.70 675.00 1,100.00 2,750.00	1,489.39
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	49,050.34 675.00 1,100.00 2,750.00	1,522.27
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	50,251.48 675.00 1,100.00 2,750.00	1,555.15
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	51,638.81 675.00 1,100.00 2,750.00	1,611.38
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	53,801.53 675.00 1,100.00 2,750.00	1,653.28
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	56,034.24 675.00 1,100.00 2,750.00	1,696.26
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	58,269.19 675.00 1,100.00 2,750.00	1,740.37
08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	40,601.94 675.00 1,100.00 2,750.00	1,389.09
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	42,275.39 675.00 1,100.00 2,750.00	1,422.72
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	44,020.54 675.00 1,100.00 2,750.00	1,456.37
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	46,501.94 675.00 1,100.00 2,750.00	1,490.00
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	49,053.09 675.00 1,100.00 2,750.00	1,523.64



Openings			08	08
Specialty Doors and Frames			08 30	
Coiling Doors and Grilles			08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	50,255.74	1,557.28
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	51,597.88	1,590.92
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	53,791.86	1,648.44
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	56,024.32	1,691.31
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	58,259.01	1,735.28
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	60,224.74	1,780.39
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0275		21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)			
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	50,831.96	1,489.86
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	53,314.89	1,524.27
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	55,865.65	1,558.68
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	57,073.71	1,593.10
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	58,415.48	1,627.51
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	60,612.11	1,686.36
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	62,846.54	1,730.21
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	65,083.25	1,775.19
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	67,051.06	1,821.35
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0285		22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)			
08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	52,775.97	1,524.13
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	55,262.44	1,559.34
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	57,812.84	1,594.53
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	59,020.56	1,629.74
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,367.77 675.00 1,100.00 2,750.00	1,664.94
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,567.11 675.00 1,100.00 2,750.00	1,725.14
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,803.56 675.00 1,100.00 2,750.00	1,770.00
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	67,040.41 675.00 1,100.00 2,750.00	1,816.02
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	69,012.27 675.00 1,100.00 2,750.00	1,863.24
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	54,723.51 675.00 1,100.00 2,750.00	1,559.19
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	57,209.66 675.00 1,100.00 2,750.00	1,595.20
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	59,763.62 675.00 1,100.00 2,750.00	1,631.21
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,972.95 675.00 1,100.00 2,750.00	1,667.23
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,319.86 675.00 1,100.00 2,750.00	1,703.24
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,523.90 675.00 1,100.00 2,750.00	1,764.82
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	66,760.48 675.00 1,100.00 2,750.00	1,810.71
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	69,001.37 675.00 1,100.00 2,750.00	1,857.79
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	70,975.41 675.00 1,100.00 2,750.00	1,906.09
08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	56,670.74 675.00 1,100.00 2,750.00	1,595.05
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	59,158.54 675.00 1,100.00 2,750.00	1,631.88
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	61,716.08 675.00 1,100.00 2,750.00	1,668.73
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,927.08 675.00 1,100.00 2,750.00	1,705.57
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,273.71 675.00 1,100.00 2,750.00	1,742.41



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33
			08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0311	EA		24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	66,478.64 675.00 1,100.00 2,750.00	1,805.41
08 33 23 13-0312	EA		24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	68,719.26 675.00 1,100.00 2,750.00	1,852.35
08 33 23 13-0313	EA		24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	70,964.26 675.00 1,100.00 2,750.00	1,900.52
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	72,936.65 675.00 1,100.00 2,750.00	1,949.93
08 33 23 13-0315			Rytec® Fast-Seal® Door Options (08 33 23 13-0117)		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	53.82	
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	583.04	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,424.63	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,131.24	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	340.86	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	672.74	
			Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	852.14	
			Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,345.48	
			Note: Door must be at least 136" wide.		
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	394.67	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	780.38	
			Note: Door must be at least 108" wide.		
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75	
			Note: Door must be at least 144" wide.		
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,560.76	
			Note: Door must be at least 192" wide.		
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	794.68 127.15 556.28	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	1,033.08 165.29 723.16	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	1,350.95 216.15 945.67	
08 33 23 13-0332	EA		Through Wall Brake Release	200.50	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	22,807.17 -6,200.00	
08 33 23 13-0334			High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13) Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
08 33 23 13-0335			High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0334)		
08 33 23 13-0336			8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0337	EA		8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,071.58	1,035.83
08 33 23 13-0338	EA		8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,358.89	1,065.19
08 33 23 13-0339	EA		8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,872.90	1,094.53
08 33 23 13-0340	EA		8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,386.91	1,123.88
08 33 23 13-0341	EA		8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,902.86	1,153.22
08 33 23 13-0342	EA		8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,416.86	1,182.58
08 33 23 13-0343	EA		8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,702.25	1,211.93

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0344 EA 8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,222.52	1,243.44
08 33 23 13-0345 EA 8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,197.80	1,275.76
08 33 23 13-0346 EA 8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,492.76	1,308.93
08 33 23 13-0347 EA 8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,244.75	1,342.97
08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0349 EA 9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,358.89	1,065.19
08 33 23 13-0350 EA 9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,644.28	1,094.53
08 33 23 13-0351 EA 9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,160.22	1,123.88
08 33 23 13-0352 EA 9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,902.86	1,153.22
08 33 23 13-0353 EA 9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,188.24	1,182.58
08 33 23 13-0354 EA 9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,702.25	1,211.93
08 33 23 13-0355 EA 9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,218.19	1,241.27
08 33 23 13-0356 EA 9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,742.49	1,275.76
08 33 23 13-0357 EA 9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,948.07	1,308.93
08 33 23 13-0358 EA 9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,157.31	1,342.97
08 33 23 13-0359 EA 9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,366.41	1,377.88
08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0361 EA 10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,012.15	1,094.53
08 33 23 13-0362 EA 10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,299.47	1,123.88
08 33 23 13-0363 EA 10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,813.48	1,153.22
08 33 23 13-0364 EA 10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,556.11	1,182.58
08 33 23 13-0365 EA 10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,070.12	1,211.93
08 33 23 13-0366 EA 10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,586.06	1,241.27
08 33 23 13-0367 EA 10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,100.08	1,270.62
08 33 23 13-0368 EA 10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,859.36	1,308.29
08 33 23 13-0369 EA 10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,838.01	1,342.32
08 33 23 13-0370 EA 10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,275.68	1,377.21
08 33 23 13-0371 EA 10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,488.48	1,413.02
08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0373 EA 11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,070.85	1,123.88
08 33 23 13-0374 EA 11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,584.86	1,153.22
08 33 23 13-0375 EA 11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,100.80	1,182.58
08 33 23 13-0376 EA 11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,843.43	1,211.93
08 33 23 13-0377 EA 11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,357.43	1,241.27
08 33 23 13-0378 EA 11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,871.45	1,270.62
08 33 23 13-0379 EA 11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,071.33	1,299.97
08 33 23 13-0380 EA 11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,518.80	1,340.74
08 33 23 13-0381 EA 11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,956.40	1,375.60
08 33 23 13-0382 EA 11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,395.80	1,411.37
08 33 23 13-0383 EA 11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,608.43	1,448.06
08 33 23 13-0384 12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0385 EA 12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,358.17	1,153.22
08 33 23 13-0386 EA 12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,872.17	1,182.58
08 33 23 13-0387 EA 12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,386.18	1,211.93
08 33 23 13-0388 EA 12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,128.81	1,241.27
08 33 23 13-0389 EA 12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,871.45	1,270.62
08 33 23 13-0390 EA 12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,298.02	1,299.97
08 33 23 13-0391 EA 12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,724.59	1,329.32
08 33 23 13-0392 EA 12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,180.20	1,373.19
08 33 23 13-0393 EA 12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,846.14	1,408.89
08 33 23 13-0394 EA 12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,287.29	1,445.52
08 33 23 13-0395 EA 12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,730.33	1,483.11
08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0397 EA 13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,872.17	1,182.58
08 33 23 13-0398 EA 13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,159.50	1,211.93
08 33 23 13-0399 EA 13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,673.50	1,241.27
08 33 23 13-0400 EA 13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,644.77	1,270.62
08 33 23 13-0401 EA 13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,298.02	1,299.97
08 33 23 13-0402 EA 13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,953.21	1,329.32
08 33 23 13-0403 EA 13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,379.77	1,358.67
08 33 23 13-0404 EA 13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,068.47	1,405.73
08 33 23 13-0405 EA 13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,738.06	1,442.28
08 33 23 13-0406 EA 13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,407.61	1,479.78
08 33 23 13-0407 EA 13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,852.43	1,518.25



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

08

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,159.50		1,211.93
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,444.87		1,241.27
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,187.52		1,270.62
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,614.08		1,299.97
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,724.59		1,329.32
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,379.77		1,358.67
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,261.65		1,388.01
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,956.58		1,438.21
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,627.87		1,475.60
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,299.16		1,513.96
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,202.99		1,553.33
08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,583.12		1,239.80
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,098.48		1,269.82
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,842.45		1,299.84
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,813.14		1,329.87
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,153.61		1,359.89
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,036.83		1,389.91
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,920.06		1,419.95
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,619.25		1,471.29
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,518.94		1,509.53
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,420.60		1,548.79
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,324.33		1,589.05
08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,866.83		1,268.32
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,612.20		1,299.03
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,357.57		1,329.74
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,242.18		1,360.45
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,810.71		1,391.17
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,697.26		1,421.89
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,581.88		1,452.59
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,510.11		1,505.12
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,411.55		1,544.26
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,315.03		1,584.41
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,449.23		1,625.60
08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,382.41		1,297.49
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,900.56		1,328.91
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,786.60		1,360.33
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,672.62		1,391.75
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,242.58		1,423.17
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,357.22		1,454.59
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,243.25		1,486.01
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,402.52		1,539.75
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,305.77		1,579.77
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,439.73		1,620.85
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,575.81		1,663.00
08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,897.41		1,327.33
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,417.02		1,359.47
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,988.41		1,391.62
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,104.51		1,423.75
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,675.93		1,455.90
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,792.01		1,488.04
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,136.73		1,520.19
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,296.53		1,575.15
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,430.24		1,616.11
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,566.08		1,658.13
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,704.12		1,701.24

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0468	19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0469	EA 19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,869.10	1,357.85
08 33 23 13-0470	EA 19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,618.80	1,390.74
08 33 23 13-0471	EA 19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,420.30	1,423.63
08 33 23 13-0472	EA 19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,537.87	1,456.51
08 33 23 13-0473	EA 19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,339.38	1,489.39
08 33 23 13-0474	EA 19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,456.97	1,522.27
08 33 23 13-0475	EA 19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,801.22	1,555.15
08 33 23 13-0476	EA 19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,965.49	1,611.38
08 33 23 13-0477	EA 19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,327.77	1,653.28
08 33 23 13-0478	EA 19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,465.54	1,696.27
08 33 23 13-0479	EA 19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,834.18	1,740.38
08 33 23 13-0480	20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0481	EA 20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,299.43	1,389.09
08 33 23 13-0482	EA 20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,050.65	1,422.72
08 33 23 13-0483	EA 20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,625.04	1,456.37
08 33 23 13-0484	EA 20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,972.75	1,490.00
08 33 23 13-0485	EA 20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,775.77	1,523.64
08 33 23 13-0486	EA 20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,121.55	1,557.28
08 33 23 13-0487	EA 20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,469.25	1,590.93
08 33 23 13-0488	EA 20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,862.79	1,648.45
08 33 23 13-0489	EA 20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,228.94	1,691.31
08 33 23 13-0490	EA 20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,595.37	1,735.27
08 33 23 13-0491	EA 20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,964.11	1,780.40
08 33 23 13-0492	21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0493	EA 21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,591.96	1,421.03
08 33 23 13-0494	EA 21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,712.59	1,455.45
08 33 23 13-0495	EA 21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,833.22	1,489.86
08 33 23 13-0496	EA 21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,409.15	1,524.27
08 33 23 13-0497	EA 21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,213.72	1,558.68
08 33 23 13-0498	EA 21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,789.67	1,593.10
08 33 23 13-0499	EA 21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,136.98	1,627.51
08 33 23 13-0500	EA 21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,761.80	1,686.36
08 33 23 13-0501	EA 21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,129.92	1,730.21
08 33 23 13-0502	EA 21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,498.38	1,775.19
08 33 23 13-0503	EA 21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,097.81	1,821.34
08 33 23 13-0504	22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0505	EA 22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,112.63	1,453.72
08 33 23 13-0506	EA 22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,006.21	1,488.93
08 33 23 13-0507	EA 22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,269.62	1,524.12
08 33 23 13-0508	EA 22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,847.14	1,559.33
08 33 23 13-0509	EA 22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,879.98	1,594.54
08 33 23 13-0510	EA 22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,457.50	1,629.75
08 33 23 13-0511	EA 22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,808.35	1,664.94
08 33 23 13-0512	EA 22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,435.87	1,725.14
08 33 23 13-0513	EA 22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,032.69	1,769.99
08 33 23 13-0514	EA 22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,631.84	1,816.02
08 33 23 13-0515	EA 22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,233.39	1,863.24
08 33 23 13-0516	23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0517	EA 23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,776.00	1,487.15
08 33 23 13-0518	EA 23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,442.59	1,523.17
08 33 23 13-0519	EA 23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,478.97	1,559.19
08 33 23 13-0520	EA 23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,286.74	1,595.20
08 33 23 13-0521	EA 23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,321.20	1,631.21
08 33 23 13-0522	EA 23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,900.35	1,667.22
08 33 23 13-0523	EA 23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,708.12	1,703.25
08 33 23 13-0524	EA 23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,338.41	1,764.83
08 33 23 13-0525	EA 23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,937.30	1,810.71
08 33 23 13-0526	EA 23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,767.20	1,857.79
08 33 23 13-0527	EA 23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,370.91	1,906.09
08 33 23 13-0528	24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0529	EA 24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,212.29	1,521.36



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,425.22	1,558.20
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,918.57	1,595.05
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,499.37	1,631.88
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,764.10	1,668.73
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,573.53	1,705.56
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,381.03	1,742.41
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	64,242.77	1,805.41
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	66,843.78	1,852.35
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	69,675.83	1,900.52
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	72,510.40	1,949.94
08 33 23 13-0540 Rytec® Powerhouse™ Door Options (08 33 23 13-0334)				
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,964.37	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,022.49	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,080.62	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,138.74	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,196.87	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,254.99	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,313.11	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,371.24	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,429.36	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,487.49	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,545.61	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,603.74	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,661.86	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,719.99	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,778.11	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,836.24	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,894.36	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	678.12	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,666.24	
Note: Includes System 4 Controller In NEMA 4 Enclosure				
08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)				
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.				
08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)				
08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,547.13	1,381.11
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,576.36	1,410.46
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,605.61	1,439.81
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,636.64	1,469.15
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,665.88	1,498.50
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,695.11	1,527.86
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,663.64	1,557.20
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,687.50	1,588.35
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,712.04	1,620.11
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,737.83	1,652.51
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,764.93	1,685.57
08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,576.36	1,410.46
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,605.61	1,439.81
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,636.64	1,469.15
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,665.88	1,498.50
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,695.11	1,527.86
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,724.35	1,557.20
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,692.89	1,586.55
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,702.05	1,618.28
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,745.72	1,650.65
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,772.75	1,683.67
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,801.09	1,717.33
08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,605.61	1,439.81
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,636.64	1,469.15
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,665.88	1,498.50
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,695.11	1,527.86
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,724.35	1,557.20

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,753.60	1,586.55
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,722.12	1,615.89
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,748.61	1,648.22
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,775.54	1,681.18
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,803.78	1,714.81
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,833.38	1,749.09
08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,636.64	1,469.15
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,665.88	1,498.50
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,695.11	1,527.86
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,724.35	1,557.20
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,753.60	1,586.55
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,782.83	1,615.89
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,749.57	1,645.25
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,779.17	1,678.15
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,807.29	1,711.71
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,836.76	1,745.95
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,867.59	1,780.88
08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,665.88	1,498.50
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,695.11	1,527.86
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,724.35	1,557.20
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,753.60	1,586.55
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,782.83	1,615.89
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,812.07	1,645.25
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,780.59	1,674.60
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,809.73	1,708.09
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,839.05	1,742.25
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,869.73	1,777.10
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,903.76	1,812.64
08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,695.11	1,527.86
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,724.35	1,557.20
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,753.60	1,586.55
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,782.83	1,615.89
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,812.07	1,645.25
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,841.31	1,674.60
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,809.84	1,703.94
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,840.28	1,738.02
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,870.79	1,772.78
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,902.72	1,808.24
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,936.03	1,844.40
08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,663.64	1,557.20
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,692.89	1,586.55
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,722.12	1,615.89
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,749.57	1,645.25
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,780.59	1,674.60
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,809.84	1,703.94
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,830.11	1,733.30
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,861.15	1,767.96
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,892.86	1,803.32
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,925.99	1,839.39
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,960.57	1,876.17
08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,687.50	1,588.35
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,719.99	1,618.28
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,748.61	1,648.22
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,779.17	1,678.15
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,809.73	1,708.09
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,840.28	1,738.02
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,861.15	1,767.96
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,892.86	1,803.32
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,925.99	1,839.39



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0656 EA 15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,960.57	1,876.17
08 33 23 13-0657 EA 15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,996.61	1,913.70
08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)		
08 33 23 13-0659 EA 16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,712.04	1,620.11
08 33 23 13-0660 EA 16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,745.72	1,650.65
08 33 23 13-0661 EA 16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,775.54	1,681.18
08 33 23 13-0662 EA 16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,807.29	1,711.71
08 33 23 13-0663 EA 16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,839.05	1,742.25
08 33 23 13-0664 EA 16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,870.79	1,772.78
08 33 23 13-0665 EA 16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,892.86	1,803.32
08 33 23 13-0666 EA 16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,925.99	1,839.39
08 33 23 13-0667 EA 16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,960.57	1,876.17
08 33 23 13-0668 EA 16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,996.61	1,913.70
08 33 23 13-0669 EA 16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,036.09	1,951.97
08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0681)		
08 33 23 13-0671 EA 17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,737.83	1,652.51
08 33 23 13-0672 EA 17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,772.75	1,683.67
08 33 23 13-0673 EA 17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,803.78	1,714.81
08 33 23 13-0674 EA 17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,836.76	1,745.95
08 33 23 13-0675 EA 17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,869.73	1,777.10
08 33 23 13-0676 EA 17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,902.72	1,808.24
08 33 23 13-0677 EA 17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,925.99	1,839.39
08 33 23 13-0678 EA 17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,960.57	1,876.17
08 33 23 13-0679 EA 17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,996.61	1,913.70
08 33 23 13-0680 EA 17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,036.09	1,951.97
08 33 23 13-0681 EA 17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,075.17	1,991.01
08 33 23 13-0682 18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0693)		
08 33 23 13-0683 EA 18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,979.99	1,685.57
08 33 23 13-0684 EA 18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,014.22	1,717.33
08 33 23 13-0685 EA 18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,048.44	1,749.09
08 33 23 13-0686 EA 18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,080.71	1,780.88
08 33 23 13-0687 EA 18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,116.88	1,812.64
08 33 23 13-0688 EA 18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,149.16	1,844.40
08 33 23 13-0689 EA 18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,175.63	1,876.17
08 33 23 13-0690 EA 18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,211.67	1,913.70
08 33 23 13-0691 EA 18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,249.22	1,951.97
08 33 23 13-0692 EA 18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,288.29	1,991.01
08 33 23 13-0693 EA 18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	58,328.93	2,030.83
08 33 23 13-0694 19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0705)		
08 33 23 13-0695 EA 19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,328.10	1,719.28
08 33 23 13-0696 EA 19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,365.53	1,751.68
08 33 23 13-0697 EA 19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,399.09	1,784.09
08 33 23 13-0698 EA 19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,434.58	1,816.48
08 33 23 13-0699 EA 19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,470.07	1,848.89
08 33 23 13-0700 EA 19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,505.55	1,881.29
08 33 23 13-0701 EA 19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,531.36	1,913.70
08 33 23 13-0702 EA 19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,568.90	1,951.97
08 33 23 13-0703 EA 19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,607.98	1,991.01
08 33 23 13-0704 EA 19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	58,648.62	2,030.83
08 33 23 13-0705 EA 19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	59,692.79	2,071.45
08 33 23 13-0706 20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0717)		
08 33 23 13-0707 EA 20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,998.72	1,754.01
08 33 23 13-0708 EA 20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,038.10	1,786.23
08 33 23 13-0709 EA 20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,072.45	1,819.62
08 33 23 13-0710 EA 20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,109.89	1,852.99
08 33 23 13-0711 EA 20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,146.17	1,886.37
08 33 23 13-0712 EA 20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,182.46	1,918.60
08 33 23 13-0713 EA 20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,210.21	1,951.97
08 33 23 13-0714 EA 20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	58,249.47	1,991.10
08 33 23 13-0715 EA 20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	59,289.88	2,031.38
08 33 23 13-0716 EA 20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	60,332.60	2,071.67
08 33 23 13-0717 EA 20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	61,376.46	2,113.10

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0718	Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0560)			
08 33 23 13-0719	8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,805.03	920.74
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,592.25	940.30
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,379.47	959.87
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,163.11	979.43
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,950.33	999.00
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0727	9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,592.25	940.30
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,379.47	959.87
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,163.11	979.43
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,950.33	999.00
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,311.98	1,057.71
08 33 23 13-0735	10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,379.47	959.87
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,163.11	979.43
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,950.33	999.00
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,311.98	1,057.71
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,099.20	1,077.27
08 33 23 13-0743	11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,163.11	979.43
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,950.33	999.00
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,311.98	1,057.71
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,099.20	1,077.27
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,886.42	1,096.83
08 33 23 13-0751	12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,950.33	999.00
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,311.98	1,057.71
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,099.20	1,077.27
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,886.42	1,096.83
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,673.65	1,116.40
08 33 23 13-0759	13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,737.55	1,018.56
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,524.76	1,038.13
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,311.98	1,057.71
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,099.20	1,077.27
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,886.42	1,096.83
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,673.65	1,116.40
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,460.87	1,135.97
08 33 23 13-0767	14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,002.06	1,038.13
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,789.27	1,057.71
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,576.49	1,077.27
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,363.71	1,096.83
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,150.93	1,116.40
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,938.15	1,135.97



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	52,721.79		1,155.53
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)			
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,241.44		920.74
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,028.66		940.30
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,815.88		959.87
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,601.31		979.43
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,388.53		999.00
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,163.59		1,013.39
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	42,586.38		1,018.56
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,028.66		940.30
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,815.88		959.87
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,601.31		979.43
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,388.53		999.00
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,173.95		1,018.56
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,946.21		1,030.65
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,686.22		1,038.13
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,815.88		959.87
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,601.31		979.43
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,388.53		999.00
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,173.95		1,018.56
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,961.17		1,038.13
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,738.03		1,052.52
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,695.89		1,057.71
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,601.31		979.43
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,388.53		999.00
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,173.95		1,018.56
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,961.17		1,038.13
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,748.39		1,057.71
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,525.25		1,072.09
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	42,705.56		1,077.27
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,388.53		999.00
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,173.95		1,018.56
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,961.17		1,038.13
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,748.39		1,057.71
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,535.61		1,077.27
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,310.17		1,090.50
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	43,715.23		1,096.83
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,173.95		1,018.56
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,961.17		1,038.13
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,748.39		1,057.71
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,535.61		1,077.27
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,322.83		1,096.83
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,098.54		1,110.64
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,724.92		1,116.40
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	42,625.51		1,038.13
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	43,635.18		1,057.71
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,644.85		1,077.27
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	45,652.73		1,096.83

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	46,664.20	1,116.40
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	47,663.51	1,130.78
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	47,673.87	1,135.97
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0560)		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	44,632.97	920.74
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	45,635.04	940.30
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	46,635.17	959.87
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	48,168.11	979.43
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	49,702.99	999.00
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	51,237.86	1,018.56
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	52,772.74	1,038.13
08 33 23 13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	45,635.04	940.30
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	46,635.17	959.87
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	47,635.30	979.43
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	49,170.18	999.00
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	50,703.12	1,018.56
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	52,237.99	1,038.13
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	53,782.55	1,057.71
08 33 23 13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	46,635.17	959.87
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	47,635.30	979.43
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	48,635.43	999.00
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	50,170.31	1,018.56
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	51,703.24	1,038.13
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	53,238.12	1,057.71
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	54,792.37	1,077.27
08 33 23 13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	47,635.30	979.43
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	48,635.43	999.00
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	49,635.56	1,018.56
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	51,170.43	1,038.13
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	52,705.31	1,057.71
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	54,238.25	1,077.27
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	55,800.25	1,096.83
08 33 23 13-0865		12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	48,635.43	999.00
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	49,635.56	1,018.56
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	50,635.68	1,038.13
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	52,170.56	1,057.71
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	53,705.43	1,077.27
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	55,238.37	1,096.83
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	56,812.01	1,116.40
08 33 23 13-0873		13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	49,635.56	1,018.56
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	50,635.68	1,038.13
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	51,635.81	1,057.71
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	53,170.69	1,077.27
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	54,705.56	1,096.83
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	56,240.45	1,116.40
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	57,821.82	1,135.97
08 33 23 13-0881		14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)	(08 33 23 13-0832)		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	50,635.68	1,038.13
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	.....	51,635.81	1,057.71



		Openings	08
		Specialty Doors and Frames	08 30
		Coiling Doors and Grilles	08 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0884 EA 14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,635.94	1,077.27
08 33 23 13-0885 EA 14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,170.81	1,096.83
08 33 23 13-0886 EA 14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	55,705.70	1,116.40
08 33 23 13-0887 EA 14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	57,240.57	1,135.97
08 33 23 13-0888 EA 14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	58,821.95	1,155.53
08 33 23 13-0889 Rytec® Spiral® Door Options (08 33 23 13-0560)		
08 33 23 13-0890 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	583.04	
Note: Per door price.		
08 33 23 13-0891 EA Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.67	
Note: Maximum of 4 per door.		
08 33 23 13-0892 EA >13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors	583.04	
Note: Maximum of 4 per door.		
08 33 23 13-0893 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.67	
Note: Maximum of 4 per door.		
08 33 23 13-0894 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors	583.04	
Note: Maximum of 4 per door.		
08 33 23 13-0895 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,083.84	57.54
08 33 23 13-0896 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,136.43	115.09
08 33 23 13-0897 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,656.97	115.09
08 33 23 13-0898 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	6,437.35	115.09
08 33 23 13-0899 EA Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	678.12	
08 33 23 13-0900 Activation And Control Box Options For High Speed Doors (08 33 23 13)		
08 33 23 13-0901 EA Pull Cord For High-Speed Rolling Doors	258.61	57.54
08 33 23 13-0902 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	201.06	28.77
08 33 23 13-0903 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	254.88	28.77
08 33 23 13-0904 EA On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	174.15	28.77
08 33 23 13-0905 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	272.82	28.77
08 33 23 13-0906 EA Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	452.21	28.77
08 33 23 13-0907 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	497.06	28.77
08 33 23 13-0908 EA Radio Control For High-Speed Rolling Doors	755.68	51.80
Note: Includes one receiver and two transmitters.		
08 33 23 13-0909 EA Floor Loop For High-Speed Rolling Doors.....	985.86	
Note: Excludes sealant.		
08 33 23 13-0910 EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	647.52	51.80
08 33 23 13-0911 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	854.35	51.80
08 33 23 13-0912 EA Motion Detector For High-Speed Rolling Doors.....	750.76	34.53
08 33 23 13-0913 EA Remote Warning Horn For High-Speed Rolling Doors	509.76	57.54
Note: Includes wall box and mounting hardware.		
08 33 23 13-0914 EA Remote Strobe Light For High-Speed Rolling Doors	698.13	57.54
Note: Includes wall box and mounting hardware.		
08 33 23 13-0915 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	796.80	57.54
Note: Includes wall box and mounting hardware.		
08 33 23 13-0916 EA Red And Green Red Light For High-Speed Rolling Doors.....	994.14	57.54
Note: Includes mounting hardware.		
08 33 26 Overhead Coiling Grilles (08 33)		
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1135 for forklift.		
08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002 EA 4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,019.62	240.53
For Lexan Lattice Pattern, Add		199.94
For Aluminum With Clear Or Anodized Bronze Finish, Add		143.61
For Staggered Brick Pattern, Add		194.40
08 33 26 00-0003 EA 6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,257.46	240.53
For Lexan Lattice Pattern, Add		235.62
For Aluminum With Clear Or Anodized Bronze Finish, Add		215.42
For Staggered Brick Pattern, Add		263.28
08 33 26 00-0004 EA 8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,728.38	300.66
For Lexan Lattice Pattern, Add		280.28
For Aluminum With Clear Or Anodized Bronze Finish, Add		287.22
For Staggered Brick Pattern, Add		332.15
08 33 26 00-0005 EA 12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,071.38	300.66
For Lexan Lattice Pattern, Add		331.73
For Aluminum With Clear Or Anodized Bronze Finish, Add		436.11
For Staggered Brick Pattern, Add		469.90
08 33 26 00-0006 EA 16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,294.16	481.06
For Lexan Lattice Pattern, Add		437.63
For Aluminum With Clear Or Anodized Bronze Finish, Add		574.44
For Staggered Brick Pattern, Add		662.67
08 33 26 00-0007 EA 20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,338.15	601.32
For Lexan Lattice Pattern, Add		543.53
For Aluminum With Clear Or Anodized Bronze Finish, Add		718.06
For Staggered Brick Pattern, Add		855.43
08 33 26 00-0008 EA 24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,694.19	721.58
For Lexan Lattice Pattern, Add		695.13
For Aluminum With Clear Or Anodized Bronze Finish, Add		861.67
For Staggered Brick Pattern, Add		962.25

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0009	EA		30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,161.55	881.93
			For Lexan Lattice Pattern, Add	847.47	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	998.01	
			For Staggered Brick Pattern, Add	1,049.47	
08 33 26 00-0010	EA		4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,192.01	240.53
			For Lexan Lattice Pattern, Add	225.80	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	179.51	
			For Staggered Brick Pattern, Add	230.95	
08 33 26 00-0011	EA		6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,507.22	240.53
			For Lexan Lattice Pattern, Add	273.08	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	269.26	
			For Staggered Brick Pattern, Add	327.96	
08 33 26 00-0012	EA		8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,004.39	300.66
			For Lexan Lattice Pattern, Add	322.06	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	359.03	
			For Staggered Brick Pattern, Add	424.97	
08 33 26 00-0013	EA		12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,433.96	300.66
			For Lexan Lattice Pattern, Add	386.50	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	538.54	
			For Staggered Brick Pattern, Add	619.00	
08 33 26 00-0014	EA		16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,771.59	481.06
			For Lexan Lattice Pattern, Add	509.24	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	718.06	
			For Staggered Brick Pattern, Add	853.52	
08 33 26 00-0015	EA		20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,927.84	601.32
			For Lexan Lattice Pattern, Add	631.98	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	897.57	
			For Staggered Brick Pattern, Add	1,088.02	
08 33 26 00-0016	EA		24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,406.66	721.58
			For Lexan Lattice Pattern, Add	802.00	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,077.22	
			For Staggered Brick Pattern, Add	1,260.02	
08 33 26 00-0017	EA		30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,261.68	881.93
			For Lexan Lattice Pattern, Add	1,012.49	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,261.26	
			For Staggered Brick Pattern, Add	1,411.50	
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,389.42	240.53
			For Lexan Lattice Pattern, Add	255.41	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	215.42	
			For Staggered Brick Pattern, Add	266.97	
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,446.57	240.53
			For Lexan Lattice Pattern, Add	263.99	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	323.12	
			For Staggered Brick Pattern, Add	391.56	
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,987.88	300.66
			For Lexan Lattice Pattern, Add	319.20	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	430.82	
			For Staggered Brick Pattern, Add	516.16	
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,846.86	300.66
			For Lexan Lattice Pattern, Add	448.05	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	646.22	
			For Staggered Brick Pattern, Add	765.35	
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,446.48	481.06
			For Lexan Lattice Pattern, Add	610.48	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	861.66	
			For Staggered Brick Pattern, Add	1,064.06	
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,867.31	601.32
			For Lexan Lattice Pattern, Add	772.91	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,077.08	
			For Staggered Brick Pattern, Add	1,362.76	
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,319.66	721.58
			For Lexan Lattice Pattern, Add	938.95	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,292.50	
			For Staggered Brick Pattern, Add	1,440.93	
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,348.62	881.93
			For Lexan Lattice Pattern, Add	1,175.53	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,497.81	
			For Staggered Brick Pattern, Add	1,569.91	
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,742.51	240.53
			For Lexan Lattice Pattern, Add	308.38	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	251.22	
			For Staggered Brick Pattern, Add	493.79	
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,128.01	240.53
			For Lexan Lattice Pattern, Add	366.20	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	376.91	
			For Staggered Brick Pattern, Add	606.31	
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,688.39	300.66
			For Lexan Lattice Pattern, Add	424.66	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	502.59	
			For Staggered Brick Pattern, Add	706.00	
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,498.20	300.66
			For Lexan Lattice Pattern, Add	546.13	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	753.96	
			For Staggered Brick Pattern, Add	895.26	



Openings		08	08
Specialty Doors and Frames		08 30	
Coiling Doors and Grilles		08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,119.85 711.48 1,005.28 1,197.70	481.06
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,560.15 876.83 1,256.59 1,500.14	601.32
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,039.00 1,046.85 1,507.91 1,701.32	721.58
08 33 26 00-0033	EA		30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	11,520.52 1,351.31 1,780.11 1,943.84	881.93
08 33 26 00-0034			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0035	LF		For Overhead Framed Rolling Grille Supports.....	105.17	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,509.44 238.15 430.83 469.90	672.56
08 33 36 00-0003	EA		18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,799.58 349.67 660.86 752.63	863.94
08 33 36 00-0004	EA		24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,174.18 459.27 861.67 962.25	1,089.35
08 33 36 00-0005	EA		30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,264.69 574.08 998.01 1,049.47	1,202.63
08 33 36 00-0006	EA		12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,174.02 297.48 538.54 619.00	766.82
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,731.20 437.35 793.14 939.94	984.90
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,305.85 563.65 1,077.22 1,260.02	1,241.46
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,715.90 717.40 1,261.26 1,411.50	1,371.00
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,848.99 357.08 646.22 765.35	863.94
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,674.79 523.98 954.16 1,166.96	1,109.63
08 33 36 00-0012	EA		24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,569.64 688.90 1,292.50 1,440.93	1,399.06
08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,152.87 861.13 1,497.81 1,569.91	1,543.38
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,510.50 417.52 753.96 895.26	955.23
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,612.82 611.66 1,090.49 1,296.57	1,226.69
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,763.37 803.72 1,507.91 1,701.32	1,546.58

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	11,572.21	1,707.73	
		For Lexan Lattice Pattern, Add	1,004.13		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,780.11		
		For Staggered Brick Pattern, Add	1,943.84		
08 33 43 Overhead Coiling Smoke Curtains (08 33)					
08 33 43 00-0001		Elevator Smoke Guard (08 33 43)			
08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	15,969.32	672.56	
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	16,563.99	672.56	
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	17,158.67	672.56	
08 34 Special Function Doors (08 30)					
08 34 13 Cold Storage Doors (08 34)					
08 34 13 00-0001		Vertical Sliding Cold Storage Doors (08 34 13)			
		Note: Doors to be filled with foamed-in-place polyurethane.			
08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,983.16	950.44	
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	474.30		
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	8,956.09	1,206.61	
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	603.30		
08 34 13 00-0004		Horizontal Sliding Cold Storage Doors (08 34 13)			
		Note: Doors to be filled with foamed-in-place polyurethane.			
08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,608.61	759.08	
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,321.58	855.96	
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,175.27	1,128.05	
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	4,895.31	689.69	
08 34 13 00-0009		Swinging Horizontal Hinged Cold Storage Doors (08 34 13)			
		Note: Doors to be filled with foamed-in-place polyurethane.			
08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	2,822.75	448.62	
08 34 16 Hangar Doors (08 34)					
08 34 16 00-0001		Bi-Parting Horizontal Rolling And Sliding Steel Hanger Door (08 34 16)			
		Note: Includes electrical motorized drive system, fail-safe safety edge, LED warning device, push button control device, hot rolled or cold formed structural steel frame with overhead track and ground rails, bottom rollers, and special hardware. The operator power supplied through a drape wire system where the cable is draped from leaf to leaf.			
08 34 16 00-0002	SF	70' To 120' Wide X To 20' High, 25' Panels, Sliding Hangar Door.....	82.07	19.16	
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.			
		For Unidirectional Door Type, Add	8.21		
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	15.99		
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	11.00		
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	27.51		
08 34 16 00-0003	SF	120' To 180' Wide X To 20' High, 25' Panels, Sliding Hangar Door.....	71.05	19.16	
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.			
		For Unidirectional Door Type, Add	7.11		
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	15.99		
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	11.00		
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	27.51		
08 34 16 00-0004	SF	120' To 180' Wide X 20-40' High, 25' Panels, Sliding Hangar Door.....	71.33	4.11	
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.			
		For Unidirectional Door Type, Add	7.13		
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	15.99		
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	11.00		
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	27.51		
08 34 16 00-0005	SF	120' To 180' Wide X 40-60' High, 25' Panels, Sliding Hangar Door.....	76.39	2.74	
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.			
		For Unidirectional Door Type, Add	7.64		
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	15.99		
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	11.00		
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	27.51		
08 34 16 00-0006	SF	120' To 180' Wide X 60-80' High, 25' Panels, Sliding Hangar Door.....	81.13	2.74	
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.			
		For Unidirectional Door Type, Add	8.11		
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	15.99		
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	11.00		
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	27.51		



Openings			08
Specialty Doors and Frames			08 30
Special Function Doors			08 34

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 34 16 00-0007	SF	150' To 200' Wide x >80' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware. <i>For Unidirectional Door Type, Add</i> <i>For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing</i> <i>For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing</i> <i>For 3/4" Insulated Glazing Panels, Add Per SF of Glazing</i>	81.97 8.20 15.99 11.00 27.51		2.74
08 34 23 Sidewalk and Basement Doors (08 34)					
08 34 23 00-0001 Drainage Doors (08 34 23)					
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.					
08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,154.92		204.98
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,418.69		214.19
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,485.33		218.79
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,649.81		223.39
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,917.01		234.90
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,952.44		229.49
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,166.95		234.90
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,261.96		240.32
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,481.93		245.72
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,855.83		259.53
08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.					
08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,316.48		229.49
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,416.73		245.72
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,077.58		273.35
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,159.09		273.35
08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.					
08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,921.03		204.98
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,239.14		214.19
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,441.66		218.79
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,769.15		223.39
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,177.61		234.90
08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.					
08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,185.83		229.49
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,264.10		245.72
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,033.38		273.35
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,691.07		273.35
08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.					
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	2,009.24		204.98
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,114.88		214.19
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,354.80		218.79
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,637.13		223.39
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,071.05		234.90
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,907.65		229.49
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,297.03		234.90
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,290.98		240.32
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,680.40		245.72
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,927.10		259.53
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.					
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,585.60		229.49
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,758.08		245.72
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,689.33		273.35
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,830.57		273.35
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.					
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,485.20		204.98
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,675.58		214.19
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,809.62		218.79
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,501.54		223.39
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,316.81		234.90

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0051	Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)			
	Note: Bilco - JD H2O Series.			
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,859.56	229.49
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,533.45	245.72
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,745.72	273.35
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,484.43	273.35
08 34 23 00-0056	Single Leaf Aluminum Drainage Door (08 34 23 00-0001)			
	Note: Bilco - J-R Series (Odor Resistant).			
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,404.21	204.98
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,099.07	214.19
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,364.44	218.79
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,634.81	223.39
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,278.41	234.90
08 34 23 00-0062	Non-Drainage Doors (08 34 23)			
08 34 23 00-0063	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - Q Series.			
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,404.96	204.98
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,701.23	214.19
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,822.28	218.79
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,899.79	223.39
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,400.59	234.90
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,158.95	229.49
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,438.62	234.90
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,723.67	240.32
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,878.66	245.72
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,301.68	259.53
08 34 23 00-0074	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - K Series.			
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,138.72	204.98
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,391.52	214.19
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,545.17	218.79
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,638.99	223.39
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,906.15	234.90
08 34 23 00-0080	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - QD Series.			
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,778.37	229.49
08 34 23 00-0082	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - KD Series.			
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,634.16	245.72
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,746.02	273.35
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,811.22	273.35
08 34 23 00-0086	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - T Series.			
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,285.42	204.98
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,500.19	214.19
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,599.51	218.79
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,753.09	223.39
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,058.28	234.90
08 34 23 00-0092	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - TD Series.			
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,818.90	245.72
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,936.19	273.35
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,995.96	273.35
08 34 23 00-0096	Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - Q Series.			
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,373.76	204.98
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,528.73	214.19
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,740.48	218.79
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,839.17	223.39
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,316.58	223.39
08 34 23 00-0102	Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)			
	Note: Bilco - QD Series.			



Openings			08
Specialty Doors and Frames			08 30
Special Function Doors			08 34

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0103	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,801.72		229.49
08 34 23 00-0104 Basement Doors (08 34 23)					
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.					
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,284.99		258.96
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door	1,035.11		196.23
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door	1,084.15		215.80
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,158.16		230.19
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,284.89		258.96
08 34 49 Radiation Shielding Doors and Frames (08 34)					
08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)					
08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)					
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	132.68		11.51
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	163.86		11.51
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	145.26		11.51
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	155.65		11.51
08 34 53 Security Doors and Frames (08 34)					
08 34 53 00-0001 Metal Security Doors, Bullet Resistant (08 34 53)					
Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.					
08 34 53 00-0002	SF	Metal Security Door	82.46		9.40
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,381.83		469.03
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	4,013.80		497.89
08 34 53 00-0005 Metal Security Doors (08 34 53)					
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.					
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	736.73		85.90
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.					
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	736.73		85.90
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.					
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,019.21		85.90
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.					
08 34 56 Security Gates (08 34)					
08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56)					
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	904.44		219.18
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,015.73		246.57
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,098.78		273.97
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,210.03		301.36
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,008.63		221.91
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,091.90		249.31
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,197.64		276.71
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,286.77		304.10
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,056.46		224.65
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,139.43		252.05
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,202.22		265.75
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,265.32		279.45
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,355.45		306.84
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,146.80		227.39
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,229.44		254.79
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,299.23		268.49
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,384.08		282.19
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,508.95		309.58
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,285.03		232.87
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,387.16		263.01
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,490.59		279.45
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,550.58		287.67
08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)					
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	617.59		153.42
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	656.79		158.90
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	695.99		164.38
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	746.18		175.34
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	782.22		186.30
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	656.63		158.90
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	696.06		164.38
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	735.27		169.86
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	785.40		180.82

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	821.69	191.78	
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	709.95	164.38	
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	749.40	169.86	
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	788.52	175.34	
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	838.83	186.30	
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	889.25	197.25	
08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)					
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	249.48	60.28	
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	260.44	65.75	
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	260.44	65.75	
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	271.96	71.23	
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	271.96	71.23	
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	282.91	76.71	
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	282.92	76.71	
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	293.86	82.19	
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	293.86	82.19	
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	304.83	87.67	
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	304.83	87.67	
08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)					
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	315.79	93.15	
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	317.51	93.15	
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	330.76	98.63	
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	344.01	104.11	
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	346.30	104.11	
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	359.54	109.59	
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	361.83	109.59	
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	374.36	115.07	
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	377.36	115.07	
08 34 73 Sound Control Door Assemblies (08 34)					
08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)					
08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)					
Note: Includes seal.					
08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)					
Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2105 for exit devices (panic bar).					
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated.....	4,551.11	207.16	
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.					
For Accent Window Vision Lite, Add			1,649.34		
For Half Window Vision Lite, Add			1,707.16		
For Full Window Vision Lite, Add			1,764.98		
For 8' Height, Add			559.97		
For 45 Minutes Fire Rated, Add			235.78		
For 60 Minutes Fire Rated, Add			353.66		
For 90 Minutes Fire Rated, Add			589.44		
For 120 Minutes Fire Rated, Add			825.22		
For 45 STC Rating, Deduct			-986.33		
For 48 STC Rating, Deduct			-707.33		
For 52 STC Rating, Add			550.15		
For 56 STC Rating, Add			1,493.25		
08 34 73 13-0004	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated.....	4,814.36	215.80	
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.					
For Accent Window Vision Lite, Add			1,649.34		
For Half Window Vision Lite, Add			1,707.16		
For Full Window Vision Lite, Add			1,764.98		
For 8' Height, Add			593.79		
For 45 Minutes Fire Rated, Add			250.02		
For 60 Minutes Fire Rated, Add			375.03		
For 90 Minutes Fire Rated, Add			625.05		
For 120 Minutes Fire Rated, Add			875.06		
For 45 STC Rating, Deduct			-1,045.91		
For 48 STC Rating, Deduct			-750.05		
For 52 STC Rating, Add			583.38		
For 56 STC Rating, Add			1,583.45		



Openings			08	08
Specialty Doors and Frames			08 30	
Special Function Doors			08 34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0005	EA		4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated.....	5,103.52	233.07
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,649.34	
			For Half Window Vision Lite, Add	1,707.16	
			For Full Window Vision Lite, Add	1,764.98	
			For 8' Height, Add	627.62	
			For 45 Minutes Fire Rated, Add	264.26	
			For 60 Minutes Fire Rated, Add	396.39	
			For 90 Minutes Fire Rated, Add	660.65	
			For 120 Minutes Fire Rated, Add	924.91	
			For 45 STC Rating, Deduct	-1,105.49	
			For 48 STC Rating, Deduct	-792.78	
			For 52 STC Rating, Add	616.61	
			For 56 STC Rating, Add	1,673.65	
08 34 73 13-0006	PR		Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated.....	9,040.06	393.62
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,298.68	
			For Pair Half Window Vision Lites, Add	3,414.32	
			For Pair Full Window Vision Lites, Add	3,529.95	
			For 8' Height, Add	1,119.94	
			For 45 Minutes Fire Rated, Add	471.55	
			For 60 Minutes Fire Rated, Add	707.33	
			For 90 Minutes Fire Rated, Add	1,178.88	
			For 120 Minutes Fire Rated, Add	1,650.43	
			For 45 STC Rating, Deduct	-1,972.66	
			For 48 STC Rating, Deduct	-1,414.66	
			For 52 STC Rating, Add	1,100.29	
			For 56 STC Rating, Add	2,986.50	
08 34 73 13-0007	PR		Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated.....	9,525.14	397.07
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,298.68	
			For Pair Half Window Vision Lites, Add	3,414.32	
			For Pair Full Window Vision Lites, Add	3,529.95	
			For 8' Height, Add	1,187.59	
			For 45 Minutes Fire Rated, Add	500.04	
			For 60 Minutes Fire Rated, Add	750.05	
			For 90 Minutes Fire Rated, Add	1,250.09	
			For 120 Minutes Fire Rated, Add	1,750.13	
			For 45 STC Rating, Deduct	-2,091.82	
			For 48 STC Rating, Deduct	-1,500.11	
			For 52 STC Rating, Add	1,166.75	
			For 56 STC Rating, Add	3,166.89	
08 34 73 13-0008	EA		3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated.....	5,112.68	130.06
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,649.34	
			For Half Window Vision Lite, Add	1,707.16	
			For Full Window Vision Lite, Add	1,764.98	
			For 8' Height, Add	635.56	
			For 45 Minutes Fire Rated, Add	267.61	
			For 60 Minutes Fire Rated, Add	401.41	
			For 90 Minutes Fire Rated, Add	669.02	
			For 120 Minutes Fire Rated, Add	936.62	
			For 45 STC Rating, Deduct	-1,119.49	
			For 48 STC Rating, Deduct	-802.82	
			For 52 STC Rating, Add	624.41	
			For 56 STC Rating, Add	1,694.84	
08 34 73 13-0009	EA		3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated.....	5,408.56	226.73
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,649.34	
			For Half Window Vision Lite, Add	1,707.16	
			For Full Window Vision Lite, Add	1,764.98	
			For 8' Height, Add	673.96	
			For 45 Minutes Fire Rated, Add	283.77	
			For 60 Minutes Fire Rated, Add	425.66	
			For 90 Minutes Fire Rated, Add	709.43	
			For 120 Minutes Fire Rated, Add	993.20	
			For 45 STC Rating, Deduct	-1,187.11	
			For 48 STC Rating, Deduct	-851.31	
			For 52 STC Rating, Add	662.13	
			For 56 STC Rating, Add	1,797.21	
08 34 73 13-0010	EA		4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated.....	5,733.21	245.15
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,649.34	
			For Half Window Vision Lite, Add	1,707.16	
			For Full Window Vision Lite, Add	1,764.98	
			For 8' Height, Add	712.34	
			For 45 Minutes Fire Rated, Add	299.93	
			For 60 Minutes Fire Rated, Add	449.90	
			For 90 Minutes Fire Rated, Add	749.84	
			For 120 Minutes Fire Rated, Add	1,049.77	
			For 45 STC Rating, Deduct	-1,254.73	
			For 48 STC Rating, Deduct	-899.80	
			For 52 STC Rating, Add	699.85	
			For 56 STC Rating, Add	1,899.59	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated.....		9,629.26	413.18
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.			
		For Pair Accent Window Vision Lites, Add		3,298.68	
		For Pair Half Window Vision Lites, Add		3,414.32	
		For Pair Full Window Vision Lites, Add		3,529.95	
		For 8' Height, Add		1,195.53	
		For 45 Minutes Fire Rated, Add		503.38	
		For 60 Minutes Fire Rated, Add		755.07	
		For 90 Minutes Fire Rated, Add		1,258.46	
		For 120 Minutes Fire Rated, Add		1,761.84	
		For 45 STC Rating, Deduct		-2,105.82	
		For 48 STC Rating, Deduct		-1,510.15	
		For 52 STC Rating, Add		1,174.56	
		For 56 STC Rating, Add		3,188.09	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated.....		10,147.53	416.63
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.			
		For Pair Accent Window Vision Lites, Add		3,298.68	
		For Pair Half Window Vision Lites, Add		3,414.32	
		For Pair Full Window Vision Lites, Add		3,529.95	
		For 8' Height, Add		1,267.75	
		For 45 Minutes Fire Rated, Add		533.79	
		For 60 Minutes Fire Rated, Add		800.68	
		For 90 Minutes Fire Rated, Add		1,334.47	
		For 120 Minutes Fire Rated, Add		1,868.26	
		For 45 STC Rating, Deduct		-2,233.01	
		For 48 STC Rating, Deduct		-1,601.36	
		For 52 STC Rating, Add		1,245.51	
		For 56 STC Rating, Add		3,380.66	
08 34 73 13-0013 Steel Acoustical Door Frames (08 34 73 13-0001)					
		Note: Includes threshold and rating up to STC 55.			
08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame		3,231.99	115.09
		For 8' Height, Add		318.74	
		For 45 Minutes Fire Rated, Add		194.01	
		For 60 Minutes Fire Rated, Add		332.59	
		For 90 Minutes Fire Rated, Add		471.18	
		For 120 Minutes Fire Rated, Add		665.19	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame		3,310.50	115.09
		For 8' Height, Add		327.76	
		For 45 Minutes Fire Rated, Add		199.51	
		For 60 Minutes Fire Rated, Add		342.02	
		For 90 Minutes Fire Rated, Add		484.52	
		For 120 Minutes Fire Rated, Add		684.03	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame		3,389.01	115.09
		For 8' Height, Add		336.79	
		For 45 Minutes Fire Rated, Add		205.00	
		For 60 Minutes Fire Rated, Add		351.44	
		For 90 Minutes Fire Rated, Add		497.87	
		For 120 Minutes Fire Rated, Add		702.87	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame		3,467.52	115.09
		For 8' Height, Add		345.82	
		For 45 Minutes Fire Rated, Add		210.50	
		For 60 Minutes Fire Rated, Add		360.86	
		For 90 Minutes Fire Rated, Add		511.22	
		For 120 Minutes Fire Rated, Add		721.72	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....		3,687.01	126.61
		For 8' Height, Add		365.77	
		For 45 Minutes Fire Rated, Add		222.64	
		For 60 Minutes Fire Rated, Add		381.67	
		For 90 Minutes Fire Rated, Add		540.70	
		For 120 Minutes Fire Rated, Add		763.35	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....		3,774.65	126.61
		For 8' Height, Add		375.85	
		For 45 Minutes Fire Rated, Add		228.78	
		For 60 Minutes Fire Rated, Add		392.19	
		For 90 Minutes Fire Rated, Add		555.60	
		For 120 Minutes Fire Rated, Add		784.38	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....		3,853.16	126.61
		For 8' Height, Add		384.88	
		For 45 Minutes Fire Rated, Add		234.27	
		For 60 Minutes Fire Rated, Add		401.61	
		For 90 Minutes Fire Rated, Add		568.95	
		For 120 Minutes Fire Rated, Add		803.22	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....		3,950.54	126.61
		For 8' Height, Add		396.08	
		For 45 Minutes Fire Rated, Add		241.09	
		For 60 Minutes Fire Rated, Add		413.30	
		For 90 Minutes Fire Rated, Add		585.50	
		For 120 Minutes Fire Rated, Add		826.59	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame		4,139.11	132.35
		For 8' Height, Add		415.11	
		For 45 Minutes Fire Rated, Add		252.68	
		For 60 Minutes Fire Rated, Add		433.16	
		For 90 Minutes Fire Rated, Add		613.65	
		For 120 Minutes Fire Rated, Add		866.32	



Openings			08	08
Specialty Doors and Frames			08 30	
Special Function Doors			08 34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	.....	4,217.62	132.35
		For 8' Height, Add		424.14	
		For 45 Minutes Fire Rated, Add		258.17	
		For 60 Minutes Fire Rated, Add		442.58	
		For 90 Minutes Fire Rated, Add		626.99	
		For 120 Minutes Fire Rated, Add		885.17	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	.....	4,296.13	132.35
		For 8' Height, Add		433.17	
		For 45 Minutes Fire Rated, Add		263.67	
		For 60 Minutes Fire Rated, Add		452.00	
		For 90 Minutes Fire Rated, Add		640.34	
		For 120 Minutes Fire Rated, Add		904.01	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	.....	4,383.77	132.35
		For 8' Height, Add		443.25	
		For 45 Minutes Fire Rated, Add		269.80	
		For 60 Minutes Fire Rated, Add		462.52	
		For 90 Minutes Fire Rated, Add		655.24	
		For 120 Minutes Fire Rated, Add		925.04	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,167.84	149.62
		For 8' Height, Add		755.48	
		For 45 Minutes Fire Rated, Add		459.86	
		For 60 Minutes Fire Rated, Add		788.32	
		For 90 Minutes Fire Rated, Add		1,116.79	
		For 120 Minutes Fire Rated, Add		1,576.65	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,242.70	149.62
		For 8' Height, Add		764.09	
		For 45 Minutes Fire Rated, Add		465.10	
		For 60 Minutes Fire Rated, Add		797.31	
		For 90 Minutes Fire Rated, Add		1,129.52	
		For 120 Minutes Fire Rated, Add		1,594.61	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,323.04	149.62
		For 8' Height, Add		773.32	
		For 45 Minutes Fire Rated, Add		470.72	
		For 60 Minutes Fire Rated, Add		806.95	
		For 90 Minutes Fire Rated, Add		1,143.18	
		For 120 Minutes Fire Rated, Add		1,613.89	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,405.20	149.62
		For 8' Height, Add		782.77	
		For 45 Minutes Fire Rated, Add		476.47	
		For 60 Minutes Fire Rated, Add		816.81	
		For 90 Minutes Fire Rated, Add		1,157.14	
		For 120 Minutes Fire Rated, Add		1,633.61	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,683.56	155.38
		For 8' Height, Add		812.14	
		For 45 Minutes Fire Rated, Add		494.34	
		For 60 Minutes Fire Rated, Add		847.45	
		For 90 Minutes Fire Rated, Add		1,200.55	
		For 120 Minutes Fire Rated, Add		1,694.89	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,764.04	155.38
		For 8' Height, Add		821.39	
		For 45 Minutes Fire Rated, Add		499.98	
		For 60 Minutes Fire Rated, Add		857.10	
		For 90 Minutes Fire Rated, Add		1,214.23	
		For 120 Minutes Fire Rated, Add		1,714.21	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,850.40	155.38
		For 8' Height, Add		831.32	
		For 45 Minutes Fire Rated, Add		506.02	
		For 60 Minutes Fire Rated, Add		867.47	
		For 90 Minutes Fire Rated, Add		1,228.91	
		For 120 Minutes Fire Rated, Add		1,734.94	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	.....	7,938.73	155.38
		For 8' Height, Add		841.48	
		For 45 Minutes Fire Rated, Add		512.21	
		For 60 Minutes Fire Rated, Add		878.07	
		For 90 Minutes Fire Rated, Add		1,243.93	
		For 120 Minutes Fire Rated, Add		1,756.14	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	.....	3,539.95	115.09
		For 8' Height, Add		354.15	
		For 45 Minutes Fire Rated, Add		215.57	
		For 60 Minutes Fire Rated, Add		369.55	
		For 90 Minutes Fire Rated, Add		523.53	
		For 120 Minutes Fire Rated, Add		739.10	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	.....	3,627.18	115.09
		For 8' Height, Add		364.18	
		For 45 Minutes Fire Rated, Add		221.68	
		For 60 Minutes Fire Rated, Add		380.02	
		For 90 Minutes Fire Rated, Add		538.36	
		For 120 Minutes Fire Rated, Add		760.03	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0036	EA	3' x 7', 8-1/2"	To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,714.42	115.09
		For 8' Height, Add		374.22	
		For 45 Minutes Fire Rated, Add		227.78	
		For 60 Minutes Fire Rated, Add		390.49	
		For 90 Minutes Fire Rated, Add		553.19	
		For 120 Minutes Fire Rated, Add		780.97	
08 34 73 13-0037	EA	3' x 7', 10-1/2"	To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,801.65	115.09
		For 8' Height, Add		384.25	
		For 45 Minutes Fire Rated, Add		233.89	
		For 60 Minutes Fire Rated, Add		400.95	
		For 90 Minutes Fire Rated, Add		568.02	
		For 120 Minutes Fire Rated, Add		801.91	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2"	To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,040.41	126.61
		For 8' Height, Add		406.41	
		For 45 Minutes Fire Rated, Add		247.38	
		For 60 Minutes Fire Rated, Add		424.08	
		For 90 Minutes Fire Rated, Add		600.78	
		For 120 Minutes Fire Rated, Add		848.16	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2"	To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,137.79	126.61
		For 8' Height, Add		417.61	
		For 45 Minutes Fire Rated, Add		254.20	
		For 60 Minutes Fire Rated, Add		435.77	
		For 90 Minutes Fire Rated, Add		617.34	
		For 120 Minutes Fire Rated, Add		871.53	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2"	To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,225.02	126.61
		For 8' Height, Add		427.64	
		For 45 Minutes Fire Rated, Add		260.30	
		For 60 Minutes Fire Rated, Add		446.23	
		For 90 Minutes Fire Rated, Add		632.17	
		For 120 Minutes Fire Rated, Add		892.47	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2"	To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,333.22	126.61
		For 8' Height, Add		440.08	
		For 45 Minutes Fire Rated, Add		267.88	
		For 60 Minutes Fire Rated, Add		459.22	
		For 90 Minutes Fire Rated, Add		650.56	
		For 120 Minutes Fire Rated, Add		918.44	
08 34 73 13-0042	EA	4' x 7', 4-1/2"	To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,540.19	132.35
		For 8' Height, Add		461.24	
		For 45 Minutes Fire Rated, Add		280.75	
		For 60 Minutes Fire Rated, Add		481.29	
		For 90 Minutes Fire Rated, Add		681.83	
		For 120 Minutes Fire Rated, Add		962.58	
08 34 73 13-0043	EA	4' x 7', 6-1/2"	To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,627.42	132.35
		For 8' Height, Add		471.27	
		For 45 Minutes Fire Rated, Add		286.86	
		For 60 Minutes Fire Rated, Add		491.76	
		For 90 Minutes Fire Rated, Add		696.66	
		For 120 Minutes Fire Rated, Add		983.52	
08 34 73 13-0044	EA	4' x 7', 8-1/2"	To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,714.65	132.35
		For 8' Height, Add		481.30	
		For 45 Minutes Fire Rated, Add		292.97	
		For 60 Minutes Fire Rated, Add		502.23	
		For 90 Minutes Fire Rated, Add		711.49	
		For 120 Minutes Fire Rated, Add		1,004.45	
08 34 73 13-0045	EA	4' x 7', 10-1/2"	To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,812.03	132.35
		For 8' Height, Add		492.50	
		For 45 Minutes Fire Rated, Add		299.78	
		For 60 Minutes Fire Rated, Add		513.91	
		For 90 Minutes Fire Rated, Add		728.04	
		For 120 Minutes Fire Rated, Add		1,027.82	
08 34 73 13-0046	EA	6' x 7', 4-1/2"	To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,897.77	149.62
		For 8' Height, Add		839.42	
		For 45 Minutes Fire Rated, Add		510.95	
		For 60 Minutes Fire Rated, Add		875.91	
		For 90 Minutes Fire Rated, Add		1,240.88	
		For 120 Minutes Fire Rated, Add		1,751.83	
08 34 73 13-0047	EA	6' x 7', 6-1/2"	To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,980.95	149.62
		For 8' Height, Add		848.98	
		For 45 Minutes Fire Rated, Add		516.77	
		For 60 Minutes Fire Rated, Add		885.90	
		For 90 Minutes Fire Rated, Add		1,255.02	
		For 120 Minutes Fire Rated, Add		1,771.79	
08 34 73 13-0048	EA	6' x 7', 8-1/2"	To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,070.21	149.62
		For 8' Height, Add		859.25	
		For 45 Minutes Fire Rated, Add		523.02	
		For 60 Minutes Fire Rated, Add		896.61	
		For 90 Minutes Fire Rated, Add		1,270.19	
		For 120 Minutes Fire Rated, Add		1,793.22	



			Openings	08	08
			Specialty Doors and Frames	08 30	
			Special Function Doors	08 34	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,161.50		149.62
		For 8' Height, Add	869.75		
		For 45 Minutes Fire Rated, Add	529.41		
		For 60 Minutes Fire Rated, Add	907.56		
		For 90 Minutes Fire Rated, Add	1,285.71		
		For 120 Minutes Fire Rated, Add	1,815.12		
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,468.24		155.38
		For 8' Height, Add	902.38		
		For 45 Minutes Fire Rated, Add	549.27		
		For 60 Minutes Fire Rated, Add	941.61		
		For 90 Minutes Fire Rated, Add	1,333.95		
		For 120 Minutes Fire Rated, Add	1,883.22		
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,557.65		155.38
		For 8' Height, Add	912.66		
		For 45 Minutes Fire Rated, Add	555.53		
		For 60 Minutes Fire Rated, Add	952.34		
		For 90 Minutes Fire Rated, Add	1,349.15		
		For 120 Minutes Fire Rated, Add	1,904.68		
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,653.61		155.38
		For 8' Height, Add	923.69		
		For 45 Minutes Fire Rated, Add	562.25		
		For 60 Minutes Fire Rated, Add	963.85		
		For 90 Minutes Fire Rated, Add	1,365.46		
		For 120 Minutes Fire Rated, Add	1,927.71		
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,751.75		155.38
		For 8' Height, Add	934.98		
		For 45 Minutes Fire Rated, Add	569.12		
		For 60 Minutes Fire Rated, Add	975.63		
		For 90 Minutes Fire Rated, Add	1,382.14		
		For 120 Minutes Fire Rated, Add	1,951.26		

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001	Wood Acoustical Door Assembly (08 34 73 16) Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.				
08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated.....	2,655.44		322.26
		Note: Includes the prefinished door, frame, hinges and seals.			
		For 8' Height, Add	164.90		
		For 2-1/4" Thick, Add	156.85		
		For 20 Minutes Fire Rated, Add	50.00		
		For 45 Minutes Fire Rated, Add	80.00		
		For 60 Minutes Fire Rated, Add	115.00		
		For 90 Minutes Fire Rated, Add	145.00		
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated.....	2,863.46		322.26
		Note: Includes the prefinished door, frame, hinges and seals.			
		For 8' Height, Add	181.95		
		For 2-1/4" Thick, Add	173.08		
		For 20 Minutes Fire Rated, Add	50.00		
		For 45 Minutes Fire Rated, Add	80.00		
		For 60 Minutes Fire Rated, Add	115.00		
		For 90 Minutes Fire Rated, Add	145.00		
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated.....	2,979.03		322.26
		Note: Includes the prefinished door, frame, hinges and seals.			
		For 8' Height, Add	191.43		
		For 2-1/4" Thick, Add	182.09		
		For 20 Minutes Fire Rated, Add	50.00		
		For 45 Minutes Fire Rated, Add	80.00		
		For 60 Minutes Fire Rated, Add	115.00		
		For 90 Minutes Fire Rated, Add	145.00		
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated.....	3,094.60		322.26
		Note: Includes the prefinished door, frame, hinges and seals.			
		For 8' Height, Add	200.91		
		For 2-1/4" Thick, Add	191.11		
		For 20 Minutes Fire Rated, Add	50.00		
		For 45 Minutes Fire Rated, Add	80.00		
		For 60 Minutes Fire Rated, Add	115.00		
		For 90 Minutes Fire Rated, Add	145.00		
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated.....	3,603.11		322.26
		Note: Includes the prefinished door, frame, hinges and seals.			
		For 8' Height, Add	242.60		
		For 2-1/4" Thick, Add	230.77		
		For 20 Minutes Fire Rated, Add	50.00		
		For 45 Minutes Fire Rated, Add	80.00		
		For 60 Minutes Fire Rated, Add	115.00		
		For 90 Minutes Fire Rated, Add	145.00		

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0007	EA		3' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated.....	4,712.58	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	333.58	
			For 2-1/4" Thick, Add	317.31	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0008	EA		3' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated.....	4,927.54	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	351.21	
			For 2-1/4" Thick, Add	334.08	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0009	EA		3' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated.....	5,475.28	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	396.12	
			For 2-1/4" Thick, Add	376.80	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0010	EA		3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated.....	5,787.38	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	421.71	
			For 2-1/4" Thick, Add	401.14	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0011	EA		3' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated.....	6,108.09	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	448.01	
			For 2-1/4" Thick, Add	426.16	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0012	EA		3' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated.....	6,428.80	322.26
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	474.31	
			For 2-1/4" Thick, Add	451.17	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0013	EA		3' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated.....	7,502.88	322.26
			For 8' Height, Add	562.39	
			For 2-1/4" Thick, Add	534.95	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0014	EA		3' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated.....	7,975.06	322.26
			For 8' Height, Add	601.10	
			For 2-1/4" Thick, Add	571.78	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0015	EA		3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated.....	8,325.88	322.26
			For 8' Height, Add	629.87	
			For 2-1/4" Thick, Add	599.15	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0016	EA		3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,829.28	333.77
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	177.26	
			For 2-1/4" Thick, Add	168.62	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0017	EA		3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,052.90	333.77
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	195.60	
			For 2-1/4" Thick, Add	186.06	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	



Openings			08	08
Specialty Doors and Frames			08 30	
Special Function Doors			08 34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0018	EA		3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,177.14	333.77
			For 8' Height, Add	205.79	
			For 2-1/4" Thick, Add	195.75	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0019	EA		3'-6" x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,301.38	333.77
			For 8' Height, Add	215.97	
			For 2-1/4" Thick, Add	205.44	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0020	EA		3'-6" x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,848.03	333.77
			For 8' Height, Add	260.80	
			For 2-1/4" Thick, Add	248.08	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0021	EA		3'-6" x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,040.71	333.77
			For 8' Height, Add	358.60	
			For 2-1/4" Thick, Add	341.11	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0022	EA		3'-6" x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,271.79	333.77
			For 8' Height, Add	377.55	
			For 2-1/4" Thick, Add	359.13	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0023	EA		3'-6" x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,860.61	333.77
			For 8' Height, Add	425.83	
			For 2-1/4" Thick, Add	405.06	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0024	EA		3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,196.12	333.77
			For 8' Height, Add	453.34	
			For 2-1/4" Thick, Add	431.23	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0025	EA		3'-6" x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,540.88	333.77
			For 8' Height, Add	481.61	
			For 2-1/4" Thick, Add	458.12	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0026	EA		3'-6" x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,885.64	333.77
			For 8' Height, Add	509.88	
			For 2-1/4" Thick, Add	485.01	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0027	EA		3'-6" x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	8,040.28	333.77
			For 8' Height, Add	604.56	
			For 2-1/4" Thick, Add	575.07	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0028	EA		3'-6" x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	8,547.87	333.77
			For 8' Height, Add	646.19	
			For 2-1/4" Thick, Add	614.67	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0029	EA		3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,925.00	333.77
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	677.11	
			For 2-1/4" Thick, Add	644.08	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0030	EA		4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	3,204.20	345.28
			For 8' Height, Add	206.12	
			For 2-1/4" Thick, Add	196.06	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0031	EA		4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,464.23	345.28
			For 8' Height, Add	227.44	
			For 2-1/4" Thick, Add	216.35	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0032	EA		4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,608.69	345.28
			For 8' Height, Add	239.29	
			For 2-1/4" Thick, Add	227.61	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0033	EA		4' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,753.15	345.28
			For 8' Height, Add	251.13	
			For 2-1/4" Thick, Add	238.88	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0034	EA		4' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	4,388.79	345.28
			For 8' Height, Add	303.26	
			For 2-1/4" Thick, Add	288.46	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0035	EA		4' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	5,775.63	345.28
			For 8' Height, Add	416.98	
			For 2-1/4" Thick, Add	396.64	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0036	EA		4' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	6,044.33	345.28
			For 8' Height, Add	439.01	
			For 2-1/4" Thick, Add	417.59	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0037	EA		4' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	6,729.00	345.28
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	495.15	
			For 2-1/4" Thick, Add	471.00	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0038	EA		4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	7,119.13	345.28
			For 8' Height, Add	527.14	
			For 2-1/4" Thick, Add	501.43	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0039	EA		4' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	7,520.01	345.28
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 8' Height, Add	560.02	
			For 2-1/4" Thick, Add	532.70	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0040	EA		4' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	7,920.90	345.28
			For 8' Height, Add	592.89	
			For 2-1/4" Thick, Add	563.97	
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	



Openings		08	08
Specialty Doors and Frames		08 30	
Special Function Doors		08 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0041 EA 4' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated.....	9,263.51	345.28
For 8' Height, Add	702.98	
For 2-1/4" Thick, Add	668.69	
For 20 Minutes Fire Rated, Add	50.00	
For 45 Minutes Fire Rated, Add	80.00	
For 60 Minutes Fire Rated, Add	115.00	
For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0042 EA 4' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated.....	9,853.73	345.28
For 8' Height, Add	751.38	
For 2-1/4" Thick, Add	714.73	
For 20 Minutes Fire Rated, Add	50.00	
For 45 Minutes Fire Rated, Add	80.00	
For 60 Minutes Fire Rated, Add	115.00	
For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0043 EA 4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated.....	10,292.25	345.28
For 8' Height, Add	787.34	
For 2-1/4" Thick, Add	748.93	
For 20 Minutes Fire Rated, Add	50.00	
For 45 Minutes Fire Rated, Add	80.00	
For 60 Minutes Fire Rated, Add	115.00	
For 90 Minutes Fire Rated, Add	145.00	

08 35 Folding Doors and Grilles (08 30)

08 35 13 Folding Doors (08 35)

08 35 13 13 Accordion Folding Doors (08 35 13)

08 35 13 13-0001 Accordion Folding Doors (08 35 13 13)

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002 SF Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	100.15	11.51
For Fire Retardant, Add	22.45	
08 35 13 13-0003 SF 1/32" Thick, Single Ply Vinyl, Accordion Folding Door	19.51	11.51
For Fire Retardant, Add	2.29	
08 35 13 13-0004 SF 0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door.....	44.77	11.51
For Fire Retardant, Add	8.60	
08 35 13 13-0005 SF 3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	63.81	11.51
For Fire Retardant, Add	13.36	

08 36 Panel Doors (08 30)

08 36 13 Sectional Doors (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1135 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) (08 36 13)

08 36 13 00-0002 Wood Sectional Overhead Doors (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003 EA 8' x 8', Wood Sectional Door, Manual Lift	2,860.14	460.37
08 36 13 00-0004 EA 10' x 10', Wood Sectional Door, Manual Lift	3,545.06	511.01
08 36 13 00-0005 EA 12' x 12', Wood Sectional Door, Manual Lift	4,515.72	612.29
08 36 13 00-0006 EA 14' x 14', Wood Sectional Door, Manual Lift	6,475.06	708.97
08 36 13 00-0007 EA 12' x 16', Wood Sectional Door, Manual Lift	6,989.38	920.74
08 36 13 00-0008 EA 20' x 8', Wood Sectional Door, Manual Lift	6,709.19	1,150.93
08 36 13 00-0009 EA 20' x 16', Wood Sectional Door, Manual Lift	12,140.28	1,534.19

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011 EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,475.04	230.19
For Hardboard Face, Add	115.00	
For Insulation, Add	117.00	
For Motor Operator With Remote Controls, Add	460.28	
For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012 EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,307.31	230.19
For Hardboard Face, Add	115.00	
For Insulation, Add	117.00	
For Motor Operator With Remote Controls, Add	494.50	
For Each Glass Vision Panel In Door, Add	50.00	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) (08 36 13)

Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)

08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016 EA 8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,077.67	402.82
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	184.44	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	318.01	
For Aluminum, Mill Finish, Add	145.01	
For Aluminum, Anodized Finish, Add	405.77	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0017	EA		8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,456.36	460.37
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	222.66	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	383.91	
			For Aluminum, Mill Finish, Add	175.06	
			For Aluminum, Anodized Finish, Add	489.86	
08 36 13 00-0018	EA		8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,028.44	575.46
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	272.24	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	469.38	
			For Aluminum, Mill Finish, Add	214.04	
			For Aluminum, Anodized Finish, Add	598.93	
08 36 13 00-0019	EA		10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,338.96	460.37
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	205.64	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	354.56	
			For Aluminum, Mill Finish, Add	161.68	
			For Aluminum, Anodized Finish, Add	452.41	
08 36 13 00-0020	EA		10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,378.09	575.46
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	250.44	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	431.79	
			For Aluminum, Mill Finish, Add	196.90	
			For Aluminum, Anodized Finish, Add	550.96	
08 36 13 00-0021	EA		10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,608.51	748.10
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	306.28	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	528.08	
			For Aluminum, Mill Finish, Add	240.80	
			For Aluminum, Anodized Finish, Add	673.83	
08 36 13 00-0022	EA		10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,246.27	920.74
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	348.69	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	601.20	
			For Aluminum, Mill Finish, Add	274.15	
			For Aluminum, Anodized Finish, Add	767.13	
08 36 13 00-0023	EA		12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,779.26	575.46
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	236.11	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	407.08	
			For Aluminum, Mill Finish, Add	185.63	
			For Aluminum, Anodized Finish, Add	519.44	
08 36 13 00-0024	EA		12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,460.23	748.10
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	284.78	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	491.01	
			For Aluminum, Mill Finish, Add	223.90	
			For Aluminum, Anodized Finish, Add	626.53	
08 36 13 00-0025	EA		12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,219.47	920.74
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	344.81	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	594.50	
			For Aluminum, Mill Finish, Add	271.09	
			For Aluminum, Anodized Finish, Add	758.58	
08 36 13 00-0026	EA		12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,974.62	1,093.38
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	404.24	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	696.97	
			For Aluminum, Mill Finish, Add	317.82	
			For Aluminum, Anodized Finish, Add	889.33	
08 36 13 00-0027	EA		12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,927.23	1,323.56
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	475.62	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	820.03	
			For Aluminum, Mill Finish, Add	373.93	
			For Aluminum, Anodized Finish, Add	1,046.36	
08 36 13 00-0028	EA		14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,264.58	748.10
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	256.42	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	442.10	
			For Aluminum, Mill Finish, Add	201.60	
			For Aluminum, Anodized Finish, Add	564.11	
08 36 13 00-0029	EA		14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,015.58	920.74
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	315.24	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	543.53	
			For Aluminum, Mill Finish, Add	247.85	
			For Aluminum, Anodized Finish, Add	693.54	
08 36 13 00-0030	EA		14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,947.59	1,150.93
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	383.63	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	661.44	
			For Aluminum, Mill Finish, Add	301.61	
			For Aluminum, Anodized Finish, Add	843.99	
08 36 13 00-0031	EA		14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,706.85	1,323.56
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	443.66	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	764.93	
			For Aluminum, Mill Finish, Add	348.81	
			For Aluminum, Anodized Finish, Add	976.05	
08 36 13 00-0032	EA		14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,575.26	1,496.20
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	519.51	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	895.72	
			For Aluminum, Mill Finish, Add	408.45	
			For Aluminum, Anodized Finish, Add	1,142.93	
08 36 13 00-0033	EA		16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,943.48	920.74
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	304.79	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	525.50	
			For Aluminum, Mill Finish, Add	239.63	
			For Aluminum, Anodized Finish, Add	670.54	



Openings			08	08
Specialty Doors and Frames			08 30	
Panel Doors			08 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,871.38	1,150.93	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	372.58		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	642.38		
		For Aluminum, Mill Finish, Add	292.93		
		For Aluminum, Anodized Finish, Add	819.68		
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,745.96	1,323.56	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	449.33		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	774.71		
		For Aluminum, Mill Finish, Add	353.27		
		For Aluminum, Anodized Finish, Add	988.53		
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,884.19	1,496.20	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	564.31		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	972.95		
		For Aluminum, Mill Finish, Add	443.66		
		For Aluminum, Anodized Finish, Add	1,241.48		
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,026.30	1,726.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	663.16		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,143.38		
		For Aluminum, Mill Finish, Add	521.38		
		For Aluminum, Anodized Finish, Add	1,458.95		
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,029.99	1,150.93	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	395.58		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	682.04		
		For Aluminum, Mill Finish, Add	311.01		
		For Aluminum, Anodized Finish, Add	870.28		
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,030.21	1,323.56	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	490.55		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	845.77		
		For Aluminum, Mill Finish, Add	385.67		
		For Aluminum, Anodized Finish, Add	1,079.21		
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,337.30	1,496.20	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	630.01		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,086.23		
		For Aluminum, Mill Finish, Add	495.32		
		For Aluminum, Anodized Finish, Add	1,386.02		
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,481.48	1,726.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	729.16		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,257.17		
		For Aluminum, Mill Finish, Add	573.27		
		For Aluminum, Anodized Finish, Add	1,604.15		
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,753.34	1,956.57	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	846.82		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,460.04		
		For Aluminum, Mill Finish, Add	665.78		
		For Aluminum, Anodized Finish, Add	1,863.01		
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,706.85	1,323.56	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	443.66		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	764.93		
		For Aluminum, Mill Finish, Add	348.81		
		For Aluminum, Anodized Finish, Add	976.05		
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,707.08	1,496.20	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	538.63		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	928.67		
		For Aluminum, Mill Finish, Add	423.47		
		For Aluminum, Anodized Finish, Add	1,184.98		
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,322.90	1,726.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	706.16		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,217.53		
		For Aluminum, Mill Finish, Add	555.19		
		For Aluminum, Anodized Finish, Add	1,553.56		
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,467.05	1,956.57	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	805.31		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,388.47		
		For Aluminum, Mill Finish, Add	633.14		
		For Aluminum, Anodized Finish, Add	1,771.69		
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,776.94	2,186.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,073.49		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,850.85		
		For Aluminum, Mill Finish, Add	843.99		
		For Aluminum, Anodized Finish, Add	2,361.68		
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,344.57	1,496.20	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	486.06		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	838.04		
		For Aluminum, Mill Finish, Add	382.15		
		For Aluminum, Anodized Finish, Add	1,069.34		
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,880.10	1,726.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	641.96		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,106.83		
		For Aluminum, Mill Finish, Add	504.71		
		For Aluminum, Anodized Finish, Add	1,412.31		
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,374.37	1,956.57	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	791.87		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,365.30		
		For Aluminum, Mill Finish, Add	622.58		
		For Aluminum, Anodized Finish, Add	1,742.12		

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,111.69	2,186.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	977.03		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,684.54		
		For Aluminum, Mill Finish, Add	768.15		
		For Aluminum, Anodized Finish, Add	2,149.47		
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,550.31	2,416.95	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,118.88		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,929.11		
		For Aluminum, Mill Finish, Add	879.67		
		For Aluminum, Anodized Finish, Add	2,461.54		
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,004.78	1,726.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	515.04		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	888.00		
		For Aluminum, Mill Finish, Add	404.93		
		For Aluminum, Anodized Finish, Add	1,133.08		
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,604.07	1,956.57	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	680.18		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,172.73		
		For Aluminum, Mill Finish, Add	534.76		
		For Aluminum, Anodized Finish, Add	1,496.40		
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,559.72	2,186.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	896.99		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,546.54		
		For Aluminum, Mill Finish, Add	705.22		
		For Aluminum, Anodized Finish, Add	1,973.39		
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,817.11	2,416.95	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,012.57		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,745.81		
		For Aluminum, Mill Finish, Add	796.09		
		For Aluminum, Anodized Finish, Add	2,227.65		
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,292.85	2,647.13	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,159.80		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,999.65		
		For Aluminum, Mill Finish, Add	911.84		
		For Aluminum, Anodized Finish, Add	2,551.56		
08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)					
Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.					
08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,683.76	402.82	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	234.76		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	469.53		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,220.77		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,347.64		
		For Aluminum, Mill Finish, Add	214.10		
		For Aluminum, Anodized Finish, Add	599.12		
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,208.66	460.37	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	285.99		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	571.98		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,487.15		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,859.90		
		For Aluminum, Mill Finish, Add	260.82		
		For Aluminum, Anodized Finish, Add	729.85		
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,936.02	575.46	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	348.14		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	696.27		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,810.31		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,481.36		
		For Aluminum, Mill Finish, Add	317.50		
		For Aluminum, Anodized Finish, Add	888.44		
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,125.12	460.37	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	275.55		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	551.10		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,432.85		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,755.48		
		For Aluminum, Mill Finish, Add	251.30		
		For Aluminum, Anodized Finish, Add	703.20		
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,833.10	575.46	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	335.27		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	670.54		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,743.41		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,352.71		
		For Aluminum, Mill Finish, Add	305.77		
		For Aluminum, Anodized Finish, Add	855.61		
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,863.93	748.10	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	420.97		
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	841.93		
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,189.02		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,209.66		
		For Aluminum, Mill Finish, Add	383.92		
		For Aluminum, Anodized Finish, Add	1,074.31		



Openings			08	08
Specialty Doors and Frames			08 30	
Panel Doors			08 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,617.08	920.74
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	471.95	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	943.90	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,454.14	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,719.50	
		For Aluminum, Mill Finish, Add	.....	430.42	
		For Aluminum, Anodized Finish, Add	.....	1,204.42	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	3,675.79	575.46
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	315.61	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	631.22	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,641.16	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,156.08	
		For Aluminum, Mill Finish, Add	.....	287.83	
		For Aluminum, Anodized Finish, Add	.....	805.43	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	4,566.80	748.10
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	383.83	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	767.65	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,995.89	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,838.25	
		For Aluminum, Mill Finish, Add	.....	350.05	
		For Aluminum, Anodized Finish, Add	.....	979.52	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,564.65	920.74
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	465.40	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	930.79	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,420.06	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,653.96	
		For Aluminum, Mill Finish, Add	.....	424.44	
		For Aluminum, Anodized Finish, Add	.....	1,187.69	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	6,498.40	1,093.38
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	538.96	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,077.91	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,802.57	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,389.55	
		For Aluminum, Mill Finish, Add	.....	491.53	
		For Aluminum, Anodized Finish, Add	.....	1,375.41	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,890.99	1,323.56
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	655.48	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,310.97	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,408.52	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,554.84	
		For Aluminum, Mill Finish, Add	.....	597.80	
		For Aluminum, Anodized Finish, Add	.....	1,672.79	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	4,335.69	748.10
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	354.94	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	709.87	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,845.67	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,549.36	
		For Aluminum, Mill Finish, Add	.....	323.70	
		For Aluminum, Anodized Finish, Add	.....	905.80	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,380.14	920.74
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	442.33	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	884.67	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,300.13	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,423.33	
		For Aluminum, Mill Finish, Add	.....	403.41	
		For Aluminum, Anodized Finish, Add	.....	1,128.83	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	6,529.98	1,150.93
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	528.52	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,057.03	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,748.28	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,285.16	
		For Aluminum, Mill Finish, Add	.....	482.01	
		For Aluminum, Anodized Finish, Add	.....	1,348.77	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,712.30	1,323.56
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	633.15	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,266.30	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,292.37	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,331.48	
		For Aluminum, Mill Finish, Add	.....	577.43	
		For Aluminum, Anodized Finish, Add	.....	1,615.79	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,863.58	1,496.20
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	733.90	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,467.80	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,816.27	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	7,338.98	
		For Aluminum, Mill Finish, Add	.....	669.31	
		For Aluminum, Anodized Finish, Add	.....	1,872.91	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,180.10	920.74
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	417.33	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	834.66	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,170.10	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,173.28	
		For Aluminum, Mill Finish, Add	.....	380.60	
		For Aluminum, Anodized Finish, Add	.....	1,065.02	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0077 EA 16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,685.35	1,150.93
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	547.94	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,095.88	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,849.28	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,479.38	
For Aluminum, Mill Finish, Add	499.72	
For Aluminum, Anodized Finish, Add	1,398.34	
08 36 13 00-0078 EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,817.19	1,323.56
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	646.26	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,292.52	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,360.55	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,462.59	
For Aluminum, Mill Finish, Add	589.39	
For Aluminum, Anodized Finish, Add	1,649.25	
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,956.79	1,496.20
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	745.55	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,491.10	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,876.85	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,455.49	
For Aluminum, Mill Finish, Add	679.94	
For Aluminum, Anodized Finish, Add	1,902.64	
08 36 13 00-0080 EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,613.56	1,726.39
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	895.10	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,790.19	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,654.49	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	8,950.95	
For Aluminum, Mill Finish, Add	816.33	
For Aluminum, Anodized Finish, Add	2,284.28	
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,931.78	1,150.93
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	453.74	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	907.48	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,359.45	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,537.41	
For Aluminum, Mill Finish, Add	413.81	
For Aluminum, Anodized Finish, Add	1,157.95	
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,403.50	1,323.56
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	594.55	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,189.10	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,091.65	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,945.48	
For Aluminum, Mill Finish, Add	542.23	
For Aluminum, Anodized Finish, Add	1,517.29	
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,614.97	1,496.20
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	702.82	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,405.64	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,654.67	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,028.21	
For Aluminum, Mill Finish, Add	640.97	
For Aluminum, Anodized Finish, Add	1,793.60	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,811.66	1,726.39
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	919.86	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,839.72	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,783.26	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,198.58	
For Aluminum, Mill Finish, Add	838.91	
For Aluminum, Anodized Finish, Add	2,347.48	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,813.89	1,956.57
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	987.59	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,975.18	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,135.47	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,875.90	
For Aluminum, Mill Finish, Add	900.68	
For Aluminum, Anodized Finish, Add	2,520.33	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,366.59	1,323.56
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	589.93	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,179.87	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,067.66	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,899.34	
For Aluminum, Mill Finish, Add	538.02	
For Aluminum, Anodized Finish, Add	1,505.51	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,700.45	1,496.20
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	713.51	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,427.01	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,710.23	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,135.06	
For Aluminum, Mill Finish, Add	650.72	
For Aluminum, Anodized Finish, Add	1,820.87	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,209.79	1,726.39
For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	969.62	
For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,939.25	
For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,042.04	
For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,696.24	
For Aluminum, Mill Finish, Add	884.30	
For Aluminum, Anodized Finish, Add	2,474.48	



Openings			08	08
Specialty Doors and Frames			08 30	
Panel Doors			08 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	12,169.30	1,956.57
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,032.02	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,064.03	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,366.48	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	10,320.16	
		For Aluminum, Mill Finish, Add	.....	941.20	
		For Aluminum, Anodized Finish, Add	.....	2,633.71	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	14,177.58	2,186.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,225.50	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,451.01	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,372.62	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	12,255.04	
		For Aluminum, Mill Finish, Add	.....	1,117.66	
		For Aluminum, Anodized Finish, Add	.....	3,127.49	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,061.46	1,496.20
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	633.63	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,267.27	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,294.89	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,336.33	
		For Aluminum, Mill Finish, Add	.....	577.87	
		For Aluminum, Anodized Finish, Add	.....	1,617.03	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	10,025.10	1,726.39
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	821.54	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,643.08	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,272.00	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,215.38	
		For Aluminum, Mill Finish, Add	.....	749.24	
		For Aluminum, Anodized Finish, Add	.....	2,096.56	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,955.68	1,956.57
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,005.31	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,010.63	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,227.63	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	10,053.14	
		For Aluminum, Mill Finish, Add	.....	916.85	
		For Aluminum, Anodized Finish, Add	.....	2,565.56	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	13,441.50	2,186.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,133.49	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,266.99	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,894.17	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	11,334.94	
		For Aluminum, Mill Finish, Add	.....	1,033.75	
		For Aluminum, Anodized Finish, Add	.....	2,892.68	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	15,372.03	2,416.95
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,317.27	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,634.54	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,849.80	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	13,172.70	
		For Aluminum, Mill Finish, Add	.....	1,201.35	
		For Aluminum, Anodized Finish, Add	.....	3,361.67	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,951.07	1,726.39
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	687.28	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,374.57	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,573.88	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,872.84	
		For Aluminum, Mill Finish, Add	.....	626.80	
		For Aluminum, Anodized Finish, Add	.....	1,753.95	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,130.27	1,956.57
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	902.14	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,804.28	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,691.12	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	9,021.38	
		For Aluminum, Mill Finish, Add	.....	822.75	
		For Aluminum, Anodized Finish, Add	.....	2,302.25	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	12,950.16	2,186.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,072.08	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,144.15	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,574.80	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	10,720.76	
		For Aluminum, Mill Finish, Add	.....	977.73	
		For Aluminum, Anodized Finish, Add	.....	2,735.94	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	14,884.57	2,416.95
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,256.34	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,512.68	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,532.96	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	12,563.38	
		For Aluminum, Mill Finish, Add	.....	1,145.78	
		For Aluminum, Anodized Finish, Add	.....	3,206.17	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	16,786.01	2,647.13
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,436.47	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,872.94	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	7,469.65	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	14,364.71	
		For Aluminum, Mill Finish, Add	.....	1,310.06	
		For Aluminum, Anodized Finish, Add	.....	3,665.87	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,171.38	230.19
For Aluminum And Fiberglass, Add	184.74	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	315.84	
08 36 13 00-0103 EA 9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,278.32	230.19
For Aluminum And Fiberglass, Add	217.89	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	372.52	
08 36 13 00-0104 EA 16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,642.42	263.33
For Aluminum And Fiberglass, Add	305.51	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	522.32	
08 36 13 00-0105 EA 16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,810.47	263.33
For Aluminum And Fiberglass, Add	357.60	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	611.38	
08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107 SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	16.40	
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111 EA 8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,079.27	402.82
08 36 13 00-0112 EA 8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,456.10	460.37
08 36 13 00-0113 EA 8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,927.17	575.46
08 36 13 00-0114 EA 10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,430.96	460.37
08 36 13 00-0115 EA 10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,879.02	517.92
08 36 13 00-0116 EA 10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,640.11	719.33
08 36 13 00-0117 EA 10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,404.70	920.74
08 36 13 00-0118 EA 12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,891.56	575.46
08 36 13 00-0119 EA 12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,625.44	719.33
08 36 13 00-0120 EA 12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,350.60	863.20
08 36 13 00-0121 EA 12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,362.09	1,150.93
08 36 13 00-0122 EA 12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,263.54	1,381.11
08 36 13 00-0123 EA 14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,582.08	805.65
08 36 13 00-0124 EA 14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,316.73	920.74
08 36 13 00-0125 EA 14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,286.68	1,150.93
08 36 13 00-0126 EA 14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,255.17	1,381.11
08 36 13 00-0127 EA 14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,995.88	1,496.20
08 36 13 00-0128 EA 16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,071.66	920.74
08 36 13 00-0129 EA 16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,855.25	1,035.83
08 36 13 00-0130 EA 16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,882.15	1,266.02
08 36 13 00-0131 EA 16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,897.44	1,496.20
08 36 13 00-0132 EA 16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,683.61	1,611.29
08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134 EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,499.53	402.82
08 36 13 00-0135 EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,962.76	460.37
08 36 13 00-0136 EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,513.33	575.46
08 36 13 00-0137 EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,929.33	460.37
08 36 13 00-0138 EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,487.29	517.92
08 36 13 00-0139 EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,366.58	719.33
08 36 13 00-0140 EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,250.76	920.74
08 36 13 00-0141 EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,465.97	575.46
08 36 13 00-0142 EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,347.08	719.33
08 36 13 00-0143 EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,216.70	863.20
08 36 13 00-0144 EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,371.97	1,150.93
08 36 13 00-0145 EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,419.27	1,381.11
08 36 13 00-0146 EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,232.52	805.65
08 36 13 00-0147 EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,133.76	920.74
08 36 13 00-0148 EA 14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,271.68	1,150.93
08 36 13 00-0149 EA 14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,408.13	1,381.11
08 36 13 00-0150 EA 14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,317.50	1,496.20
08 36 13 00-0151 EA 16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,807.81	920.74
08 36 13 00-0152 EA 16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,773.89	1,035.83
08 36 13 00-0153 EA 16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,987.42	1,266.02
08 36 13 00-0154 EA 16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,186.57	1,496.20
08 36 13 00-0155 EA 16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,155.92	1,611.29



Openings			08	08
Specialty Doors and Frames			08 30	
Panel Doors			08 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 36 13 00-0156			Sectional Overhead Door Accessories (08 36 13)		
08 36 13 00-0157			Sectional Overhead Door Accessories (08 36 13 00-0156)		
08 36 13 00-0158	LF		Flap Seal For Sectional Overhead Doors	3.92	1.44
08 36 13 00-0159	LF		Weather Seal At Top Of Door For Sectional Overhead Doors.....	5.52	1.80
08 36 13 00-0160	LF		Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.31	1.44
08 36 13 00-0161	EA		Cylinder Lock For Sectional Overhead Doors.....	314.35	71.93
08 36 13 00-0162	EA		Manual Chain Hoist For Sectional Overhead Doors	707.61	143.86
08 36 13 00-0163	EA		3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,737.97	230.19
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA		1/2 HP Trolley Operator For Sectional Overhead Doors.....	1,326.55	230.19
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA		3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,729.57	230.19
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
			For Door Height >12', Add	10.00	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF		Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	32.05	
			Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF		>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	19.99	
			Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF		Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	20.17	
			Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF		>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	13.75	
			Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF		Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	50.94	
			Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF		>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	34.38	
			Note: Additional cost for factory supplied.		
08 36 13 00-0172	SF		Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors	68.77	
			Note: Additional cost for factory supplied.		
08 36 13 00-0173	SF		>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors.....	46.42	
			Note: Additional cost for factory supplied.		
08 36 13 00-0174	EA		Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	671.21	115.09
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	EA		Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	1,047.28	173.87
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0176	EA		Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	1,537.64	289.78
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0177	SF		25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.13	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0178	SF		50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.74	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0179	SF		100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	3.62	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001			Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)		
08 38 13 00-0002	SF		8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	21.85	6.91
			For Cooler/Freezer Doors, USDA Grade, Add	0.69	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	1.45	
08 38 13 00-0003	SF		8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	30.43	9.21
			For Cooler/Freezer Doors, USDA Grade, Add	0.97	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	2.04	
08 38 13 00-0004	SF		12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	19.04	5.76
			For Cooler/Freezer Doors, USDA Grade, Add	0.87	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	1.82	
08 38 13 00-0005	SF		12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	24.71	6.33
			For Cooler/Freezer Doors, USDA Grade, Add	1.09	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	2.29	
08 38 13 00-0006	SF		16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	20.24	5.76
			For Cooler/Freezer Doors, USDA Grade, Add	1.10	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	2.32	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008	EA		8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	68.89	32.46
			For Cooler/Freezer Doors, USDA Grade, Add	1.60	
			Note: Low temperature to -40 degree F.		
			For Ribbed Strip Material, Add	3.35	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	71.13 1.82 3.82	32.46
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	102.88 3.73 7.83	40.17
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	110.45 4.49 9.42	40.17
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	117.56 5.20 10.91	40.17
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	203.71 12.17 25.56	40.97
08 38 16 Flexible Traffic Doors (08 38)				
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.				
08 38 16 00-0001		0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,259.02	115.09
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,035.13	115.09
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	21,203.65	132.35
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,808.09	143.86
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	37,239.36	143.86
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	38,976.87	143.86
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,346.16	172.64
08 38 16 00-0011		Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,339.48	115.09
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,203.77	115.09
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,183.47	132.35
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	27,770.23	143.86
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	41,783.39	143.86
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,550.81	143.86
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	48,434.80	172.64
08 38 16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,620.03	63.30
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,914.30	63.30
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,914.30	63.30
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,997.29	63.30
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,205.52	109.34
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,794.05	109.34
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,794.05	109.34
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,960.05	109.34
08 38 19			Rigid Traffic Doors (08 38)		
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.					
08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) (08 38 19)		
Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.					
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,696.00	63.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,831.81	63.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,890.39	66.18
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,973.39	66.18
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,062.16	69.05
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,243.25	69.05
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,313.30	77.69
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,929.90	63.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,035.53	63.30
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,101.65	66.18
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,162.02	66.18
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,371.52		69.05
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,416.79		69.05
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,479.29		77.69
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)			
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,357.46		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,629.08		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,734.72		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,900.71		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,078.26		115.09
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,440.43		115.09
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,546.06		115.09
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,825.26		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,036.53		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,157.25		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,277.97		109.34
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		



		Openings	08	08
		Specialty Doors and Frames	08 30	
		Traffic Doors	08 38	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 38 19 00-0033	EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,696.97		115.09
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0034	EA 80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,787.51		115.09
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0035	EA 84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,878.05		115.09
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0036	3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) (08 38 19)			
	Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.			
08 38 19 00-0037	Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)			
08 38 19 00-0038	84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)			
08 38 19 00-0039	EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,084.32		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0040	EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,438.95		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0041	EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,588.07		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0042	EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,738.97		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0043	EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,790.02		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0044	EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,099.38		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0045	EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,395.78		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0046	EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,448.60		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0047	96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)			
08 38 19 00-0048	EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,386.13		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0049	EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,755.85		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0050	EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,904.97		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0051	EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,093.60		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0052	EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,235.19		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0053	EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,537.00		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0054	EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,674.95		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0055	EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,863.58		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0056	Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)			
08 38 19 00-0057	84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)			
08 38 19 00-0058	EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,134.10		109.34
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,843.35	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,130.07	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,431.88	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,533.97	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,152.68	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,711.03	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,816.66	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)				
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,737.72	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,477.15	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,763.87	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,141.13	109.34
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,424.31	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	9,027.93	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	9,269.38	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	9,646.64	115.09
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) (08 38 19)				
Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.				
08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)				
08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)				
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,166.42	63.30
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,749.09	63.30
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,910.23	66.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,968.49	66.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	5,032.54	69.05
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	5,576.36	69.05
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	6,040.30	77.69
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	6,108.28	77.69
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
08 38 19 00-0086	96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)			
08 38 19 00-0087	EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,292.66 6.00 19.00		63.30
08 38 19 00-0088	EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,011.29 6.00 19.00		63.30
08 38 19 00-0089	EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,182.14 6.00 19.00		66.18
08 38 19 00-0090	EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,259.83 6.00 19.00		66.18
08 38 19 00-0091	EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,285.03 6.00 19.00		69.05
08 38 19 00-0092	EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,683.19 6.00 19.00		69.05
08 38 19 00-0093	EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,137.42 6.00 19.00		77.69
08 38 19 00-0094	EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,215.11 6.00 19.00		77.69
08 38 19 00-0095	Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)			
08 38 19 00-0096	84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)			
08 38 19 00-0097	EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,298.30 6.00 19.00		109.34
08 38 19 00-0098	EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,463.64 6.00 19.00		109.34
08 38 19 00-0099	EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,774.39 6.00 19.00		109.34
08 38 19 00-0100	EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,890.93 6.00 19.00		109.34
08 38 19 00-0101	EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,019.01 6.00 19.00		115.09
08 38 19 00-0102	EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,106.66 6.00 19.00		115.09
08 38 19 00-0103	EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,000.08 6.00 19.00		115.09
08 38 19 00-0104	EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,136.04 6.00 19.00		115.09
08 38 19 00-0105	96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)			
08 38 19 00-0106	EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,550.79 6.00 19.00		109.34
08 38 19 00-0107	EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,988.04 6.00 19.00		109.34
08 38 19 00-0108	EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,318.22 6.00 19.00		109.34
08 38 19 00-0109	EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,473.59 6.00 19.00		109.34
08 38 19 00-0110	EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,523.99 6.00 19.00		115.09
08 38 19 00-0111	EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,320.30 6.00 19.00		115.09

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,194.30 6.00 19.00	115.09
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,349.68 6.00 19.00	115.09
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) (08 38 19) Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,170.83 22.00 28.00 41.00	63.30
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,570.73 22.00 28.00 41.00	63.30
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,682.12 22.00 28.00 41.00	66.18
08 38 19 00-0120	EA		32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,780.21 22.00 28.00 41.00	66.18
08 38 19 00-0121	EA		36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,951.99 22.00 28.00 41.00	69.05
08 38 19 00-0122	EA		40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,140.62 22.00 28.00 41.00	69.05
08 38 19 00-0123	EA		42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,308.75 22.00 28.00 41.00	77.69
08 38 19 00-0124	EA		44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,437.02 22.00 28.00 41.00	77.69
08 38 19 00-0125			96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,510.37 22.00 28.00 41.00	63.30
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,932.90 22.00 28.00 41.00	63.30
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,051.84 22.00 28.00 41.00	66.18
08 38 19 00-0129	EA		32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,104.66 22.00 28.00 41.00	66.18
08 38 19 00-0130	EA		36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,261.34 22.00 28.00 41.00	69.05
08 38 19 00-0131	EA		40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,510.33 22.00 28.00 41.00	69.05
08 38 19 00-0132	EA		42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,648.29 22.00 28.00 41.00	77.69



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 38 19 00-0133	EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,776.56 22.00 28.00 41.00		77.69
08 38 19 00-0134	Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)			
08 38 19 00-0135	84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)			
08 38 19 00-0136	EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,307.13 22.00 28.00 41.00		109.34
08 38 19 00-0137	EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,106.92 22.00 28.00 41.00		109.34
08 38 19 00-0138	EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,318.19 22.00 28.00 41.00		109.34
08 38 19 00-0139	EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,514.36 22.00 28.00 41.00		109.34
08 38 19 00-0140	EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,857.90 22.00 28.00 41.00		115.09
08 38 19 00-0141	EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,235.17 22.00 28.00 41.00		115.09
08 38 19 00-0142	EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,536.97 22.00 28.00 41.00		115.09
08 38 19 00-0143	EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,793.51 22.00 28.00 41.00		115.09
08 38 19 00-0144	96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)			
08 38 19 00-0145	EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,986.20 22.00 28.00 41.00		109.34
08 38 19 00-0146	EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,831.26 22.00 28.00 41.00		109.34
08 38 19 00-0147	EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,057.62 22.00 28.00 41.00		109.34
08 38 19 00-0148	EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,163.25 22.00 28.00 41.00		109.34
08 38 19 00-0149	EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,476.61 22.00 28.00 41.00		115.09
08 38 19 00-0150	EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,974.60 22.00 28.00 41.00		115.09
08 38 19 00-0151	EA 84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,216.04 22.00 28.00 41.00		115.09
08 38 19 00-0152	EA 88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,472.58 22.00 28.00 41.00		115.09
08 38 19 00-0153	1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.			

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 38 19 00-0154	Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)			
08 38 19 00-0155	84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)			
08 38 19 00-0156	EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,095.38		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0157	EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,314.19		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0158	EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,516.13		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0159	EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,644.40		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0160	EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,967.08		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0161	EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,223.61		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0162	EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,444.57		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0163	EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,686.01		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0164	90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)			
08 38 19 00-0165	EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,246.29		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0166	EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,510.37		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0167	EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,644.40		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0168	EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,825.48		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0169	EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,170.80		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0170	EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,480.15		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0171	EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,686.01		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0172	EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,912.37		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0173	96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)			
08 38 19 00-0174	EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,631.09		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0175	EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,683.91		63.30
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0176	EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,908.48		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0177	EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,074.48		66.18
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0178	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,427.34		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0179	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,797.05		69.05
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		
08 38 19 00-0180	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,987.82		77.69
	For Each 15" x 20" Window, Add	6.00		
	For Each 18" x 30" Window, Add	19.00		



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 38 19 00-0181	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,214.18 6.00 19.00		77.69
08 38 19 00-0182	Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)			
08 38 19 00-0183	84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)			
08 38 19 00-0184	EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,156.22 6.00 19.00		109.34
08 38 19 00-0185	EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,593.85 6.00 19.00		109.34
08 38 19 00-0186	EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,986.20 6.00 19.00		109.34
08 38 19 00-0187	EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,242.74 6.00 19.00		109.34
08 38 19 00-0188	EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,888.08 6.00 19.00		115.09
08 38 19 00-0189	EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,401.16 6.00 19.00		115.09
08 38 19 00-0190	EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,808.60 6.00 19.00		115.09
08 38 19 00-0191	EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,291.50 6.00 19.00		115.09
08 38 19 00-0192	90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)			
08 38 19 00-0193	EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,458.03 6.00 19.00		109.34
08 38 19 00-0194	EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,986.20 6.00 19.00		109.34
08 38 19 00-0195	EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,242.74 6.00 19.00		109.34
08 38 19 00-0196	EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,604.91 6.00 19.00		109.34
08 38 19 00-0197	EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,295.53 6.00 19.00		115.09
08 38 19 00-0198	EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,914.24 6.00 19.00		115.09
08 38 19 00-0199	EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,291.50 6.00 19.00		115.09
08 38 19 00-0200	EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,744.21 6.00 19.00		115.09
08 38 19 00-0201	96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)			
08 38 19 00-0202	EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,227.64 6.00 19.00		109.34
08 38 19 00-0203	EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,333.28 6.00 19.00		109.34
08 38 19 00-0204	EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,770.90 6.00 19.00		109.34
08 38 19 00-0205	EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,102.89 6.00 19.00		109.34
08 38 19 00-0206	EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,808.60 6.00 19.00		115.09
08 38 19 00-0207	EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,548.03 6.00 19.00		115.09

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0208 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,895.12 6.00 19.00	115.09
08 38 19 00-0209 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,347.83 6.00 19.00	115.09
08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10)^(08 38 19 00-0210) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors^(08 38 19 00-0210)		
08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors^(08 38 19 00-0211)		
08 38 19 00-0213 EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,095.38 6.00 19.00	63.30
08 38 19 00-0214 EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,314.19 6.00 19.00	63.30
08 38 19 00-0215 EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,516.13 6.00 19.00	66.18
08 38 19 00-0216 EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,644.40 6.00 19.00	66.18
08 38 19 00-0217 EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,967.08 6.00 19.00	69.05
08 38 19 00-0218 EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,223.61 6.00 19.00	69.05
08 38 19 00-0219 EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,444.57 6.00 19.00	77.69
08 38 19 00-0220 EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,686.01 6.00 19.00	77.69
08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors^(08 38 19 00-0211)		
08 38 19 00-0222 EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,246.29 6.00 19.00	63.30
08 38 19 00-0223 EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,510.37 6.00 19.00	63.30
08 38 19 00-0224 EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,644.40 6.00 19.00	66.18
08 38 19 00-0225 EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,825.48 6.00 19.00	66.18
08 38 19 00-0226 EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,170.80 6.00 19.00	69.05
08 38 19 00-0227 EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,480.15 6.00 19.00	69.05
08 38 19 00-0228 EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,686.01 6.00 19.00	77.69
08 38 19 00-0229 EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,912.37 6.00 19.00	77.69
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors^(08 38 19 00-0211)		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,631.09 6.00 19.00	63.30
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,683.91 6.00 19.00	63.30
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,908.48 6.00 19.00	66.18



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,074.48 6.00 19.00	66.18
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,427.34 6.00 19.00	69.05
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,797.05 6.00 19.00	69.05
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,987.82 6.00 19.00	77.69
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,214.18 6.00 19.00	77.69
08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)		
08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,156.22 6.00 19.00	109.34
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,593.85 6.00 19.00	109.34
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,986.20 6.00 19.00	109.34
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,242.74 6.00 19.00	109.34
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,888.08 6.00 19.00	115.09
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,401.16 6.00 19.00	115.09
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,808.60 6.00 19.00	115.09
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,291.50 6.00 19.00	115.09
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,458.03 6.00 19.00	109.34
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,986.20 6.00 19.00	109.34
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,242.74 6.00 19.00	109.34
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,604.91 6.00 19.00	109.34
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,295.53 6.00 19.00	115.09
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,914.24 6.00 19.00	115.09
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,291.50 6.00 19.00	115.09
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,744.21 6.00 19.00	115.09
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,227.64 6.00 19.00	109.34
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,333.28 6.00 19.00	109.34

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0261 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,770.90 6.00 19.00	109.34
08 38 19 00-0262 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,102.89 6.00 19.00	109.34
08 38 19 00-0263 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,808.60 6.00 19.00	115.09
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,548.03 6.00 19.00	115.09
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,895.12 6.00 19.00	115.09
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	12,347.83 6.00 19.00	115.09
08 38 19 00-0267 Rigid Impact Traffic Door Accessories (08 38 19)		
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	325.21	46.04
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	362.94	46.04
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	393.12	46.04
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	445.94	46.04
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	936.38	46.04
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,253.28	46.04
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,864.44	46.04
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	2,158.70	46.04
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,460.51	46.04
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	393.12	46.04
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	423.30	46.04
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	461.03	46.04
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	513.84	46.04
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	544.03	46.04
08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	544.03	46.04
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	679.84	46.04
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	755.29	46.04
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	860.92	46.04
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	928.83	46.04
08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	679.84	46.04
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	800.56	46.04
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	891.11	46.04
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	1,057.10	46.04
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	1,170.28	46.04
08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	755.29	46.04
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	891.11	46.04
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,042.01	46.04
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,125.01	46.04
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,253.28	46.04
08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	928.83	46.04
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,170.28	46.04
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,253.28	46.04
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,411.73	46.04
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,585.27	46.04



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two base plates per set.		
08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	378.03	46.04
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	408.21	46.04
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	423.30	46.04
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	491.21	46.04
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	521.39	46.04
08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	491.21	46.04
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	536.48	46.04
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	581.75	46.04
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	619.48	46.04
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	679.84	46.04
08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	566.66	46.04
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	604.39	46.04
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	694.93	46.04
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	793.02	46.04
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	838.29	46.04
08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	604.39	46.04
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	679.84	46.04
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	793.02	46.04
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	883.56	46.04
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	936.38	46.04
08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	777.93	46.04
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	883.56	46.04
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,026.92	46.04
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,094.83	46.04
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,185.37	46.04
08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	513.84	46.04
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	544.03	46.04
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	634.57	46.04
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	679.84	46.04
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	808.11	46.04
08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	725.11	46.04
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	860.92	46.04
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	996.74	46.04
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,162.73	46.04
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,313.64	46.04
08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	830.74	46.04
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,011.83	46.04
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,177.82	46.04
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,351.36	46.04
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,555.09	46.04
08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	966.56	46.04
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,162.73	46.04
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,389.09	46.04
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,607.90	46.04

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,796.53	46.04
08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,208.01	46.04
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,675.81	46.04
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,796.53	46.04
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,158.70	46.04
08 38 19 00-0372 SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,369.97	46.04
08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375 SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	453.48	46.04
08 38 19 00-0376 SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	491.21	46.04
08 38 19 00-0377 SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	536.48	46.04
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	589.30	46.04
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	672.29	46.04
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	619.48	46.04
08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	710.02	46.04
08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	800.56	46.04
08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	898.65	46.04
08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,011.83	46.04
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	710.02	46.04
08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	823.20	46.04
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	951.47	46.04
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,109.92	46.04
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,215.55	46.04
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	800.56	46.04
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	951.47	46.04
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,109.92	46.04
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,268.37	46.04
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,381.55	46.04
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,011.83	46.04
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,245.73	46.04
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,381.55	46.04
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,653.17	46.04
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,728.63	46.04
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	623.43	57.54
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	849.79	57.54
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	1,679.76	57.54
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors	149.49	28.77
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors	202.31	28.77
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	526.76	28.77
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	662.57	28.77
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors	255.13	28.77
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		



		Openings	08
		Specialty Doors and Frames	08 30
		Traffic Doors	08 38

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0417	EA		24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,520.29	86.32
08 38 19 00-0418	EA		28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,794.24	94.95
08 38 19 00-0419	EA		30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,831.39	100.70
08 38 19 00-0420	EA		32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,871.09	109.34
08 38 19 00-0421	EA		36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,911.49	115.09
08 38 19 00-0422	EA		40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,992.18	120.85
08 38 19 00-0423	EA		42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,050.02	126.61
08 38 19 00-0424	EA		44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,086.88	132.35
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)					
08 38 19 00-0425	EA		24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,553.95	86.32
08 38 19 00-0427	EA		28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,834.31	94.95
08 38 19 00-0428	EA		30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,872.16	100.70
08 38 19 00-0429	EA		32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,912.40	109.34
08 38 19 00-0430	EA		36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,953.52	115.09
08 38 19 00-0431	EA		40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,035.95	120.85
08 38 19 00-0432	EA		42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,094.92	126.61
08 38 19 00-0433	EA		44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,132.46	132.35
08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)					
08 38 19 00-0435	EA		24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,598.69	86.32
08 38 19 00-0436	EA		28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,887.58	94.95
08 38 19 00-0437	EA		30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,926.26	100.70
08 38 19 00-0438	EA		32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,954.01	109.34
08 38 19 00-0439	EA		36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,009.36	115.09
08 38 19 00-0440	EA		40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,079.71	120.85
08 38 19 00-0441	EA		42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,154.60	126.61
08 38 19 00-0442	EA		44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,196.29	129.47
08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)					
08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)					
08 38 19 00-0445	EA		48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,125.74	132.35
08 38 19 00-0446	EA		56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,158.32	134.66
08 38 19 00-0447	EA		60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,201.40	138.11
08 38 19 00-0448	EA		64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,256.28	143.86
08 38 19 00-0449	EA		72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,288.54	149.62
08 38 19 00-0450	EA		80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,369.31	150.77
08 38 19 00-0451	EA		84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,422.68	152.50
08 38 19 00-0452	EA		88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,486.27	155.38
08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)					
08 38 19 00-0454	EA		48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,172.22	132.35
08 38 19 00-0455	EA		56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,205.48	134.66
08 38 19 00-0456	EA		60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,249.53	138.11
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,305.48	143.86
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,338.34	149.62
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,421.00	150.77
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,475.61	152.50
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,540.67	155.38
08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)					
08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,226.47	132.35
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,252.56	134.66
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,313.44	138.11
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,354.67	143.86
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,404.36	149.62
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,497.20	150.77
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,545.93	152.50
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,598.18	155.38

08 40 Entrances, Storefronts, and Curtain Walls (08)

08 42 Entrances (08 40)

08 42 13 Aluminum-Framed Entrances (08 42)

08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2105 for exit device, 08 71 11 00-2256 for closer.

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	3,969.96	763.96
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	313.53	
			For Black Finish, Add	900.48	
			For 8' High Door, Add	324.83	
			For 10' High Door, Add	706.15	
			For 1" Insulated Glazing, Add	164.44	
08 42 13 00-0003	EA		3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	4,102.79	839.55
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	315.56	
			For Black Finish, Add	906.31	
			For 8' High Door, Add	326.93	
			For 10' High Door, Add	710.72	
			For 1" Insulated Glazing, Add	164.44	
08 42 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	6,608.74	1,145.71
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	543.25	
			For Black Finish, Add	1,560.25	
			For 8' High Door, Add	562.82	
			For 10' High Door, Add	1,223.53	
			For 1" Insulated Glazing, Add	328.89	
08 42 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	7,673.03	1,248.45
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	643.21	
			For Black Finish, Add	1,847.33	
			For 8' High Door, Add	666.38	
			For 10' High Door, Add	1,448.66	
			For 1" Insulated Glazing, Add	328.89	
08 42 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	4,354.33	763.96
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	356.19	
			For Black Finish, Add	1,023.02	
			For 8' High Door, Add	369.03	
			For 10' High Door, Add	802.24	
			For 1" Insulated Glazing, Add	164.44	
08 42 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	4,510.95	839.55
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	360.87	
			For Black Finish, Add	1,036.43	
			For 8' High Door, Add	373.87	
			For 10' High Door, Add	812.76	
			For 1" Insulated Glazing, Add	164.44	
08 42 13 00-0008	PR		6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	7,335.37	1,145.71
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	623.90	
			For Black Finish, Add	1,791.90	
			For 8' High Door, Add	646.39	
			For 10' High Door, Add	1,405.19	
			For 1" Insulated Glazing, Add	328.89	
08 42 13 00-0009	PR		7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	8,378.45	1,248.45
			Note: Including Glazing, Trim And Hardware		
			For Bronze Finish, Add	721.51	
			For Black Finish, Add	2,072.22	
			For 8' High Door, Add	747.51	
			For 10' High Door, Add	1,625.02	
			For 1" Insulated Glazing, Add	328.89	

08 42 26 All-Glass Entrances (08 42)**08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)**

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA		3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door.....	8,006.30	286.34
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,234.97	
			For Stainless Steel, Add	4,459.60	
			For 8' High Door, Add	789.01	
			For 10' High Door, Add	1,715.23	
			For 1" Insulated Glazing, Add	164.44	
08 42 26 00-0003	PR		6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	14,590.53	343.61
			Note: Including Trim And Hardware		
			For Anodized Color, Add	2,331.77	
			For Stainless Steel, Add	8,420.30	
			For 8' High Door, Add	1,489.74	
			For 10' High Door, Add	3,238.58	
			For 1" Insulated Glazing, Add	328.89	
08 42 26 00-0004	EA		3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	9,242.33	286.34
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,457.45	
			For Stainless Steel, Add	5,263.02	
			For 8' High Door, Add	931.15	
			For 10' High Door, Add	2,024.24	
			For 1" Insulated Glazing, Add	164.44	



		Openings	08
		Entrances, Storefronts, and Curtain Walls	08 40
		Entrances	08 42

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0005 PR 6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8") Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	17,251.79 2,810.80 10,150.11 1,795.79 3,903.89 328.89	343.61
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	10,473.52 1,679.07 6,063.30 1,072.74 2,332.04 164.44	286.34
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4") Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	19,908.71 3,289.05 11,877.11 2,101.34 4,568.12 328.89	343.61
08 42 26 00-0008 EA 3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	12,940.68 2,123.16 7,666.95 1,356.46 2,948.83 164.44	286.34
08 42 26 00-0009 PR 6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	25,226.85 4,246.31 15,333.90 2,712.92 5,897.66 328.89	343.61
08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	34.82	3.43
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	44.71	4.58
08 42 29 Automatic Entrances (08 42)		
08 42 29 23 Sliding Automatic Entrances (08 42 29)		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Single sliding.		
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,784.11 341.63 911.01	114.53
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,271.93 372.20 992.54	154.63
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,729.06 403.91 1,077.09	171.81
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,172.57 434.60 1,158.92	188.99
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,141.73 576.27 1,536.72	229.08
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,403.27 589.87 1,572.99	269.16
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	11,316.35 802.34 2,139.57	309.25
08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,487.04 668.58 1,782.87	286.34
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,400.41 732.78 1,954.09	314.97
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	11,313.78 796.99 2,125.31	343.61

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,750.13 975.42 2,601.13	372.24
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	16,186.51 1,153.86 3,076.95	400.76
08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,354.97 309.44 825.18	114.53
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,804.43 337.14 899.04	154.63
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,213.84 365.27 974.05	171.81
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,626.66 393.65 1,049.74	188.99
08 42 29 23-0022 EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,417.92 521.98 1,391.95	229.08
08 42 29 23-0023 EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,662.33 534.30 1,424.80	269.16
08 42 29 23-0024 EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,308.62 726.76 1,938.02	309.25
08 42 29 23-0025 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0026 EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,647.28 605.60 1,614.92	286.34
08 42 29 23-0027 EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,479.96 663.75 1,770.00	314.97
08 42 29 23-0028 EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,312.64 721.91 1,925.08	343.61
08 42 29 23-0029 EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	12,524.92 883.53 2,356.09	372.24
08 42 29 23-0030 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	14,737.22 1,045.16 2,787.09	400.76
08 42 29 23-0031 Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0032 2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Single sliding.		
08 42 29 23-0033 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,509.40 396.02 1,056.06	114.53
08 42 29 23-0034 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,062.19 431.47 1,150.59	154.63
08 42 29 23-0035 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,060.89 503.80 1,343.46	171.81
08 42 29 23-0036 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,118.13 580.51 1,548.03	188.99
08 42 29 23-0037 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,365.26 668.03 1,781.42	229.08
08 42 29 23-0038 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,655.62 683.80 1,823.46	269.16
08 42 29 23-0039 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,019.92 930.11 2,480.28	309.25
08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Bi-parting.		



		Openings	08
		Entrances, Storefronts, and Curtain Walls	08 40
		Entrances	08 42

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0041 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,906.56 775.04 2,066.78	286.34
08 42 29 23-0042 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	11,956.20 849.47 2,265.25	314.97
08 42 29 23-0043 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,005.84 923.90 2,463.72	343.61
08 42 29 23-0044 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	15,821.09 1,130.75 3,015.32	372.24
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	18,636.36 1,337.60 3,566.92	400.87
08 42 29 23-0046 Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	10,229.17	1,150.93
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	17,517.38	1,726.39
08 42 29 33 Swinging Automatic Entrances (08 42 29) Note: Excludes glazing.		
08 42 29 33-0001 Swing Door Operators, Up To 350 Lb. Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	4,817.83	687.63
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	8,261.22	916.89
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel.....	4,004.21	550.10
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel.....	7,182.53	825.16
08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	462.81	55.01
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	412.80	55.01
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38)..... Note: Includes wiring harness and relays.	416.79	55.01
08 42 29 33-0010 EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)..... Note: Excludes wiring from operator to push plate.	221.30	55.01
08 42 29 33-0011 EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)..... Note: Excludes wiring from operator to push button.	237.46	55.01
08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)..... Note: Excludes wiring from operator to push button.	153.95	55.01
08 42 29 33-0013 EA Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	748.49	137.53
08 42 29 33-0014 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	982.34	68.76
08 42 29 33-0015 EA Guard Rail For Door With Operator	285.21	68.76
08 42 33 Revolving Door Entrances (08 42)		
08 42 33 00-0001 Aluminum Revolving Doors (08 42 33) Note: Includes 3/4" tempered glass.		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	40,018.24 8,371.83 1,560.65	6,403.26
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	54,183.65 10,132.74 1,961.13	9,605.03
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	82,170.35 11,189.29 3,468.10	11,525.98
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	44,530.28 8,731.20 1,747.75	7,043.52
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	59,983.83 10,612.99 2,196.25	10,565.86
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	91,768.78 11,893.65 3,883.89	12,678.57

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0008	Stainless Steel Revolving Doors (08 42 33)				
	Note: Includes 3/4" tempered glass.				
08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	41,052.77	6,403.26	
		For Automatic Controls, Add	8,371.83		
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	55,483.67	9,605.03	
		For Automatic Controls, Add	10,132.74		
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	84,469.32	11,525.98	
		For Automatic Controls, Add	11,189.29		
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	45,691.61	7,043.52	
		For Automatic Controls, Add	8,731.20		
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	61,443.17	10,565.86	
		For Automatic Controls, Add	10,612.99		
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	94,349.51	12,678.57	
		For Automatic Controls, Add	11,893.65		
08 42 33 00-0015	Bronze Revolving Doors (08 42 33)				
	Note: Includes 3/4" tempered glass.				
08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	37,404.35	6,403.26	
		For Automatic Controls, Add	8,371.83		
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	50,899.00	9,605.03	
		For Automatic Controls, Add	10,132.74		
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	76,361.70	11,525.98	
		For Automatic Controls, Add	11,189.29		
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	41,605.37	7,043.52	
		For Automatic Controls, Add	8,731.20		
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	56,308.35	10,565.86	
		For Automatic Controls, Add	10,612.99		
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	85,268.98	12,678.57	
		For Automatic Controls, Add	11,893.65		
08 42 36	Balanced Door Entrances (08 42)				
08 42 36 00-0001	Balanced Doors, With Glass (08 42 36)				
	Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.				
08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	13,804.02	352.34	
		For Bronze Instead Of Stainless Steel, Deduct	-3,230.72		
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,292.29		
		For Tinted Glass, Add	646.14		
		For Aluminum, Painted Finish, Deduct	-3,876.87		
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	14,328.82	352.34	
		For Bronze Instead Of Stainless Steel, Deduct	-3,361.92		
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,344.77		
		For Tinted Glass, Add	672.38		
		For Aluminum, Painted Finish, Deduct	-4,034.31		
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	15,603.41	352.34	
		For Bronze Instead Of Stainless Steel, Deduct	-3,680.57		
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,472.23		
		For Tinted Glass, Add	736.11		
		For Aluminum, Painted Finish, Deduct	-4,416.68		
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	17,102.98	352.34	
		For Bronze Instead Of Stainless Steel, Deduct	-4,055.46		
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	1,622.19		
		For Tinted Glass, Add	811.09		
		For Aluminum, Painted Finish, Deduct	-4,866.56		
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	28,569.55	669.66	
		For Bronze Instead Of Stainless Steel, Deduct	-6,723.85		
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	2,689.54		
		For Tinted Glass, Add	1,344.77		
		For Aluminum, Painted Finish, Deduct	-8,068.62		
08 43	Storefronts (08 40)				
08 43 13	Aluminum-Framed Storefronts (08 43)				
08 43 13 00-0001	Aluminum Storefront Framing Assembly (08 43 13)				
	Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.				
08 43 13 00-0002	1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)				
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.25	8.41	
		For Various Color Class I Anodized Finish, Add	1.11		
		For Black Color Class I Anodized Finish, Add	3.33		
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.07	7.57	
		For Various Color Class I Anodized Finish, Add	1.00		
		For Black Color Class I Anodized Finish, Add	2.99		



		Openings	08
		Entrances, Storefronts, and Curtain Walls	08 40
		Storefronts	08 43

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	25.80 0.91 2.74	6.98
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	24.11 0.85 2.56	6.53
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	22.79 0.81 2.42	6.18
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	21.73 0.77 2.30	5.91
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	20.86 0.74 2.21	5.68
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	20.15 0.71 2.13	5.49
08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	40.76 1.45 4.35	11.00
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	35.96 1.28 3.83	9.74
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	32.67 1.16 3.47	8.82
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	30.12 1.07 3.20	8.14
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	28.13 0.99 2.98	7.56
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	26.49 0.94 2.81	7.22
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	25.25 0.89 2.67	6.87
08 43 13 00-0019 SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	24.15 0.85 2.55	6.53
08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021 SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	50.31 1.79 5.37	13.51
08 43 13 00-0022 SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	44.01 1.56 4.68	11.79
08 43 13 00-0023 SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	39.46 1.40 4.20	10.65
08 43 13 00-0024 SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	36.05 1.28 3.83	9.74
08 43 13 00-0025 SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	33.33 1.18 3.55	9.04

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.27	8.48
			For Various Color Class I Anodized Finish, Add	1.11	
			For Black Color Class I Anodized Finish, Add	3.32	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.56	8.02
			For Various Color Class I Anodized Finish, Add	1.04	
			For Black Color Class I Anodized Finish, Add	3.13	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.11	7.67
			For Various Color Class I Anodized Finish, Add	0.99	
			For Black Color Class I Anodized Finish, Add	2.98	
08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)					
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.					
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.18	8.82
			For Various Color Class I Anodized Finish, Add	1.13	
			For Black Color Class I Anodized Finish, Add	3.40	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.92	7.91
			For Various Color Class I Anodized Finish, Add	1.01	
			For Black Color Class I Anodized Finish, Add	3.04	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.46	7.33
			For Various Color Class I Anodized Finish, Add	0.93	
			For Black Color Class I Anodized Finish, Add	2.78	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.70	6.87
			For Various Color Class I Anodized Finish, Add	0.86	
			For Black Color Class I Anodized Finish, Add	2.59	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.29	6.41
			For Various Color Class I Anodized Finish, Add	0.81	
			For Black Color Class I Anodized Finish, Add	2.44	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.28	6.18
			For Various Color Class I Anodized Finish, Add	0.77	
			For Black Color Class I Anodized Finish, Add	2.32	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.27	5.95
			For Various Color Class I Anodized Finish, Add	0.74	
			For Black Color Class I Anodized Finish, Add	2.22	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.58	5.73
			For Various Color Class I Anodized Finish, Add	0.71	
			For Black Color Class I Anodized Finish, Add	2.14	
08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)					
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.					
08 43 13 00-0039	SF		5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.66	11.91
			For Various Color Class I Anodized Finish, Add	1.47	
			For Black Color Class I Anodized Finish, Add	4.42	
08 43 13 00-0040	SF		6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.53	10.53
			For Various Color Class I Anodized Finish, Add	1.30	
			For Black Color Class I Anodized Finish, Add	3.89	
08 43 13 00-0041	SF		7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.93	9.51
			For Various Color Class I Anodized Finish, Add	1.17	
			For Black Color Class I Anodized Finish, Add	3.51	
08 43 13 00-0042	SF		8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.20	8.82
			For Various Color Class I Anodized Finish, Add	1.08	
			For Black Color Class I Anodized Finish, Add	3.23	
08 43 13 00-0043	SF		9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.18	8.25
			For Various Color Class I Anodized Finish, Add	1.00	
			For Black Color Class I Anodized Finish, Add	3.00	
08 43 13 00-0044	SF		10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.39	7.78
			For Various Color Class I Anodized Finish, Add	0.94	
			For Black Color Class I Anodized Finish, Add	2.83	
08 43 13 00-0045	SF		11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.02	7.33
			For Various Color Class I Anodized Finish, Add	0.89	
			For Black Color Class I Anodized Finish, Add	2.68	
08 43 13 00-0046	SF		12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.89	6.99
			For Various Color Class I Anodized Finish, Add	0.85	
			For Black Color Class I Anodized Finish, Add	2.56	



		Openings	08
		Entrances, Storefronts, and Curtain Walls	08 40
		Storefronts	08 43

08

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 43 13 00-0047	2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0048	SF 5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	51.63		14.20	
	For Various Color Class I Anodized Finish, Add	1.81			
	For Black Color Class I Anodized Finish, Add	5.44			
08 43 13 00-0049	SF 6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	45.10		12.37	
	For Various Color Class I Anodized Finish, Add	1.58			
	For Black Color Class I Anodized Finish, Add	4.74			
08 43 13 00-0050	SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.38		11.11	
	For Various Color Class I Anodized Finish, Add	1.41			
	For Black Color Class I Anodized Finish, Add	4.24			
08 43 13 00-0051	SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.92		10.19	
	For Various Color Class I Anodized Finish, Add	1.29			
	For Black Color Class I Anodized Finish, Add	3.86			
08 43 13 00-0052	SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.16		9.40	
	For Various Color Class I Anodized Finish, Add	1.19			
	For Black Color Class I Anodized Finish, Add	3.57			
08 43 13 00-0053	SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.94		8.82	
	For Various Color Class I Anodized Finish, Add	1.11			
	For Black Color Class I Anodized Finish, Add	3.34			
08 43 13 00-0054	SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.19		8.36	
	For Various Color Class I Anodized Finish, Add	1.05			
	For Black Color Class I Anodized Finish, Add	3.15			
08 43 13 00-0055	SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.61		8.02	
	For Various Color Class I Anodized Finish, Add	1.00			
	For Black Color Class I Anodized Finish, Add	2.99			
08 43 13 00-0056	2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0057	SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.30		9.04	
	For Various Color Class I Anodized Finish, Add	1.60			
	For Black Color Class I Anodized Finish, Add	4.80			
08 43 13 00-0058	SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.24		8.14	
	For Various Color Class I Anodized Finish, Add	1.44			
	For Black Color Class I Anodized Finish, Add	4.32			
08 43 13 00-0059	SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.41		7.44	
	For Various Color Class I Anodized Finish, Add	1.32			
	For Black Color Class I Anodized Finish, Add	3.97			
08 43 13 00-0060	SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.28		6.99	
	For Various Color Class I Anodized Finish, Add	1.24			
	For Black Color Class I Anodized Finish, Add	3.71			
08 43 13 00-0061	SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.60		6.65	
	For Various Color Class I Anodized Finish, Add	1.17			
	For Black Color Class I Anodized Finish, Add	3.51			
08 43 13 00-0062	SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.24		6.30	
	For Various Color Class I Anodized Finish, Add	1.12			
	For Black Color Class I Anodized Finish, Add	3.35			
08 43 13 00-0063	SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.17		6.07	
	For Various Color Class I Anodized Finish, Add	1.07			
	For Black Color Class I Anodized Finish, Add	3.22			
08 43 13 00-0064	SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.21		5.84	
	For Various Color Class I Anodized Finish, Add	1.04			
	For Black Color Class I Anodized Finish, Add	3.11			
08 43 13 00-0065	2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0066	SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	53.16		12.15	
	For Various Color Class I Anodized Finish, Add	2.08			
	For Black Color Class I Anodized Finish, Add	6.25			
08 43 13 00-0067	SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.96		10.77	
	For Various Color Class I Anodized Finish, Add	1.84			
	For Black Color Class I Anodized Finish, Add	5.53			

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0068	SF		7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	42.60	9.74
			For Various Color Class I Anodized Finish, Add	1.67	
			For Black Color Class I Anodized Finish, Add	5.01	
08 43 13 00-0069	SF		8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.30	8.93
			For Various Color Class I Anodized Finish, Add	1.54	
			For Black Color Class I Anodized Finish, Add	4.62	
08 43 13 00-0070	SF		9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.70	8.36
			For Various Color Class I Anodized Finish, Add	1.44	
			For Black Color Class I Anodized Finish, Add	4.32	
08 43 13 00-0071	SF		10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.67	7.91
			For Various Color Class I Anodized Finish, Add	1.36	
			For Black Color Class I Anodized Finish, Add	4.08	
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.00	7.56
			For Various Color Class I Anodized Finish, Add	1.29	
			For Black Color Class I Anodized Finish, Add	3.88	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.52	7.22
			For Various Color Class I Anodized Finish, Add	1.24	
			For Black Color Class I Anodized Finish, Add	3.72	
08 43 13 00-0074			2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	64.20	14.20
			For Various Color Class I Anodized Finish, Add	2.57	
			For Black Color Class I Anodized Finish, Add	7.70	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	56.42	12.60
			For Various Color Class I Anodized Finish, Add	2.24	
			For Black Color Class I Anodized Finish, Add	6.73	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	50.65	11.34
			For Various Color Class I Anodized Finish, Add	2.01	
			For Black Color Class I Anodized Finish, Add	6.04	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	46.40	10.31
			For Various Color Class I Anodized Finish, Add	1.84	
			For Black Color Class I Anodized Finish, Add	5.53	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	43.01	9.62
			For Various Color Class I Anodized Finish, Add	1.71	
			For Black Color Class I Anodized Finish, Add	5.12	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.31	9.04
			For Various Color Class I Anodized Finish, Add	1.60	
			For Black Color Class I Anodized Finish, Add	4.80	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.05	8.48
			For Various Color Class I Anodized Finish, Add	1.51	
			For Black Color Class I Anodized Finish, Add	4.54	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.26	8.14
			For Various Color Class I Anodized Finish, Add	1.44	
			For Black Color Class I Anodized Finish, Add	4.32	
08 43 13 00-0083			Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	40.93	7.62
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	46.73	8.39
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	72.42	9.22

08 43 19 Stainless-Steel-Framed Storefronts (08 43)**08 43 19 00-0001 Stainless Steel Storefront Framing Assembly** (08 43 19)

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	55.59	5.73
			For 70% Fluoropolymer Exterior Finish (Durana®), Add	4.69	

08 44 Curtain Wall and Glazed Assemblies (08 40)**08 44 13 Glazed Aluminum Curtain Walls** (08 44)



Openings			08
Entrances, Storefronts, and Curtain Walls			08 40
Curtain Wall and Glazed Assemblies			08 44

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0001			Curtain Walls (08 44 13)		
08 44 13 00-0002			Coping Sections (08 44 13 00-0001)		
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	77.02	3.43
			For Bronze Anodized Aluminum, Add	8.54	
			For Stainless Steel, Add	35.16	
			For Black Anodized Finish, Add	15.37	
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	80.06	3.43
			For Bronze Anodized Aluminum, Add	9.00	
			For Stainless Steel, Add	36.99	
			For Black Anodized Finish, Add	16.19	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	96.21	4.58
			For Bronze Anodized Aluminum, Add	10.68	
			For Stainless Steel, Add	43.95	
			For Black Anodized Finish, Add	19.22	
08 44 13 00-0006			Sill Section (08 44 13 00-0001)		
08 44 13 00-0007	LF		Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	59.81	2.29
			For Bronze Anodized Aluminum, Add	6.85	
			For Stainless Steel, Add	28.11	
			For Black Anodized Finish, Add	12.33	
08 44 13 00-0008	LF		Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	64.69	2.29
			For Bronze Anodized Aluminum, Add	7.58	
			For Stainless Steel, Add	31.04	
			For Black Anodized Finish, Add	13.65	
08 44 13 00-0009	LF		Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	69.63	2.29
			For Bronze Anodized Aluminum, Add	8.32	
			For Stainless Steel, Add	34.00	
			For Black Anodized Finish, Add	14.98	
08 44 13 00-0010			Aluminum Column Covers (08 44 13 00-0001)		
			Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF		Aluminum Column Covers, 1/8" x 26", Shaped	156.63	5.73
			For Bronze Anodized Aluminum, Add	18.65	
			For Stainless Steel, Add	76.23	
			For Black Anodized Finish, Add	33.58	
08 44 13 00-0012	LF		Aluminum Column Covers, 1/8" x 34", Shaped	192.97	5.73
			For Bronze Anodized Aluminum, Add	23.62	
			For Stainless Steel, Add	96.98	
			For Black Anodized Finish, Add	42.87	
08 44 13 00-0013	LF		Aluminum Column Covers, 1/8" x 38", Shaped	207.05	5.73
			For Bronze Anodized Aluminum, Add	25.93	
			For Stainless Steel, Add	105.43	
			For Black Anodized Finish, Add	46.67	
08 44 13 00-0014			Spandrel Covers (08 44 13 00-0001)		
			Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015	SF		1" Spandrel Cover, Aluminum Both Faces	63.57	2.29
			For Bronze Anodized Aluminum, Add	8.09	
			For Stainless Steel, Add	32.85	
			For Black Anodized Finish, Add	14.56	
08 44 13 00-0016	SF		1" Spandrel Cover, Aluminum Exterior Face	55.56	2.29
			For Bronze Anodized Aluminum, Add	6.89	
			For Stainless Steel, Add	28.04	
			For Black Anodized Finish, Add	12.40	
08 44 13 00-0017	SF		1" Spandrel Cover, Epoxy Both Faces	121.83	2.29
			For Bronze Anodized Aluminum, Add	16.83	
			For Stainless Steel, Add	67.80	
			For Black Anodized Finish, Add	30.29	
08 44 13 00-0018	SF		1" Spandrel Cover, Epoxy Exterior Face Only	99.26	2.29
			For Bronze Anodized Aluminum, Add	13.44	
			For Stainless Steel, Add	54.26	
			For Black Anodized Finish, Add	24.20	
08 44 13 00-0019	SF		2" Spandrel Cover, Aluminum Both Faces	71.30	2.29
			For Bronze Anodized Aluminum, Add	8.88	
			For Stainless Steel, Add	36.11	
			For Black Anodized Finish, Add	15.98	
08 44 13 00-0020	SF		2" Spandrel Cover, Aluminum Exterior Face	63.72	2.29
			For Bronze Anodized Aluminum, Add	7.74	
			For Stainless Steel, Add	31.56	
			For Black Anodized Finish, Add	13.93	
08 44 13 00-0021	SF		2" Spandrel Cover, Epoxy Both Faces	139.11	2.29
			For Bronze Anodized Aluminum, Add	19.05	
			For Stainless Steel, Add	76.79	
			For Black Anodized Finish, Add	34.28	
08 44 13 00-0022	SF		2" Spandrel Cover, Epoxy Exterior Face Only	113.07	2.29
			For Bronze Anodized Aluminum, Add	15.14	
			For Stainless Steel, Add	61.17	
			For Black Anodized Finish, Add	27.25	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001)					
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.					
08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	86.53	2.29	
		For Bronze Anodized Aluminum, Add	11.62		
		For Stainless Steel, Add	46.92		
		For Black Anodized Finish, Add	20.91		
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	86.35	2.29	
		For Bronze Anodized Aluminum, Add	11.62		
		For Stainless Steel, Add	46.91		
		For Black Anodized Finish, Add	20.91		
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	86.35	2.29	
		For Bronze Anodized Aluminum, Add	11.62		
		For Stainless Steel, Add	46.91		
		For Black Anodized Finish, Add	20.91		
		For Corner Mullion, Add	20.70		
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	106.28	4.58	
		For Bronze Anodized Aluminum, Add	13.88		
		For Stainless Steel, Add	56.21		
		For Black Anodized Finish, Add	24.98		
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	106.28	4.58	
		For Bronze Anodized Aluminum, Add	13.88		
		For Stainless Steel, Add	56.21		
		For Black Anodized Finish, Add	24.98		
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls.....	106.28	4.58	
		For Bronze Anodized Aluminum, Add	13.88		
		For Stainless Steel, Add	56.21		
		For Black Anodized Finish, Add	24.98		
		For Corner Mullion, Add	25.20		
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	116.68	5.04	
		For Bronze Anodized Aluminum, Add	15.21		
		For Stainless Steel, Add	61.61		
		For Black Anodized Finish, Add	27.38		
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	116.68	5.04	
		For Bronze Anodized Aluminum, Add	15.21		
		For Stainless Steel, Add	61.61		
		For Black Anodized Finish, Add	27.38		
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls.....	116.68	5.04	
		For Bronze Anodized Aluminum, Add	15.21		
		For Stainless Steel, Add	61.61		
		For Black Anodized Finish, Add	27.38		
		For Corner Mullion, Add	27.64		
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	127.31	5.73	
		For Bronze Anodized Aluminum, Add	16.55		
		For Stainless Steel, Add	67.05		
		For Black Anodized Finish, Add	29.79		
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls.....	127.31	5.73	
		For Bronze Anodized Aluminum, Add	16.55		
		For Stainless Steel, Add	67.05		
		For Black Anodized Finish, Add	29.79		
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	127.31	5.73	
		For Bronze Anodized Aluminum, Add	16.55		
		For Stainless Steel, Add	67.05		
		For Black Anodized Finish, Add	29.79		
		For Corner Mullion, Add	30.13		
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	142.96	6.18	
		For Bronze Anodized Aluminum, Add	18.67		
		For Stainless Steel, Add	75.59		
		For Black Anodized Finish, Add	33.60		
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls.....	142.96	6.18	
		For Bronze Anodized Aluminum, Add	18.67		
		For Stainless Steel, Add	75.59		
		For Black Anodized Finish, Add	33.60		
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	142.96	6.18	
		For Bronze Anodized Aluminum, Add	18.67		
		For Stainless Steel, Add	75.59		
		For Black Anodized Finish, Add	33.60		
		For Corner Mullion, Add	33.89		
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	164.12	6.87	
		For Bronze Anodized Aluminum, Add	21.43		
		For Stainless Steel, Add	86.78		
		For Black Anodized Finish, Add	38.57		
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls.....	164.12	6.87	
		For Bronze Anodized Aluminum, Add	21.43		
		For Stainless Steel, Add	86.78		
		For Black Anodized Finish, Add	38.57		
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	164.12	6.87	
		For Bronze Anodized Aluminum, Add	21.43		
		For Stainless Steel, Add	86.78		
		For Black Anodized Finish, Add	38.57		
		For Corner Mullion, Add	38.91		

08 45 Translucent Wall and Roof Assemblies (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)



Openings			08
Entrances, Storefronts, and Curtain Walls			08 40
Translucent Wall and Roof Assemblies			08 45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 45 23 00-0001			Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)		
08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed For Aluminum Frame, Add	139.32 12.96	6.46
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed For Aluminum Frame, Add	127.67 11.94	5.50

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)

08 51 13 00-0003 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) (08 51 13 00-0002)

08 51 13 00-0004	EA	Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	852.98	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	13.38	
		For 70% Fluoropolymer Finish (Duramar), Add	40.13	
		For Clear Anodized Finish, Add	33.44	
		For Color Anodized Finish, Add	46.82	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	967.73	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	15.44	
		For 70% Fluoropolymer Finish (Duramar), Add	46.32	
		For Clear Anodized Finish, Add	38.60	
		For Color Anodized Finish, Add	54.04	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	1,064.51	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	17.15	
		For 70% Fluoropolymer Finish (Duramar), Add	51.44	
		For Clear Anodized Finish, Add	42.87	
		For Color Anodized Finish, Add	60.01	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	1,143.36	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	18.49	
		For 70% Fluoropolymer Finish (Duramar), Add	55.48	
		For Clear Anodized Finish, Add	46.23	
		For Color Anodized Finish, Add	64.73	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	1,329.94	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	22.00	
		For 70% Fluoropolymer Finish (Duramar), Add	65.99	
		For Clear Anodized Finish, Add	54.99	
		For Color Anodized Finish, Add	76.98	
08 51 13 00-0009	SF	>30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	43.59	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	0.73	
		For 70% Fluoropolymer Finish (Duramar), Add	2.20	
		For Clear Anodized Finish, Add	1.83	
		For Color Anodized Finish, Add	2.57	

08 51 13 00-0010 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)

08 51 13 00-0011	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	927.29	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	14.86	
		For 70% Fluoropolymer Finish (Duramar), Add	44.59	
		For Clear Anodized Finish, Add	37.16	
		For Color Anodized Finish, Add	52.02	
08 51 13 00-0012	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,053.51	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	17.16	
		For 70% Fluoropolymer Finish (Duramar), Add	51.47	
		For Clear Anodized Finish, Add	42.89	
		For Color Anodized Finish, Add	60.05	
08 51 13 00-0013	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,159.77	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	19.05	
		For 70% Fluoropolymer Finish (Duramar), Add	57.16	
		For Clear Anodized Finish, Add	47.63	
		For Color Anodized Finish, Add	66.68	
08 51 13 00-0014	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,246.11	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	20.55	
		For 70% Fluoropolymer Finish (Duramar), Add	61.65	
		For Clear Anodized Finish, Add	51.37	
		For Color Anodized Finish, Add	71.92	
08 51 13 00-0015	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,452.13	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	24.44	
		For 70% Fluoropolymer Finish (Duramar), Add	73.32	
		For Clear Anodized Finish, Add	61.10	
		For Color Anodized Finish, Add	85.54	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0016 SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	47.66	4.15
For 50% Fluoropolymer Finish (Acrynar), Add	0.82	
For 70% Fluoropolymer Finish (Duramar), Add	2.45	
For Clear Anodized Finish, Add	2.04	
For Color Anodized Finish, Add	2.85	
08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)		
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,455.97	110.49
For 50% Fluoropolymer Finish (Acrynar), Add	25.44	
For 70% Fluoropolymer Finish (Duramar), Add	76.31	
For Clear Anodized Finish, Add	63.59	
For Color Anodized Finish, Add	89.03	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,627.08	117.39
For 50% Fluoropolymer Finish (Acrynar), Add	28.63	
For 70% Fluoropolymer Finish (Duramar), Add	85.89	
For Clear Anodized Finish, Add	71.57	
For Color Anodized Finish, Add	100.20	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,768.25	124.30
For 50% Fluoropolymer Finish (Acrynar), Add	31.22	
For 70% Fluoropolymer Finish (Duramar), Add	93.67	
For Clear Anodized Finish, Add	78.05	
For Color Anodized Finish, Add	109.28	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,904.46	131.21
For 50% Fluoropolymer Finish (Acrynar), Add	33.72	
For 70% Fluoropolymer Finish (Duramar), Add	101.15	
For Clear Anodized Finish, Add	84.29	
For Color Anodized Finish, Add	118.00	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,290.03	138.11
For 50% Fluoropolymer Finish (Acrynar), Add	41.20	
For 70% Fluoropolymer Finish (Duramar), Add	123.59	
For Clear Anodized Finish, Add	102.99	
For Color Anodized Finish, Add	144.19	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	75.59	4.15
For 50% Fluoropolymer Finish (Acrynar), Add	1.37	
For 70% Fluoropolymer Finish (Duramar), Add	4.12	
For Clear Anodized Finish, Add	3.43	
For Color Anodized Finish, Add	4.81	
08 51 13 00-0024 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0025 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,545.74	110.49
For 50% Fluoropolymer Finish (Acrynar), Add	27.23	
For 70% Fluoropolymer Finish (Duramar), Add	81.70	
For Clear Anodized Finish, Add	68.08	
For Color Anodized Finish, Add	95.31	
08 51 13 00-0026 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,751.76	117.39
For 50% Fluoropolymer Finish (Acrynar), Add	31.12	
For 70% Fluoropolymer Finish (Duramar), Add	93.37	
For Clear Anodized Finish, Add	77.81	
For Color Anodized Finish, Add	108.93	
08 51 13 00-0027 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,917.88	124.30
For 50% Fluoropolymer Finish (Acrynar), Add	34.21	
For 70% Fluoropolymer Finish (Duramar), Add	102.64	
For Clear Anodized Finish, Add	85.54	
For Color Anodized Finish, Add	119.75	
08 51 13 00-0028 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,079.02	131.21
For 50% Fluoropolymer Finish (Acrynar), Add	37.21	
For 70% Fluoropolymer Finish (Duramar), Add	111.62	
For Clear Anodized Finish, Add	93.02	
For Color Anodized Finish, Add	130.22	
08 51 13 00-0029 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,504.49	138.11
For 50% Fluoropolymer Finish (Acrynar), Add	45.49	
For 70% Fluoropolymer Finish (Duramar), Add	136.46	
For Clear Anodized Finish, Add	113.72	
For Color Anodized Finish, Add	159.20	
08 51 13 00-0030 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	82.72	4.15
For 50% Fluoropolymer Finish (Acrynar), Add	1.52	
For 70% Fluoropolymer Finish (Duramar), Add	4.55	
For Clear Anodized Finish, Add	3.79	
For Color Anodized Finish, Add	5.31	
08 51 13 00-0031 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0032 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,715.32	110.49
For 50% Fluoropolymer Finish (Acrynar), Add	30.62	
For 70% Fluoropolymer Finish (Duramar), Add	91.87	
For Clear Anodized Finish, Add	76.56	
For Color Anodized Finish, Add	107.18	



Openings		08	08
Windows		08 50	
Metal Windows		08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0033	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,986.18	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	35.81		
		For 70% Fluoropolymer Finish (Duramar), Add	107.43		
		For Clear Anodized Finish, Add	89.53		
		For Color Anodized Finish, Add	125.34		
08 51 13 00-0034	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,157.28	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	39.00		
		For 70% Fluoropolymer Finish (Duramar), Add	117.01		
		For Clear Anodized Finish, Add	97.51		
		For Color Anodized Finish, Add	136.51		
08 51 13 00-0035	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,318.42	131.21	
		For 50% Fluoropolymer Finish (Acrynar), Add	41.99		
		For 70% Fluoropolymer Finish (Duramar), Add	125.98		
		For Clear Anodized Finish, Add	104.99		
		For Color Anodized Finish, Add	146.98		
08 51 13 00-0036	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,708.98	138.11	
		For 50% Fluoropolymer Finish (Acrynar), Add	49.58		
		For 70% Fluoropolymer Finish (Duramar), Add	148.73		
		For Clear Anodized Finish, Add	123.94		
		For Color Anodized Finish, Add	173.52		
08 51 13 00-0037	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	89.55	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.65		
		For 70% Fluoropolymer Finish (Duramar), Add	4.96		
		For Clear Anodized Finish, Add	4.13		
		For Color Anodized Finish, Add	5.78		
08 51 13 00-0038		4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)			
		(08 51 13 00-0002)			
08 51 13 00-0039	EA	Up To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,098.08	110.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	38.28		
		For 70% Fluoropolymer Finish (Duramar), Add	114.84		
		For Clear Anodized Finish, Add	95.70		
		For Color Anodized Finish, Add	133.98		
08 51 13 00-0040	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,433.78	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	44.76		
		For 70% Fluoropolymer Finish (Duramar), Add	134.29		
		For Clear Anodized Finish, Add	111.91		
		For Color Anodized Finish, Add	156.67		
08 51 13 00-0041	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,644.78	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	48.75		
		For 70% Fluoropolymer Finish (Duramar), Add	146.26		
		For Clear Anodized Finish, Add	121.88		
		For Color Anodized Finish, Add	170.63		
08 51 13 00-0042	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,843.38	131.21	
		For 50% Fluoropolymer Finish (Acrynar), Add	52.49		
		For 70% Fluoropolymer Finish (Duramar), Add	157.48		
		For Clear Anodized Finish, Add	131.24		
		For Color Anodized Finish, Add	183.73		
08 51 13 00-0043	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	3,328.70	138.11	
		For 50% Fluoropolymer Finish (Acrynar), Add	61.97		
		For 70% Fluoropolymer Finish (Duramar), Add	185.91		
		For Clear Anodized Finish, Add	154.93		
		For Color Anodized Finish, Add	216.90		
08 51 13 00-0044	SF	>30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	110.20	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	2.07		
		For 70% Fluoropolymer Finish (Duramar), Add	6.20		
		For Clear Anodized Finish, Add	5.16		
		For Color Anodized Finish, Add	7.23		
08 51 13 00-0045		Double Hung Aluminum Windows			
		(08 51 13 00-0001)			
08 51 13 00-0046		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)			
		(08 51 13 00-0045)			
08 51 13 00-0047	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,061.95	110.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	17.56		
		For 70% Fluoropolymer Finish (Duramar), Add	52.67		
		For Clear Anodized Finish, Add	43.89		
		For Color Anodized Finish, Add	61.45		
08 51 13 00-0048	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,183.19	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	19.75		
		For 70% Fluoropolymer Finish (Duramar), Add	59.25		
		For Clear Anodized Finish, Add	49.38		
		For Color Anodized Finish, Add	69.13		
08 51 13 00-0049	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,284.46	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	21.55		
		For 70% Fluoropolymer Finish (Duramar), Add	64.64		
		For Clear Anodized Finish, Add	53.87		
		For Color Anodized Finish, Add	75.41		
08 51 13 00-0050	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,390.74	131.21	
		For 50% Fluoropolymer Finish (Acrynar), Add	23.44		
		For 70% Fluoropolymer Finish (Duramar), Add	70.32		
		For Clear Anodized Finish, Add	58.60		
		For Color Anodized Finish, Add	82.04		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0051	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,646.64	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	28.33	
		For 70% Fluoropolymer Finish (Duramar), Add	84.99	
		For Clear Anodized Finish, Add	70.82	
		For Color Anodized Finish, Add	99.15	
08 51 13 00-0052	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	54.14	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	0.94	
		For 70% Fluoropolymer Finish (Duramar), Add	2.83	
		For Clear Anodized Finish, Add	2.36	
		For Color Anodized Finish, Add	3.31	
08 51 13 00-0053 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0045)				
08 51 13 00-0054	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,346.24	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	23.24	
		For 70% Fluoropolymer Finish (Duramar), Add	69.73	
		For Clear Anodized Finish, Add	58.10	
		For Color Anodized Finish, Add	81.35	
08 51 13 00-0055	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,577.20	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	27.63	
		For 70% Fluoropolymer Finish (Duramar), Add	82.89	
		For Clear Anodized Finish, Add	69.08	
		For Color Anodized Finish, Add	96.71	
08 51 13 00-0056	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,763.26	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	31.12	
		For 70% Fluoropolymer Finish (Duramar), Add	93.37	
		For Clear Anodized Finish, Add	77.81	
		For Color Anodized Finish, Add	108.93	
08 51 13 00-0057	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,974.28	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	35.11	
		For 70% Fluoropolymer Finish (Duramar), Add	105.34	
		For Clear Anodized Finish, Add	87.78	
		For Color Anodized Finish, Add	122.89	
08 51 13 00-0058	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,369.83	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	42.79	
		For 70% Fluoropolymer Finish (Duramar), Add	128.38	
		For Clear Anodized Finish, Add	106.98	
		For Color Anodized Finish, Add	149.77	
08 51 13 00-0059	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	78.23	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	1.43	
		For 70% Fluoropolymer Finish (Duramar), Add	4.28	
		For Clear Anodized Finish, Add	3.57	
		For Color Anodized Finish, Add	4.99	
08 51 13 00-0060 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0045)				
08 51 13 00-0061	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,740.25	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	31.12	
		For 70% Fluoropolymer Finish (Duramar), Add	93.37	
		For Clear Anodized Finish, Add	77.81	
		For Color Anodized Finish, Add	108.93	
08 51 13 00-0062	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,011.11	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	36.31	
		For 70% Fluoropolymer Finish (Duramar), Add	108.93	
		For Clear Anodized Finish, Add	90.77	
		For Color Anodized Finish, Add	127.08	
08 51 13 00-0063	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,237.08	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	40.60	
		For 70% Fluoropolymer Finish (Duramar), Add	121.80	
		For Clear Anodized Finish, Add	101.50	
		For Color Anodized Finish, Add	142.09	
08 51 13 00-0064	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,458.07	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	44.79	
		For 70% Fluoropolymer Finish (Duramar), Add	134.36	
		For Clear Anodized Finish, Add	111.97	
		For Color Anodized Finish, Add	156.76	
08 51 13 00-0065	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,003.25	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	55.46	
		For 70% Fluoropolymer Finish (Duramar), Add	166.38	
		For Clear Anodized Finish, Add	138.65	
		For Color Anodized Finish, Add	194.11	
08 51 13 00-0066	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	99.33	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	1.85	
		For 70% Fluoropolymer Finish (Duramar), Add	5.55	
		For Clear Anodized Finish, Add	4.62	
		For Color Anodized Finish, Add	6.47	
08 51 13 00-0067 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0045)				



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0068	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,804.13	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	52.17		
		For 70% Fluoropolymer Finish (Duramar), Add	156.51		
		For Clear Anodized Finish, Add	130.42		
		For Color Anodized Finish, Add	182.59		
08 51 13 00-0069	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,079.97	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	57.46		
		For 70% Fluoropolymer Finish (Duramar), Add	172.37		
		For Clear Anodized Finish, Add	143.64		
		For Color Anodized Finish, Add	201.10		
08 51 13 00-0070	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,405.70	131.21	
		For 50% Fluoropolymer Finish (Acrynar), Add	63.74		
		For 70% Fluoropolymer Finish (Duramar), Add	191.22		
		For Clear Anodized Finish, Add	159.35		
		For Color Anodized Finish, Add	223.09		
08 51 13 00-0071	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,960.85	138.11	
		For 50% Fluoropolymer Finish (Acrynar), Add	74.61		
		For 70% Fluoropolymer Finish (Duramar), Add	223.84		
		For Clear Anodized Finish, Add	186.53		
		For Color Anodized Finish, Add	261.15		
08 51 13 00-0072	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	131.10	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	2.48		
		For 70% Fluoropolymer Finish (Duramar), Add	7.45		
		For Clear Anodized Finish, Add	6.21		
		For Color Anodized Finish, Add	8.69		
08 51 13 00-0073		5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0045)			
08 51 13 00-0074	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	3,931.30	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	74.71		
		For 70% Fluoropolymer Finish (Duramar), Add	224.14		
		For Clear Anodized Finish, Add	186.78		
		For Color Anodized Finish, Add	261.49		
08 51 13 00-0075	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,242.06	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	80.70		
		For 70% Fluoropolymer Finish (Duramar), Add	242.09		
		For Clear Anodized Finish, Add	201.75		
		For Color Anodized Finish, Add	282.44		
08 51 13 00-0076	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,597.71	131.21	
		For 50% Fluoropolymer Finish (Acrynar), Add	87.58		
		For 70% Fluoropolymer Finish (Duramar), Add	262.74		
		For Clear Anodized Finish, Add	218.95		
		For Color Anodized Finish, Add	306.53		
08 51 13 00-0077	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,222.69	138.11	
		For 50% Fluoropolymer Finish (Acrynar), Add	99.85		
		For 70% Fluoropolymer Finish (Duramar), Add	299.55		
		For Clear Anodized Finish, Add	249.63		
		For Color Anodized Finish, Add	349.48		
08 51 13 00-0078	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	173.49	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.33		
		For 70% Fluoropolymer Finish (Duramar), Add	9.99		
		For Clear Anodized Finish, Add	8.33		
		For Color Anodized Finish, Add	11.66		
08 51 13 00-0079		Horizontal Sliding Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0080		One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0079)			
08 51 13 00-0081		2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0080)			
08 51 13 00-0082	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Window (Traco TR-6400)	952.23	110.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	15.36		
		For 70% Fluoropolymer Finish (Duramar), Add	46.08		
		For Clear Anodized Finish, Add	38.40		
		For Color Anodized Finish, Add	53.77		
08 51 13 00-0083	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,083.44	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	17.76		
		For 70% Fluoropolymer Finish (Duramar), Add	53.27		
		For Clear Anodized Finish, Add	44.39		
		For Color Anodized Finish, Add	62.14		
08 51 13 00-0084	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,179.72	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	19.45		
		For 70% Fluoropolymer Finish (Duramar), Add	58.35		
		For Clear Anodized Finish, Add	48.63		
		For Color Anodized Finish, Add	68.08		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0085	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,281.02	131.21
			For 50% Fluoropolymer Finish (Acrynar), Add	21.25	
			For 70% Fluoropolymer Finish (Duranar), Add	63.74	
			For Clear Anodized Finish, Add	53.12	
			For Color Anodized Finish, Add	74.36	
08 51 13 00-0086	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,497.02	138.11
			For 50% Fluoropolymer Finish (Acrynar), Add	25.34	
			For 70% Fluoropolymer Finish (Duranar), Add	76.01	
			For Clear Anodized Finish, Add	63.34	
			For Color Anodized Finish, Add	88.68	
08 51 13 00-0087	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	49.15	4.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.84	
			For 70% Fluoropolymer Finish (Duranar), Add	2.53	
			For Clear Anodized Finish, Add	2.11	
			For Color Anodized Finish, Add	2.96	
08 51 13 00-0088 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0080)					
08 51 13 00-0089	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,585.64	110.49
			For 50% Fluoropolymer Finish (Acrynar), Add	28.03	
			For 70% Fluoropolymer Finish (Duranar), Add	84.09	
			For Clear Anodized Finish, Add	70.07	
			For Color Anodized Finish, Add	98.10	
08 51 13 00-0090	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,796.65	117.39
			For 50% Fluoropolymer Finish (Acrynar), Add	32.02	
			For 70% Fluoropolymer Finish (Duranar), Add	96.06	
			For Clear Anodized Finish, Add	80.05	
			For Color Anodized Finish, Add	112.07	
08 51 13 00-0091	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,962.76	124.30
			For 50% Fluoropolymer Finish (Acrynar), Add	35.11	
			For 70% Fluoropolymer Finish (Duranar), Add	105.34	
			For Clear Anodized Finish, Add	87.78	
			For Color Anodized Finish, Add	122.89	
08 51 13 00-0092	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,123.91	131.21
			For 50% Fluoropolymer Finish (Acrynar), Add	38.10	
			For 70% Fluoropolymer Finish (Duranar), Add	114.31	
			For Clear Anodized Finish, Add	95.26	
			For Color Anodized Finish, Add	133.37	
08 51 13 00-0093	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,484.54	138.11
			For 50% Fluoropolymer Finish (Acrynar), Add	45.09	
			For 70% Fluoropolymer Finish (Duranar), Add	135.26	
			For Clear Anodized Finish, Add	112.72	
			For Color Anodized Finish, Add	157.80	
08 51 13 00-0094	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	82.07	4.15
			For 50% Fluoropolymer Finish (Acrynar), Add	1.50	
			For 70% Fluoropolymer Finish (Duranar), Add	4.51	
			For Clear Anodized Finish, Add	3.76	
			For Color Anodized Finish, Add	5.26	
08 51 13 00-0095 Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0079)					
08 51 13 00-0096 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0095)					
08 51 13 00-0097	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,081.90	110.49
			For 50% Fluoropolymer Finish (Acrynar), Add	17.96	
			For 70% Fluoropolymer Finish (Duranar), Add	53.87	
			For Clear Anodized Finish, Add	44.89	
			For Color Anodized Finish, Add	62.84	
08 51 13 00-0098	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,253.01	117.39
			For 50% Fluoropolymer Finish (Acrynar), Add	21.15	
			For 70% Fluoropolymer Finish (Duranar), Add	63.44	
			For Clear Anodized Finish, Add	52.87	
			For Color Anodized Finish, Add	74.01	
08 51 13 00-0099	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,364.26	124.30
			For 50% Fluoropolymer Finish (Acrynar), Add	23.14	
			For 70% Fluoropolymer Finish (Duranar), Add	69.43	
			For Clear Anodized Finish, Add	57.86	
			For Color Anodized Finish, Add	81.00	



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0100	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,455.58	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add		24.74	
		For 70% Fluoropolymer Finish (Duranar), Add		74.21	
		For Clear Anodized Finish, Add		61.85	
		For Color Anodized Finish, Add		86.58	
08 51 13 00-0101	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,701.51	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add		29.43	
		For 70% Fluoropolymer Finish (Duranar), Add		88.28	
		For Clear Anodized Finish, Add		73.57	
		For Color Anodized Finish, Add		102.99	
08 51 13 00-0102	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		55.94	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add		0.98	
		For 70% Fluoropolymer Finish (Duranar), Add		2.94	
		For Clear Anodized Finish, Add		2.45	
		For Color Anodized Finish, Add		3.43	
08 51 13 00-0103		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0079)			
08 51 13 00-0104		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0103)			
08 51 13 00-0105	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		2,972.17	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add		55.76	
		For 70% Fluoropolymer Finish (Duranar), Add		167.28	
		For Clear Anodized Finish, Add		139.40	
		For Color Anodized Finish, Add		195.16	
08 51 13 00-0106	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		3,419.89	127.75
		For 50% Fluoropolymer Finish (Acrynar), Add		64.14	
		For 70% Fluoropolymer Finish (Duranar), Add		192.42	
		For Clear Anodized Finish, Add		160.35	
		For Color Anodized Finish, Add		224.49	
08 51 13 00-0107	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		3,700.72	134.66
		For 50% Fluoropolymer Finish (Acrynar), Add		69.53	
		For 70% Fluoropolymer Finish (Duranar), Add		208.58	
		For Clear Anodized Finish, Add		173.81	
		For Color Anodized Finish, Add		243.34	
08 51 13 00-0108	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		4,487.60	151.92
		For 50% Fluoropolymer Finish (Acrynar), Add		84.69	
		For 70% Fluoropolymer Finish (Duranar), Add		254.06	
		For Clear Anodized Finish, Add		211.72	
		For Color Anodized Finish, Add		296.41	
08 51 13 00-0109	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		5,185.46	172.64
		For 50% Fluoropolymer Finish (Acrynar), Add		97.95	
		For 70% Fluoropolymer Finish (Duranar), Add		293.86	
		For Clear Anodized Finish, Add		244.89	
		For Color Anodized Finish, Add		342.84	
08 51 13 00-0110	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		88.51	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add		1.63	
		For 70% Fluoropolymer Finish (Duranar), Add		4.90	
		For Clear Anodized Finish, Add		4.08	
		For Color Anodized Finish, Add		5.71	
08 51 13 00-0111		Fixed Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0112		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0111)			
08 51 13 00-0113	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)		717.81	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add		10.67	
		For 70% Fluoropolymer Finish (Duranar), Add		32.02	
		For Clear Anodized Finish, Add		26.68	
		For Color Anodized Finish, Add		37.36	
08 51 13 00-0114	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)		829.07	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add		12.67	
		For 70% Fluoropolymer Finish (Duranar), Add		38.00	
		For Clear Anodized Finish, Add		31.67	
		For Color Anodized Finish, Add		44.34	
08 51 13 00-0115	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)		875.49	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add		13.37	
		For 70% Fluoropolymer Finish (Duranar), Add		40.10	
		For Clear Anodized Finish, Add		33.42	
		For Color Anodized Finish, Add		46.78	
08 51 13 00-0116	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)		921.92	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add		14.06	
		For 70% Fluoropolymer Finish (Duranar), Add		42.19	
		For Clear Anodized Finish, Add		35.16	
		For Color Anodized Finish, Add		49.23	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0117	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,257.62 20.55 61.65 51.37 71.92	138.11
08 51 13 00-0118	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	41.17 0.69 2.06 1.71 2.40	4.15
08 51 13 00-0119			2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0111)		
08 51 13 00-0120	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	937.26 15.06 45.19 37.66 52.72	110.49
08 51 13 00-0121	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,083.44 17.76 53.27 44.39 62.14	117.39
08 51 13 00-0122	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,169.75 19.25 57.76 48.13 67.38	124.30
08 51 13 00-0123	EA		>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,261.07 20.85 62.54 52.12 72.97	131.21
08 51 13 00-0124	EA		>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,701.51 29.43 88.28 73.57 102.99	138.11
08 51 13 00-0125	SF		>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	55.94 0.98 2.94 2.45 3.43	4.15
08 51 13 00-0126			3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13 00-0111)		
08 51 13 00-0127	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	787.64 12.07 36.21 30.17 42.24	110.49
08 51 13 00-0128	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	933.81 14.76 44.29 36.91 51.67	117.39
08 51 13 00-0129	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,010.15 16.06 48.18 40.15 56.21	124.30
08 51 13 00-0130	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,091.49 17.46 52.37 43.64 61.10	131.21
08 51 13 00-0131	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,506.99 25.54 76.61 63.84 89.38	138.11
08 51 13 00-0132	SF		>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	49.45 0.85 2.55 2.13 2.98	4.15
08 51 13 00-0133			4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0111)		
08 51 13 00-0134	EA		Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	782.65 11.97 35.91 29.93 41.90	110.49



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0135	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	913.86	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	14.36		
		For 70% Fluoropolymer Finish (Duranar), Add	43.09		
		For Clear Anodized Finish, Add	35.91		
		For Color Anodized Finish, Add	50.27		
08 51 13 00-0136	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	990.20	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	15.66		
		For 70% Fluoropolymer Finish (Duranar), Add	46.98		
		For Clear Anodized Finish, Add	39.15		
		For Color Anodized Finish, Add	54.81		
08 51 13 00-0137	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	1,071.54	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	17.06		
		For 70% Fluoropolymer Finish (Duranar), Add	51.17		
		For Clear Anodized Finish, Add	42.64		
		For Color Anodized Finish, Add	59.70		
08 51 13 00-0138	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	1,487.04	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	25.14		
		For 70% Fluoropolymer Finish (Duranar), Add	75.41		
		For Clear Anodized Finish, Add	62.84		
		For Color Anodized Finish, Add	87.98		
08 51 13 00-0139	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	48.81	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	0.84		
		For 70% Fluoropolymer Finish (Duranar), Add	2.51		
		For Clear Anodized Finish, Add	2.10		
		For Color Anodized Finish, Add	2.93		
08 51 13 00-0140		4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL) (08 51 13 00-0111)			
08 51 13 00-0141	EA	Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	962.20	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	15.56		
		For 70% Fluoropolymer Finish (Duranar), Add	46.68		
		For Clear Anodized Finish, Add	38.90		
		For Color Anodized Finish, Add	54.46		
08 51 13 00-0142	EA	>6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	1,129.32	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	18.67		
		For 70% Fluoropolymer Finish (Duranar), Add	56.02		
		For Clear Anodized Finish, Add	46.68		
		For Color Anodized Finish, Add	65.36		
08 51 13 00-0143	EA	>10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	1,225.11	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	20.36		
		For 70% Fluoropolymer Finish (Duranar), Add	61.08		
		For Clear Anodized Finish, Add	50.90		
		For Color Anodized Finish, Add	71.26		
08 51 13 00-0144	EA	>15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	1,327.40	131.21
		For 50% Fluoropolymer Finish (Acrynar), Add	22.17		
		For 70% Fluoropolymer Finish (Duranar), Add	66.52		
		For Clear Anodized Finish, Add	55.44		
		For Color Anodized Finish, Add	77.61		
08 51 13 00-0145	EA	>20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	1,864.10	138.11
		For 50% Fluoropolymer Finish (Acrynar), Add	32.68		
		For 70% Fluoropolymer Finish (Duranar), Add	98.03		
		For Clear Anodized Finish, Add	81.70		
		For Color Anodized Finish, Add	114.37		
08 51 13 00-0146	SF	>30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	.....	61.36	4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	1.09		
		For 70% Fluoropolymer Finish (Duranar), Add	3.27		
		For Clear Anodized Finish, Add	2.72		
		For Color Anodized Finish, Add	3.81		
08 51 13 00-0147		Projected Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0148		Single Vent, Projected Aluminum Windows (08 51 13 00-0147)			
08 51 13 00-0149		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0148)			
08 51 13 00-0150	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	1,092.87	110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	18.17		
		For 70% Fluoropolymer Finish (Duranar), Add	54.52		
		For Clear Anodized Finish, Add	45.44		
		For Color Anodized Finish, Add	63.61		
08 51 13 00-0151	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	1,187.68	117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	19.84		
		For 70% Fluoropolymer Finish (Duranar), Add	59.52		
		For Clear Anodized Finish, Add	49.60		
		For Color Anodized Finish, Add	69.44		
08 51 13 00-0152	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	1,299.42	124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	21.85		
		For 70% Fluoropolymer Finish (Duranar), Add	65.54		
		For Clear Anodized Finish, Add	54.61		
		For Color Anodized Finish, Add	76.46		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0153	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	79.73 1.46 4.37 3.64 5.10	4.15
08 51 13 00-0154 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0148)					
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,533.82 26.99 80.98 67.48 94.48	110.49
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,701.44 30.12 90.35 75.29 105.40	117.39
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,897.93 33.82 101.45 84.54 118.35	124.30
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	119.63 2.25 6.76 5.64 7.89	4.15
08 51 13 00-0159 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0148)					
08 51 13 00-0160	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,699.21 30.30 90.90 75.75 106.05	110.49
08 51 13 00-0161	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,894.06 33.97 101.90 84.92 118.89	117.39
08 51 13 00-0162	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,122.36 38.30 114.91 95.76 134.06	124.30
08 51 13 00-0163	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	134.59 2.55 7.66 6.38 8.94	4.15
08 51 13 00-0164 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0148)					
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,813.12 32.58 97.74 81.45 114.03	110.49
08 51 13 00-0166	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,026.77 36.62 109.87 91.56 128.18	117.39
08 51 13 00-0167	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,276.98 41.40 124.19 103.49 144.89	124.30



Openings		08	08
Windows		08 50	
Metal Windows		08 51	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 51 13 00-0168	SF >15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	144.91		4.15	
08 51 13 00-0169	4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0148)				
08 51 13 00-0170	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,798.41		110.49	
08 51 13 00-0171	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,009.67		117.39	
08 51 13 00-0172	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,257.03		124.30	
08 51 13 00-0173	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	143.57		4.15	
08 51 13 00-0174	Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0147)				
08 51 13 00-0175	2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0174)				
08 51 13 00-0176	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,574.27		110.49	
08 51 13 00-0177	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,748.52		117.39	
08 51 13 00-0178	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,952.79		124.30	
08 51 13 00-0179	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	123.12		4.15	
08 51 13 00-0180	2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0174)				
08 51 13 00-0181	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,272.47		110.49	
08 51 13 00-0182	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,561.93		117.39	
08 51 13 00-0183	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,900.42		124.30	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0184	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	186.46		4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	3.59		
		For 70% Fluoropolymer Finish (Duranar), Add	10.77		
		For Clear Anodized Finish, Add	8.98		
		For Color Anodized Finish, Add	12.57		
08 51 13 00-0185 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0174)					
08 51 13 00-0186	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,419.45		110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	44.71		
		For 70% Fluoropolymer Finish (Duranar), Add	134.12		
		For Clear Anodized Finish, Add	111.77		
		For Color Anodized Finish, Add	156.47		
08 51 13 00-0187	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,733.16		117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	50.75		
		For 70% Fluoropolymer Finish (Duranar), Add	152.25		
		For Clear Anodized Finish, Add	126.88		
		For Color Anodized Finish, Add	177.63		
08 51 13 00-0188	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,099.92		124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	57.86		
		For 70% Fluoropolymer Finish (Duranar), Add	173.57		
		For Clear Anodized Finish, Add	144.64		
		For Color Anodized Finish, Add	202.49		
08 51 13 00-0189	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	199.43		4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	3.85		
		For 70% Fluoropolymer Finish (Duranar), Add	11.55		
		For Clear Anodized Finish, Add	9.63		
		For Color Anodized Finish, Add	13.48		
08 51 13 00-0190 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0174)					
08 51 13 00-0191	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,404.79		110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	44.41		
		For 70% Fluoropolymer Finish (Duranar), Add	133.24		
		For Clear Anodized Finish, Add	111.03		
		For Color Anodized Finish, Add	155.44		
08 51 13 00-0192	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,716.05		117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	50.41		
		For 70% Fluoropolymer Finish (Duranar), Add	151.22		
		For Clear Anodized Finish, Add	126.02		
		For Color Anodized Finish, Add	176.43		
08 51 13 00-0193	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,079.97		124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	57.46		
		For 70% Fluoropolymer Finish (Duranar), Add	172.37		
		For Clear Anodized Finish, Add	143.64		
		For Color Anodized Finish, Add	201.10		
08 51 13 00-0194	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	198.43		4.15
		For 50% Fluoropolymer Finish (Acrynar), Add	3.83		
		For 70% Fluoropolymer Finish (Duranar), Add	11.49		
		For Clear Anodized Finish, Add	9.58		
		For Color Anodized Finish, Add	13.41		
08 51 13 00-0195 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0174)					
08 51 13 00-0196	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,632.62		110.49
		For 50% Fluoropolymer Finish (Acrynar), Add	48.97		
		For 70% Fluoropolymer Finish (Duranar), Add	146.91		
		For Clear Anodized Finish, Add	122.42		
		For Color Anodized Finish, Add	171.39		
08 51 13 00-0197	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,981.48		117.39
		For 50% Fluoropolymer Finish (Acrynar), Add	55.72		
		For 70% Fluoropolymer Finish (Duranar), Add	167.15		
		For Clear Anodized Finish, Add	139.29		
		For Color Anodized Finish, Add	195.01		
08 51 13 00-0198	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,389.19		124.30
		For 50% Fluoropolymer Finish (Acrynar), Add	63.64		
		For 70% Fluoropolymer Finish (Duranar), Add	190.92		
		For Clear Anodized Finish, Add	159.10		
		For Color Anodized Finish, Add	222.74		



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0199	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	218.88 4.24 12.72 10.60 14.84	4.15
08 51 13 00-0200			Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0201			Single Vent, Casement Aluminum Windows (08 51 13 00-0200)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,272.92 21.78 65.33 54.44 76.21	110.49
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,397.45 24.04 72.11 60.09 84.13	117.39
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,543.81 26.73 80.20 66.83 93.57	124.30
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	96.04 1.78 5.35 4.46 6.24	4.15
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,941.75 35.15 105.46 87.88 123.03	110.49
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,176.60 39.62 118.86 99.05 138.67	117.39
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,451.54 44.89 134.66 112.22 157.11	124.30
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	156.54 2.99 8.98 7.48 10.47	4.15
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,952.77 35.37 106.12 88.43 123.80	110.49
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,189.47 39.88 119.63 99.69 139.57	117.39
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,466.50 45.19 135.56 112.97 158.15	124.30

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	157.53	4.15
			For 50% Fluoropolymer Finish (Acrynar), Add	3.01	
			For 70% Fluoropolymer Finish (Duranar), Add	9.04	
			For Clear Anodized Finish, Add	7.53	
			For Color Anodized Finish, Add	10.54	
08 51 13 00-0217			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,066.69	110.49
			For 50% Fluoropolymer Finish (Acrynar), Add	37.65	
			For 70% Fluoropolymer Finish (Duranar), Add	112.95	
			For Clear Anodized Finish, Add	94.13	
			For Color Anodized Finish, Add	131.78	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,322.18	117.39
			For 50% Fluoropolymer Finish (Acrynar), Add	42.53	
			For 70% Fluoropolymer Finish (Duranar), Add	127.59	
			For Clear Anodized Finish, Add	106.33	
			For Color Anodized Finish, Add	148.86	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,621.11	124.30
			For 50% Fluoropolymer Finish (Acrynar), Add	48.28	
			For 70% Fluoropolymer Finish (Duranar), Add	144.84	
			For Clear Anodized Finish, Add	120.70	
			For Color Anodized Finish, Add	168.98	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	167.86	4.15
			For 50% Fluoropolymer Finish (Acrynar), Add	3.22	
			For 70% Fluoropolymer Finish (Duranar), Add	9.66	
			For Clear Anodized Finish, Add	8.05	
			For Color Anodized Finish, Add	11.27	
08 51 13 00-0222			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0200)		
08 51 13 00-0223			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0222)		
08 51 13 00-0224	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,475.05	110.49
			For 50% Fluoropolymer Finish (Acrynar), Add	25.82	
			For 70% Fluoropolymer Finish (Duranar), Add	77.45	
			For Clear Anodized Finish, Add	64.55	
			For Color Anodized Finish, Add	90.36	
08 51 13 00-0225	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,632.91	117.39
			For 50% Fluoropolymer Finish (Acrynar), Add	28.75	
			For 70% Fluoropolymer Finish (Duranar), Add	86.24	
			For Clear Anodized Finish, Add	71.86	
			For Color Anodized Finish, Add	100.61	
08 51 13 00-0226	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,818.13	124.30
			For 50% Fluoropolymer Finish (Acrynar), Add	32.22	
			For 70% Fluoropolymer Finish (Duranar), Add	96.66	
			For Clear Anodized Finish, Add	80.55	
			For Color Anodized Finish, Add	112.77	
08 51 13 00-0227	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	114.29	4.15
			For 50% Fluoropolymer Finish (Acrynar), Add	2.15	
			For 70% Fluoropolymer Finish (Duranar), Add	6.44	
			For Clear Anodized Finish, Add	5.37	
			For Color Anodized Finish, Add	7.52	
08 51 13 00-0228			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0222)		
08 51 13 00-0229	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,143.84	110.49
			For 50% Fluoropolymer Finish (Acrynar), Add	39.19	
			For 70% Fluoropolymer Finish (Duranar), Add	117.58	
			For Clear Anodized Finish, Add	97.98	
			For Color Anodized Finish, Add	137.18	
08 51 13 00-0230	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,412.06	117.39
			For 50% Fluoropolymer Finish (Acrynar), Add	44.33	
			For 70% Fluoropolymer Finish (Duranar), Add	132.98	
			For Clear Anodized Finish, Add	110.82	
			For Color Anodized Finish, Add	155.15	
08 51 13 00-0231	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,725.85	124.30
			For 50% Fluoropolymer Finish (Acrynar), Add	50.37	
			For 70% Fluoropolymer Finish (Duranar), Add	151.12	
			For Clear Anodized Finish, Add	125.93	
			For Color Anodized Finish, Add	176.31	



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 51 13 00-0232	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	174.84	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.36		
		For 70% Fluoropolymer Finish (Duranar), Add	10.08		
		For Clear Anodized Finish, Add	8.40		
		For Color Anodized Finish, Add	11.76		
08 51 13 00-0233 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0222)					
08 51 13 00-0234	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,390.08	110.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	44.12		
		For 70% Fluoropolymer Finish (Duranar), Add	132.36		
		For Clear Anodized Finish, Add	110.30		
		For Color Anodized Finish, Add	154.42		
08 51 13 00-0235	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,698.94	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	50.07		
		For 70% Fluoropolymer Finish (Duranar), Add	150.20		
		For Clear Anodized Finish, Add	125.16		
		For Color Anodized Finish, Add	175.23		
08 51 13 00-0236	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,060.02	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	57.06		
		For 70% Fluoropolymer Finish (Duranar), Add	171.17		
		For Clear Anodized Finish, Add	142.64		
		For Color Anodized Finish, Add	199.70		
08 51 13 00-0237	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	197.08	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.80		
		For 70% Fluoropolymer Finish (Duranar), Add	11.41		
		For Clear Anodized Finish, Add	9.51		
		For Color Anodized Finish, Add	13.31		
08 51 13 00-0238 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0222)					
08 51 13 00-0239	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,614.21	110.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	48.60		
		For 70% Fluoropolymer Finish (Duranar), Add	145.80		
		For Clear Anodized Finish, Add	121.50		
		For Color Anodized Finish, Add	170.10		
08 51 13 00-0240	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,960.09	117.39	
		For 50% Fluoropolymer Finish (Acrynar), Add	55.29		
		For 70% Fluoropolymer Finish (Duranar), Add	165.87		
		For Clear Anodized Finish, Add	138.22		
		For Color Anodized Finish, Add	193.51		
08 51 13 00-0241	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,364.25	124.30	
		For 50% Fluoropolymer Finish (Acrynar), Add	63.14		
		For 70% Fluoropolymer Finish (Duranar), Add	189.43		
		For Clear Anodized Finish, Add	157.85		
		For Color Anodized Finish, Add	221.00		
08 51 13 00-0242	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	217.38	4.15	
		For 50% Fluoropolymer Finish (Acrynar), Add	4.21		
		For 70% Fluoropolymer Finish (Duranar), Add	12.63		
		For Clear Anodized Finish, Add	10.52		
		For Color Anodized Finish, Add	14.73		
08 51 13 00-0243 Aluminum Window Accessories (08 51 13)					
08 51 13 00-0244 Aluminum Window Mullions (08 51 13 00-0243)					
08 51 13 00-0245	LF	Integral Mullions For Aluminum Windows	41.33	5.17	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.63		
		For 70% Fluoropolymer Finish (Duranar), Add	1.90		
		For Clear Anodized Finish, Add	1.59		
		For Color Anodized Finish, Add	2.22		
08 51 13 00-0246 Aluminum Window Panning (08 51 13 00-0243)					
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.					
08 51 13 00-0247	EA	Up To 6 SF Window, Aluminum Window Panning	449.64	43.98	
		For 50% Fluoropolymer Finish (Acrynar), Add	7.53		
		For 70% Fluoropolymer Finish (Duranar), Add	22.58		
		For Clear Anodized Finish, Add	18.82		
		For Color Anodized Finish, Add	26.34		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0248 EA >6 To 10 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	607.33 9.70 29.11 24.26 33.96	73.31
08 51 13 00-0249 EA >10 To 15 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	713.76 10.61 31.83 26.52 37.13	109.97
08 51 13 00-0250 EA >15 To 20 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	829.27 11.70 35.09 29.25 40.94	146.62
08 51 13 00-0251 EA >20 To 30 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,055.73 13.78 41.35 34.46 48.24	219.93
08 51 13 00-0252 SF >30 SF Window, Aluminum Window Panning..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	36.81 0.43 1.29 1.08 1.51	9.17
08 51 13 00-0253 Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0243)		
08 51 13 00-0254 SF Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	8.95 0.04 0.12 0.10 0.14	5.17
08 51 13 00-0255 SF Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	14.84 0.16 0.48 0.40 0.56	5.17
08 51 13 00-0256 SF Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	28.61 0.23 0.68 0.57 0.79	5.17
08 51 13 00-0257 SF True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	35.44 0.32 0.95 0.79 1.11	5.17
08 51 13 00-0258 Other Aluminum Window Accessories (08 51 13 00-0243)		
08 51 13 00-0259 EA Roto Operator For Casement Aluminum Windows.....	381.19	23.00
08 51 13 00-0260 EA Head And Sill Automatic Locks For Hung Aluminum Windows.....	181.69	23.00
08 51 19 Stainless-Steel Windows (08 51) See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001 Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002 Industrial (08 51 19 00-0001)		
08 51 19 00-0003 SF Stainless Steel Window With Horizontal Pivot Sash.....	119.02	6.91
08 51 19 00-0004 SF Stainless Steel Window, Fixed Sash.....	88.68	6.91
08 51 19 00-0005 Projected Sash (08 51 19 00-0001)		
08 51 19 00-0006 SF Commercial Projected Sash Window - 40% Vented Stainless Steel.....	124.68	6.91
08 51 19 00-0007 SF Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	138.10	6.91
08 51 19 00-0008 Other Type Sash (08 51 19 00-0001)		
08 51 19 00-0009 SF Double Hung Stainless Steel Window Sash.....	151.48	6.91
08 51 19 00-0010 SF Single Hung Stainless Steel Window Sash.....	105.90	6.91
08 51 19 00-0011 SF Stainless Steel Picture Window Sash.....	87.78	6.91
08 51 19 00-0012 SF Sliding Stainless Steel Window.....	156.39	6.91
08 51 19 00-0013 Casements (08 51 19 00-0001)		
08 51 19 00-0014 SF Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	135.32	6.91
08 51 19 00-0015 SF Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	116.46	6.91
08 51 19 00-0016 SF Stainless Steel Window Casements, Fixed Sash, Factory Primed.....	80.87	6.91



Openings			08	08
Windows			08 50	
Metal Windows			08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 23 Steel Windows (08 51)

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

08 51 23 00-0001 Steel Windows (08 51 23)

08 51 23 00-0002 Industrial (08 51 23 00-0001)

08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	99.33	6.91
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	88.36	6.91
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	144.28	6.91
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	122.35	6.91

08 51 23 00-0007 Projected Sash (08 51 23 00-0001)

08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	113.37	6.91
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	125.42	6.91

08 51 23 00-0010 Other Type Sash (08 51 23 00-0001)

08 51 23 00-0011	SF	Double Hung Steel Window Sash	146.71	6.91
08 51 23 00-0012	SF	Steel Picture Window Sash	60.88	6.91
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	151.46	8.63
08 51 23 00-0014	SF	Single Hung Steel Window Sash	102.69	6.91

08 51 23 00-0015 Casements (08 51 23 00-0001)

08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	131.13	3.45
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	112.90	3.45
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	78.51	5.17

08 51 23 00-0019 Mullions (08 51 23 00-0001)

08 51 23 00-0020	LF	Open Faced Steel Mullion	45.70	5.17
08 51 23 00-0021	LF	Covered Steel Mullions	80.16	5.17

08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame (08 51 23)

Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.

08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	18.33	

08 51 69 Metal Storm Windows (08 51)

08 51 69 00-0001 Storm Windows (08 51 69)

08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	53.55	3.45

08 52 Wood Windows (08 50)

08 52 11 Wood Windows (08 52)

08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)

08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	350.22	
		For Low-E Insulated Glass, Add	29.63	
		For Aluminum Clad Exterior, Add	31.75	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	371.89	
		For Low-E Insulated Glass, Add	31.76	
		For Aluminum Clad Exterior, Add	34.03	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	395.08	
		For Low-E Insulated Glass, Add	34.11	
		For Aluminum Clad Exterior, Add	36.54	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	407.44	
		For Low-E Insulated Glass, Add	35.39	
		For Aluminum Clad Exterior, Add	37.91	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	418.27	
		For Low-E Insulated Glass, Add	36.45	
		For Aluminum Clad Exterior, Add	39.06	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	432.16	
		For Low-E Insulated Glass, Add	37.94	
		For Aluminum Clad Exterior, Add	40.65	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	438.47	
		For Low-E Insulated Glass, Add	38.38	
		For Aluminum Clad Exterior, Add	41.12	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	466.19	
		For Low-E Insulated Glass, Add	41.35	
		For Aluminum Clad Exterior, Add	44.31	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0011 EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	489.38	
For Low-E Insulated Glass, Add	43.70	
For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
(08 52 11 00-0001)		
08 52 11 00-0013 EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	371.89	
For Low-E Insulated Glass, Add	31.76	
For Aluminum Clad Exterior, Add	34.03	
08 52 11 00-0014 EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	395.08	
For Low-E Insulated Glass, Add	34.11	
For Aluminum Clad Exterior, Add	36.54	
08 52 11 00-0015 EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.05	
For Low-E Insulated Glass, Add	36.45	
For Aluminum Clad Exterior, Add	39.06	
08 52 11 00-0016 EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	432.16	
For Low-E Insulated Glass, Add	37.94	
For Aluminum Clad Exterior, Add	40.65	
08 52 11 00-0017 EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.99	
For Low-E Insulated Glass, Add	39.01	
For Aluminum Clad Exterior, Add	41.80	
08 52 11 00-0018 EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	455.36	
For Low-E Insulated Glass, Add	40.29	
For Aluminum Clad Exterior, Add	43.17	
08 52 11 00-0019 EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	466.19	
For Low-E Insulated Glass, Add	41.35	
For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0020 EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	489.38	
For Low-E Insulated Glass, Add	43.70	
For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0021 EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	512.58	
For Low-E Insulated Glass, Add	46.04	
For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
(08 52 11 00-0001)		
08 52 11 00-0023 EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.64	
For Low-E Insulated Glass, Add	33.04	
For Aluminum Clad Exterior, Add	35.40	
08 52 11 00-0024 EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.83	
For Low-E Insulated Glass, Add	35.39	
For Aluminum Clad Exterior, Add	37.91	
08 52 11 00-0025 EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	430.55	
For Low-E Insulated Glass, Add	37.94	
For Aluminum Clad Exterior, Add	40.65	
08 52 11 00-0026 EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.38	
For Low-E Insulated Glass, Add	39.01	
For Aluminum Clad Exterior, Add	41.80	
08 52 11 00-0027 EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	453.74	
For Low-E Insulated Glass, Add	40.29	
For Aluminum Clad Exterior, Add	43.17	
08 52 11 00-0028 EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	464.58	
For Low-E Insulated Glass, Add	41.35	
For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0029 EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.93	
For Low-E Insulated Glass, Add	42.63	
For Aluminum Clad Exterior, Add	45.68	
08 52 11 00-0030 EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	498.60	
For Low-E Insulated Glass, Add	44.77	
For Aluminum Clad Exterior, Add	47.96	
08 52 11 00-0031 EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	521.80	
For Low-E Insulated Glass, Add	47.11	
For Aluminum Clad Exterior, Add	50.48	
08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
(08 52 11 00-0001)		
08 52 11 00-0033 EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	396.69	
For Low-E Insulated Glass, Add	34.11	
For Aluminum Clad Exterior, Add	36.54	
08 52 11 00-0034 EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	419.89	
For Low-E Insulated Glass, Add	36.45	
For Aluminum Clad Exterior, Add	39.06	
08 52 11 00-0035 EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	444.60	
For Low-E Insulated Glass, Add	39.01	
For Aluminum Clad Exterior, Add	41.80	
08 52 11 00-0036 EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.97	
For Low-E Insulated Glass, Add	40.29	
For Aluminum Clad Exterior, Add	43.17	
08 52 11 00-0037 EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.80	
For Low-E Insulated Glass, Add	41.35	
For Aluminum Clad Exterior, Add	44.31	



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	480.15	
			For Low-E Insulated Glass, Add	42.63	
			For Aluminum Clad Exterior, Add	45.68	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	490.99	
			For Low-E Insulated Glass, Add	43.70	
			For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	514.19	
			For Low-E Insulated Glass, Add	46.04	
			For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	537.38	
			For Low-E Insulated Glass, Add	48.39	
			For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	442.99	
			For Low-E Insulated Glass, Add	39.01	
			For Aluminum Clad Exterior, Add	41.80	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	466.19	
			For Low-E Insulated Glass, Add	41.35	
			For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	489.38	
			For Low-E Insulated Glass, Add	43.70	
			For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	500.22	
			For Low-E Insulated Glass, Add	44.77	
			For Aluminum Clad Exterior, Add	47.96	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	512.58	
			For Low-E Insulated Glass, Add	46.04	
			For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	523.41	
			For Low-E Insulated Glass, Add	47.11	
			For Aluminum Clad Exterior, Add	50.48	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	535.77	
			For Low-E Insulated Glass, Add	48.39	
			For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	558.95	
			For Low-E Insulated Glass, Add	50.73	
			For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	583.69	
			For Low-E Insulated Glass, Add	53.29	
			For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	453.74	
			For Low-E Insulated Glass, Add	40.29	
			For Aluminum Clad Exterior, Add	43.17	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	476.93	
			For Low-E Insulated Glass, Add	42.63	
			For Aluminum Clad Exterior, Add	45.68	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	498.60	
			For Low-E Insulated Glass, Add	44.77	
			For Aluminum Clad Exterior, Add	47.96	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	510.97	
			For Low-E Insulated Glass, Add	46.04	
			For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	521.80	
			For Low-E Insulated Glass, Add	47.11	
			For Aluminum Clad Exterior, Add	50.48	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	534.16	
			For Low-E Insulated Glass, Add	48.39	
			For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	544.99	
			For Low-E Insulated Glass, Add	49.46	
			For Aluminum Clad Exterior, Add	52.99	
08 52 11 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	569.71	
			For Low-E Insulated Glass, Add	52.01	
			For Aluminum Clad Exterior, Add	55.73	
08 52 11 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	592.91	
			For Low-E Insulated Glass, Add	54.36	
			For Aluminum Clad Exterior, Add	58.24	
08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	467.80	
			For Low-E Insulated Glass, Add	41.35	
			For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	490.99	
			For Low-E Insulated Glass, Add	43.70	
			For Aluminum Clad Exterior, Add	46.82	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.19	
		For Low-E Insulated Glass, Add	46.04	
		For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	525.02	
		For Low-E Insulated Glass, Add	47.11	
		For Aluminum Clad Exterior, Add	50.48	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.38	
		For Low-E Insulated Glass, Add	48.39	
		For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	548.21	
		For Low-E Insulated Glass, Add	49.46	
		For Aluminum Clad Exterior, Add	52.99	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	560.57	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	585.30	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.48	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.99	
		For Low-E Insulated Glass, Add	43.70	
		For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.19	
		For Low-E Insulated Glass, Add	46.04	
		For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.38	
		For Low-E Insulated Glass, Add	48.39	
		For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	548.21	
		For Low-E Insulated Glass, Add	49.46	
		For Aluminum Clad Exterior, Add	52.99	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	560.57	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	572.94	
		For Low-E Insulated Glass, Add	52.01	
		For Aluminum Clad Exterior, Add	55.73	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	585.30	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.48	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	631.67	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	512.58	
		For Low-E Insulated Glass, Add	46.04	
		For Aluminum Clad Exterior, Add	49.33	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	535.77	
		For Low-E Insulated Glass, Add	48.39	
		For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.95	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	571.32	
		For Low-E Insulated Glass, Add	52.01	
		For Aluminum Clad Exterior, Add	55.73	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.69	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	594.52	
		For Low-E Insulated Glass, Add	54.36	
		For Aluminum Clad Exterior, Add	58.24	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	606.87	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	630.06	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	651.74	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	



Openings		08	08
Windows		08 50	
Wood Windows		08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	521.80	
		For Low-E Insulated Glass, Add	47.11	
		For Aluminum Clad Exterior, Add	50.48	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	544.99	
		For Low-E Insulated Glass, Add	49.46	
		For Aluminum Clad Exterior, Add	52.99	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	569.71	
		For Low-E Insulated Glass, Add	52.01	
		For Aluminum Clad Exterior, Add	55.73	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	582.08	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	592.91	
		For Low-E Insulated Glass, Add	54.36	
		For Aluminum Clad Exterior, Add	58.24	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	605.26	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	616.10	
		For Low-E Insulated Glass, Add	56.70	
		For Aluminum Clad Exterior, Add	60.75	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	639.29	
		For Low-E Insulated Glass, Add	59.05	
		For Aluminum Clad Exterior, Add	63.27	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	662.48	
		For Low-E Insulated Glass, Add	61.39	
		For Aluminum Clad Exterior, Add	65.78	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	537.38	
		For Low-E Insulated Glass, Add	48.39	
		For Aluminum Clad Exterior, Add	51.85	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	560.57	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	585.30	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	596.13	
		For Low-E Insulated Glass, Add	54.36	
		For Aluminum Clad Exterior, Add	58.24	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	608.48	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	619.32	
		For Low-E Insulated Glass, Add	56.70	
		For Aluminum Clad Exterior, Add	60.75	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	631.67	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	653.35	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	676.55	
		For Low-E Insulated Glass, Add	62.46	
		For Aluminum Clad Exterior, Add	66.92	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	560.57	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	585.30	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	608.48	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	619.32	
		For Low-E Insulated Glass, Add	56.70	
		For Aluminum Clad Exterior, Add	60.75	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	631.67	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	642.51	
		For Low-E Insulated Glass, Add	59.05	
		For Aluminum Clad Exterior, Add	63.27	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	653.35	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	676.55 62.46 66.92	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	699.74 64.80 69.43	
08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	583.69 53.29 57.10	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	606.87 55.64 59.61	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	630.06 57.98 62.12	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	640.90 59.05 63.27	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	651.74 60.11 64.41	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	668.61 62.02 66.45	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	676.53 62.68 67.16	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	698.13 64.80 69.43	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	722.84 67.36 72.17	
08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	608.48 55.64 59.61	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	631.67 57.98 62.12	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	653.35 60.11 64.41	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	665.71 61.39 65.78	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	676.55 62.46 66.92	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	688.90 63.74 68.29	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	699.74 64.80 69.43	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	724.46 67.36 72.17	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	747.65 69.71 74.69	
08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	638.12 57.98 62.12	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	659.80 60.11 64.41	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	682.99 62.46 66.92	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	695.34 63.74 68.29	



Openings			08
Windows			08 50
Wood Windows			08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	706.19 64.80 69.43	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	718.54 66.08 70.80	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	730.90 67.36 72.17	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	754.09 69.71 74.69	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	777.29 72.05 77.20	
08 52 11 00-0152			Commercial And Institutional Heavy Double Hung Windows (08 52 11) Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	177.55 12.65	14.39
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	165.18 11.32	16.00
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	153.20 9.96	17.95
08 52 11 00-0156			Architectural And Historic Reproduction Wood Windows (08 52 11) Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	193.25 13.98	14.38
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	173.66 12.04	15.99
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	158.17 10.39	17.94
08 52 11 00-0160			Removal And Reinstallation Of Wood Window And Frame (08 52 11) Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	27.75	
08 52 13			Metal-Clad Wood Windows (08 52)		
08 52 13 00-0001			Double Hung Metal Clad Windows (08 52 13)		
08 52 13 00-0002			Double Hung Metal Clad Windows (08 52 13 00-0001) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003			36-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)		
08 52 13 00-0004	EA		21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	802.44 139.54	52.94
08 52 13 00-0005	EA		25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	852.62 148.66	54.67
08 52 13 00-0006	EA		29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	905.64 158.34	56.97
08 52 13 00-0007	EA		31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	933.58 163.47	58.70
08 52 13 00-0008	EA		33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	958.66 168.02	59.85
08 52 13 00-0009	EA		35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	983.75 172.58	61.00
08 52 13 00-0010	EA		37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,011.68 177.71	61.57
08 52 13 00-0011	EA		41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,061.85 186.82	63.88
08 52 13 00-0012	EA		45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,114.84 196.50	66.18
08 52 13 00-0013			40-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)		
08 52 13 00-0014	EA		21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	852.62 148.66	55.25
08 52 13 00-0015	EA		25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	905.64 158.34	56.97
08 52 13 00-0016	EA		29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	958.66 168.02	59.28
08 52 13 00-0017	EA		31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	983.75 172.58	61.00

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0018	EA	33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,011.68	62.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.71	
08 52 13 00-0019	EA	35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,036.77	63.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	182.26	
08 52 13 00-0020	EA	37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,061.85	63.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.82	
08 52 13 00-0021	EA	41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,114.84	66.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.50	
08 52 13 00-0022	EA	45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,167.87	68.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.18	
08 52 13 00-0023 44-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0024	EA	21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	905.64	57.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.34	
08 52 13 00-0025	EA	25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	958.66	59.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.02	
08 52 13 00-0026	EA	29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,011.68	61.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.71	
08 52 13 00-0027	EA	31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,036.77	63.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	182.26	
08 52 13 00-0028	EA	33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,061.85	64.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.82	
08 52 13 00-0029	EA	35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,089.77	65.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	191.94	
08 52 13 00-0030	EA	37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,114.84	66.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.50	
08 52 13 00-0031	EA	41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,167.87	68.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.18	
08 52 13 00-0032	EA	45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,220.90	70.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	215.87	
08 52 13 00-0033 48-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0034	EA	21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	958.66	59.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.02	
08 52 13 00-0035	EA	25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,011.68	61.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.71	
08 52 13 00-0036	EA	29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,061.85	63.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.82	
08 52 13 00-0037	EA	31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,089.77	65.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	191.94	
08 52 13 00-0038	EA	33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,114.84	66.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.50	
08 52 13 00-0039	EA	35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,139.94	67.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.06	
08 52 13 00-0040	EA	37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,167.87	68.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.18	
08 52 13 00-0041	EA	41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,220.90	70.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	215.87	
08 52 13 00-0042	EA	45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,271.07	73.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	224.98	
08 52 13 00-0043 52-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0044	EA	21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,011.68	62.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.71	
08 52 13 00-0045	EA	25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,061.85	63.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.82	
08 52 13 00-0046	EA	29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,114.84	66.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.50	
08 52 13 00-0047	EA	31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,139.94	67.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.06	
08 52 13 00-0048	EA	33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,167.87	69.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.18	
08 52 13 00-0049	EA	35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,192.96	70.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.74	
08 52 13 00-0050	EA	37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,220.90	70.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	215.87	
08 52 13 00-0051	EA	41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,271.07	73.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	224.98	
08 52 13 00-0052	EA	45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,324.09	75.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	234.66	
08 52 13 00-0053 56-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0054	EA	21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,061.85	64.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.82	
08 52 13 00-0055	EA	25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,114.84	66.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.50	
08 52 13 00-0056	EA	29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,167.87	68.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.18	



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0057	EA		31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,192.96	70.21
			For Tempered Low-E Insulated Glass, Add	210.74	
08 52 13 00-0058	EA		33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,220.90	71.36
			For Tempered Low-E Insulated Glass, Add	215.87	
08 52 13 00-0059	EA		35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,245.98	72.50
			For Tempered Low-E Insulated Glass, Add	220.42	
08 52 13 00-0060	EA		37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,271.07	73.09
			For Tempered Low-E Insulated Glass, Add	224.98	
08 52 13 00-0061	EA		41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,324.09	75.38
			For Tempered Low-E Insulated Glass, Add	234.66	
08 52 13 00-0062	EA		45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,377.09	77.69
			For Tempered Low-E Insulated Glass, Add	244.34	
08 52 13 00-0063 60-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)					
08 52 13 00-0064	EA		21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,114.84	66.76
			For Tempered Low-E Insulated Glass, Add	196.50	
08 52 13 00-0065	EA		25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,167.87	68.48
			For Tempered Low-E Insulated Glass, Add	206.18	
08 52 13 00-0066	EA		29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,220.90	70.78
			For Tempered Low-E Insulated Glass, Add	215.87	
08 52 13 00-0067	EA		31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,245.98	72.50
			For Tempered Low-E Insulated Glass, Add	220.42	
08 52 13 00-0068	EA		33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,271.07	73.66
			For Tempered Low-E Insulated Glass, Add	224.98	
08 52 13 00-0069	EA		35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,299.00	74.81
			For Tempered Low-E Insulated Glass, Add	230.11	
08 52 13 00-0070	EA		37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,324.09	75.38
			For Tempered Low-E Insulated Glass, Add	234.66	
08 52 13 00-0071	EA		41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,377.09	77.69
			For Tempered Low-E Insulated Glass, Add	244.34	
08 52 13 00-0072	EA		45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,427.26	79.99
			For Tempered Low-E Insulated Glass, Add	253.46	
08 52 13 00-0073 64-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)					
08 52 13 00-0074	EA		21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,167.87	69.05
			For Tempered Low-E Insulated Glass, Add	206.18	
08 52 13 00-0075	EA		25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,220.90	70.78
			For Tempered Low-E Insulated Glass, Add	215.87	
08 52 13 00-0076	EA		29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,271.07	73.09
			For Tempered Low-E Insulated Glass, Add	224.98	
08 52 13 00-0077	EA		31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,299.00	74.81
			For Tempered Low-E Insulated Glass, Add	230.11	
08 52 13 00-0078	EA		33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,324.09	75.96
			For Tempered Low-E Insulated Glass, Add	234.66	
08 52 13 00-0079	EA		35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,349.17	77.12
			For Tempered Low-E Insulated Glass, Add	239.22	
08 52 13 00-0080	EA		37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,377.09	77.69
			For Tempered Low-E Insulated Glass, Add	244.34	
08 52 13 00-0081	EA		41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,427.26	79.99
			For Tempered Low-E Insulated Glass, Add	253.46	
08 52 13 00-0082	EA		45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,480.28	82.29
			For Tempered Low-E Insulated Glass, Add	263.14	
08 52 13 00-0083 68-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)					
08 52 13 00-0084	EA		21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,220.90	71.36
			For Tempered Low-E Insulated Glass, Add	215.87	
08 52 13 00-0085	EA		25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,271.07	73.09
			For Tempered Low-E Insulated Glass, Add	224.98	
08 52 13 00-0086	EA		29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,324.09	75.38
			For Tempered Low-E Insulated Glass, Add	234.66	
08 52 13 00-0087	EA		31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,349.17	77.12
			For Tempered Low-E Insulated Glass, Add	239.22	
08 52 13 00-0088	EA		33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,377.09	78.26
			For Tempered Low-E Insulated Glass, Add	244.34	
08 52 13 00-0089	EA		35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,402.17	79.41
			For Tempered Low-E Insulated Glass, Add	248.90	
08 52 13 00-0090	EA		37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,427.26	79.99
			For Tempered Low-E Insulated Glass, Add	253.46	
08 52 13 00-0091	EA		41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,480.28	82.29
			For Tempered Low-E Insulated Glass, Add	263.14	
08 52 13 00-0092	EA		45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,533.31	84.60
			For Tempered Low-E Insulated Glass, Add	272.82	
08 52 13 00-0093 72-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)					
08 52 13 00-0094	EA		21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,271.07	73.66
			For Tempered Low-E Insulated Glass, Add	224.98	
08 52 13 00-0095	EA		25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,324.09	75.38
			For Tempered Low-E Insulated Glass, Add	234.66	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,377.09 244.34	77.69
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,402.17 248.90	79.41
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.26 253.46	80.57
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,455.19 258.58	81.72
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,480.28 263.14	82.29
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,533.31 272.82	84.60
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,586.32 282.51	86.89
08 52 13 00-0103 76-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,324.09 234.66	75.96
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,377.09 244.34	77.69
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.26 253.46	79.99
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,455.19 258.58	81.72
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,480.28 263.14	82.86
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,508.21 268.27	84.02
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,533.31 272.82	84.60
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,586.32 282.51	86.89
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,636.49 291.62	89.20
08 52 13 00-0113 84-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,105.06 389.02	80.57
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,180.86 403.26	82.29
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,256.65 417.49	84.60
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,293.13 424.33	86.32
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,332.45 431.73	87.47
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,368.94 438.57	88.62
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,405.41 445.40	89.20
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,481.21 459.64	91.50
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,557.00 473.88	93.80
08 52 13 00-0123 88-7/8" Height, Double Hung Metal Clad Windows (08 52 13 00-0002)				
08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,180.86 403.26	82.86
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,256.65 417.49	84.60
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,332.45 431.73	86.89
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,368.94 438.57	88.62
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,405.41 445.40	89.77
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,444.74 452.81	90.93
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,481.21 459.64	91.50
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,557.00 473.88	93.80
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,632.80 488.12	96.10
08 52 13 00-0133 Casement Metal Clad Windows (08 52 13)				
08 52 13 00-0134 Casement Metal Clad Windows (08 52 13 00-0133)				
Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.				



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0135			One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0134)		
08 52 13 00-0136			24-1/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0137	EA		17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	507.60 84.26	43.73
08 52 13 00-0138	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	537.20 89.49	44.89
08 52 13 00-0139	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	570.10 95.14	47.19
08 52 13 00-0140	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	600.39 100.28	49.49
08 52 13 00-0141			28-3/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0142	EA		17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	544.87 90.79	46.04
08 52 13 00-0143	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	574.47 96.02	47.19
08 52 13 00-0144	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	607.38 101.68	49.49
08 52 13 00-0145	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	623.16 103.92	51.80
08 52 13 00-0146	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	661.72 110.94	54.09
08 52 13 00-0147			35-15/16" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0148	EA		17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	611.72 102.55	49.49
08 52 13 00-0149	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	643.49 108.21	51.80
08 52 13 00-0150	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	676.42 113.88	53.52
08 52 13 00-0151	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	728.95 123.46	55.82
08 52 13 00-0152	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	779.14 132.81	57.54
08 52 13 00-0153	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	828.34 142.19	58.70
08 52 13 00-0154			40-13/16" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0155	EA		17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	656.70 110.39	52.94
08 52 13 00-0156	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	686.27 115.62	54.09
08 52 13 00-0157	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	719.20 121.28	56.40
08 52 13 00-0158	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	795.68 135.66	58.70
08 52 13 00-0159	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	848.32 145.49	61.00
08 52 13 00-0160	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	897.40 154.39	63.30
08 52 13 00-0161			48" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0162	EA		17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	720.35 121.28	57.54
08 52 13 00-0163	EA		20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	752.11 126.94	58.70
08 52 13 00-0164	EA		24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	785.04 132.61	61.00
08 52 13 00-0165	EA		28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	890.91 152.86	63.30
08 52 13 00-0166	EA		31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	931.96 160.38	65.60
08 52 13 00-0167	EA		35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	993.71 171.81	67.90
08 52 13 00-0168			52-13/16" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0169	EA		17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	764.14 129.12	59.85
08 52 13 00-0170	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	793.75 134.35	61.00
08 52 13 00-0171	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	826.68 140.01	63.30
08 52 13 00-0172	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	957.60 165.28	65.60

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0173	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,019.29 176.93	67.90
08 52 13 00-0174	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,059.31 184.01	70.21
08 52 13 00-0175 59-7/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)				
08 52 13 00-0176	EA	17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	826.68 140.01	63.30
08 52 13 00-0177	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	858.45 145.68	65.60
08 52 13 00-0178	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	891.34 151.34	67.33
08 52 13 00-0179	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,052.78 182.70	69.64
08 52 13 00-0180	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.26 190.71	71.36
08 52 13 00-0181	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,154.46 201.43	73.66
08 52 13 00-0182 64-13/16" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)				
08 52 13 00-0183	EA	17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	871.61 147.85	66.76
08 52 13 00-0184	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	901.22 153.08	67.90
08 52 13 00-0185	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	934.14 158.75	70.21
08 52 13 00-0186	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,119.51 194.90	72.50
08 52 13 00-0187	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,159.91 202.29	74.81
08 52 13 00-0188	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,221.23 213.63	77.12
08 52 13 00-0189 71-7/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)				
08 52 13 00-0190	EA	17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	934.14 158.75	70.21
08 52 13 00-0191	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	965.88 164.40	72.50
08 52 13 00-0192	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	998.81 170.07	74.24
08 52 13 00-0193	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,214.69 212.32	76.54
08 52 13 00-0194	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.45 221.58	78.26
08 52 13 00-0195	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,316.41 231.06	80.57
08 52 13 00-0196 Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0134)				
08 52 13 00-0197 24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)				
08 52 13 00-0198	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	919.46 161.33	56.40
08 52 13 00-0199	EA	48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,046.61 184.92	61.00
08 52 13 00-0200	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,194.27 212.61	65.60
08 52 13 00-0201 28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)				
08 52 13 00-0202	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	993.17 175.16	58.70
08 52 13 00-0203	EA	48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,120.33 198.74	63.30
08 52 13 00-0204	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,267.98 226.43	67.90
08 52 13 00-0205 35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)				
08 52 13 00-0206	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	983.90 173.30	58.70
08 52 13 00-0207	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,113.94 197.70	63.30
08 52 13 00-0208	EA	48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,249.47 222.96	67.90
08 52 13 00-0209	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,406.77 252.58	71.93



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0210	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,511.96	75.38
			For Tempered Low-E Insulated Glass, Add	272.24	
08 52 13 00-0211	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,687.59	80.57
			For Tempered Low-E Insulated Glass, Add	305.29	
08 52 13 00-0212 40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		
08 52 13 00-0213	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.61	61.57
			For Tempered Low-E Insulated Glass, Add	190.29	
08 52 13 00-0214	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,204.63	65.60
			For Tempered Low-E Insulated Glass, Add	214.68	
08 52 13 00-0215	EA		48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,340.15	70.21
			For Tempered Low-E Insulated Glass, Add	239.95	
08 52 13 00-0216	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,497.49	74.81
			For Tempered Low-E Insulated Glass, Add	269.57	
08 52 13 00-0217	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,614.23	78.26
			For Tempered Low-E Insulated Glass, Add	291.54	
08 52 13 00-0218	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,111.53	83.44
			For Tempered Low-E Insulated Glass, Add	388.93	
08 52 13 00-0219 48" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		
08 52 13 00-0220	EA		33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,207.96	66.18
			For Tempered Low-E Insulated Glass, Add	215.12	
08 52 13 00-0221	EA		40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,340.15	70.21
			For Tempered Low-E Insulated Glass, Add	239.95	
08 52 13 00-0222	EA		48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,475.71	74.81
			For Tempered Low-E Insulated Glass, Add	265.22	
08 52 13 00-0223	EA		56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,633.02	79.41
			For Tempered Low-E Insulated Glass, Add	294.84	
08 52 13 00-0224	EA		62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,744.74	82.86
			For Tempered Low-E Insulated Glass, Add	315.80	
08 52 13 00-0225	EA		71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,913.81	88.05
			For Tempered Low-E Insulated Glass, Add	347.54	
08 52 13 00-0226 52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		
08 52 13 00-0227	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,297.50	68.48
			For Tempered Low-E Insulated Glass, Add	232.11	
08 52 13 00-0228	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,427.54	72.50
			For Tempered Low-E Insulated Glass, Add	256.50	
08 52 13 00-0229	EA		48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,546.90	77.12
			For Tempered Low-E Insulated Glass, Add	278.54	
08 52 13 00-0230	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,720.38	81.72
			For Tempered Low-E Insulated Glass, Add	311.39	
08 52 13 00-0231	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,837.55	85.17
			For Tempered Low-E Insulated Glass, Add	333.44	
08 52 13 00-0232	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,003.36	90.34
			For Tempered Low-E Insulated Glass, Add	364.53	
08 52 13 00-0233 59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		
08 52 13 00-0234	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,429.71	72.50
			For Tempered Low-E Insulated Glass, Add	256.94	
08 52 13 00-0235	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,559.72	77.12
			For Tempered Low-E Insulated Glass, Add	281.33	
08 52 13 00-0236	EA		48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,695.28	81.72
			For Tempered Low-E Insulated Glass, Add	306.60	
08 52 13 00-0237	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,852.59	85.74
			For Tempered Low-E Insulated Glass, Add	336.22	
08 52 13 00-0238	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,969.75	89.20
			For Tempered Low-E Insulated Glass, Add	358.27	
08 52 13 00-0239	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,133.40	94.38
			For Tempered Low-E Insulated Glass, Add	388.93	
08 52 13 00-0240 64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		
08 52 13 00-0241	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,520.39	75.38
			For Tempered Low-E Insulated Glass, Add	273.92	
08 52 13 00-0242	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,650.43	79.41
			For Tempered Low-E Insulated Glass, Add	298.32	
08 52 13 00-0243	EA		48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,788.12	84.02
			For Tempered Low-E Insulated Glass, Add	324.02	
08 52 13 00-0244	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,945.46	88.62
			For Tempered Low-E Insulated Glass, Add	353.64	
08 52 13 00-0245 71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows					
			(08 52 13 00-0196)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0246 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,652.60 298.75	79.41
08 52 13 00-0247 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,782.63 323.15	84.02
08 52 13 00-0248 EA 48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,918.18 348.42	88.62
08 52 13 00-0249 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,075.48 378.04	92.65
08 52 13 00-0250 One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0134)		
08 52 13 00-0251 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0252 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,466.01 263.51	74.24
08 52 13 00-0253 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,707.71 308.86	81.72
08 52 13 00-0254 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0255 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,556.90 280.77	76.54
08 52 13 00-0256 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,782.43 322.88	84.02
08 52 13 00-0257 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0258 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,497.92 269.66	74.81
08 52 13 00-0259 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,691.93 306.16	80.57
08 52 13 00-0260 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,931.25 351.03	88.62
08 52 13 00-0261 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0262 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,584.19 285.76	78.26
08 52 13 00-0263 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,784.80 323.58	83.44
08 52 13 00-0264 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,021.92 368.02	90.93
08 52 13 00-0265 48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0266 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,918.18 348.42	88.05
08 52 13 00-0267 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,155.29 392.85	95.53
08 52 13 00-0268 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0269 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,007.73 365.41	90.34
08 52 13 00-0270 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,244.85 409.84	97.83
08 52 13 00-0271 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0272	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,137.74	94.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	389.80	
08 52 13 00-0273	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,377.05	102.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	434.67	
08 52 13 00-0274			Awning Metal Clad Windows (08 52 13)		
08 52 13 00-0275			Awning Metal Clad Windows (08 52 13 00-0274) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276			Venting, Awning Metal Clad Windows (08 52 13 00-0275)		
08 52 13 00-0277			17" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0278	EA		24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	549.35	47.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.99	
08 52 13 00-0279	EA		28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	588.78	49.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.96	
08 52 13 00-0280	EA		31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	621.20	51.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.75	
08 52 13 00-0281	EA		35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	662.18	53.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.03	
08 52 13 00-0282	EA		40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	709.32	56.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.31	
08 52 13 00-0283	EA		48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	781.68	61.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	131.94	
08 52 13 00-0284	EA		52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	827.68	63.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.21	
08 52 13 00-0285	EA		59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	894.54	67.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.98	
08 52 13 00-0286	EA		64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.92	70.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.70	
08 52 13 00-0287	EA		71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	985.06	74.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.32	
08 52 13 00-0288			20-1/2" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0289	EA		24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	580.00	49.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.43	
08 52 13 00-0290	EA		28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	622.74	51.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.06	
08 52 13 00-0291	EA		31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	650.51	52.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.92	
08 52 13 00-0292	EA		35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	696.12	55.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.13	
08 52 13 00-0293	EA		40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	743.27	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.40	
08 52 13 00-0294	EA		48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	813.45	62.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.60	
08 52 13 00-0295	EA		52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	859.45	65.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.88	
08 52 13 00-0296	EA		59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	928.48	69.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.07	
08 52 13 00-0297	EA		64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	950.34	72.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.30	
08 52 13 00-0298	EA		71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.62	75.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.34	
08 52 13 00-0299	EA		84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,586.71	84.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	283.97	
08 52 13 00-0300			24-1/8" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0301	EA		24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	618.37	51.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.19	
08 52 13 00-0302	EA		28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	657.84	54.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.16	
08 52 13 00-0303	EA		31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	822.28	55.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	142.36	
08 52 13 00-0304	EA		35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	879.34	57.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.85	
08 52 13 00-0305	EA		40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	778.36	61.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	131.50	
08 52 13 00-0306	EA		48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	850.74	65.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.14	
08 52 13 00-0307	EA		52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	896.71	67.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.41	
08 52 13 00-0308	EA		59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	965.76	71.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.61	
08 52 13 00-0309	EA		64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	985.06	74.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.32	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0310	EA	71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.09	78.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	178.91	
08 52 13 00-0311	EA	84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,670.74	86.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	299.85	
08 52 13 00-0312		28-3/8" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0313	EA	24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	616.45	54.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.88	
08 52 13 00-0314	EA	28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	813.26	56.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.32	
08 52 13 00-0315	EA	31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	861.52	57.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.29	
08 52 13 00-0316	EA	35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	790.28	59.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.12	
08 52 13 00-0317	EA	40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	863.55	63.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.62	
08 52 13 00-0318	EA	48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	970.76	67.33
		<i>For Tempered Low-E Insulated Glass, Add</i>	167.22	
08 52 13 00-0319	EA	52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,040.71	70.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.29	
08 52 13 00-0320	EA	59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,146.78	73.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	199.89	
08 52 13 00-0321	EA	64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.34	77.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.45	
08 52 13 00-0322	EA	71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,288.01	80.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	225.38	
08 52 13 00-0323	EA	84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,716.15	88.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	308.01	
08 52 13 00-0324		31-1/2" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0325	EA	28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	716.97	57.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.38	
08 52 13 00-0326	EA	31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	759.21	59.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.13	
08 52 13 00-0327	EA	35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	817.39	61.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	138.85	
08 52 13 00-0328	EA	40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	882.24	64.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	150.67	
08 52 13 00-0329	EA	48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	976.44	69.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	167.67	
08 52 13 00-0330	EA	52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,041.99	71.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.86	
08 52 13 00-0331	EA	59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,135.00	75.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.85	
08 52 13 00-0332	EA	64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,199.89	78.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	208.67	
08 52 13 00-0333	EA	71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,294.74	82.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	226.03	
08 52 13 00-0334	EA	84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,831.91	89.77
		<i>For Tempered Low-E Insulated Glass, Add</i>	330.47	
08 52 13 00-0335		35-15/16" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0336	EA	31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	817.39	61.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	138.85	
08 52 13 00-0337	EA	35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	900.70	63.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	154.59	
08 52 13 00-0338	EA	40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	973.98	66.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.09	
08 52 13 00-0339	EA	48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,081.18	71.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	187.69	
08 52 13 00-0340	EA	52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,153.29	73.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.20	
08 52 13 00-0341	EA	59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,257.20	78.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	220.36	
08 52 13 00-0342	EA	64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,092.33	80.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.24	
08 52 13 00-0343	EA	71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,173.49	84.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.86	
08 52 13 00-0344		40-3/4" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0345	EA	35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	955.14	66.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	165.48	
08 52 13 00-0346	EA	40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,087.72	71.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	189.00	
08 52 13 00-0347		48" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0348	EA	35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,146.52	71.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.76	



Openings			08
Windows			08 50
Wood Windows			08 52

08

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
08 52 13 00-0349	EA	40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,272.07	74.81
		For Tempered Low-E Insulated Glass, Add	224.72	
08 52 13 00-0350	EA	48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,455.52	78.84
		For Tempered Low-E Insulated Glass, Add	259.57	
08 52 13 00-0351		59-13/16" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0352	EA	35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,424.45	77.69
		For Tempered Low-E Insulated Glass, Add	253.81	
08 52 13 00-0353	EA	40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,534.22	80.57
		For Tempered Low-E Insulated Glass, Add	274.62	
08 52 13 00-0354		71-7/8" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0355	EA	24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,560.82	78.26
		For Tempered Low-E Insulated Glass, Add	280.86	
08 52 13 00-0356	EA	35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,613.19	84.60
		For Tempered Low-E Insulated Glass, Add	288.80	
08 52 13 00-0357	EA	40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,788.17	87.47
		For Tempered Low-E Insulated Glass, Add	322.65	
08 52 13 00-0358	EA	48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,966.18	92.08
		For Tempered Low-E Insulated Glass, Add	356.41	
08 52 13 00-0359		Stationary, Awning Metal Clad Windows (08 52 13 00-0275)		
08 52 13 00-0360		17" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0361	EA	24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	481.81	47.19
		For Tempered Low-E Insulated Glass, Add	77.49	
08 52 13 00-0362	EA	28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	519.09	49.49
		For Tempered Low-E Insulated Glass, Add	84.02	
08 52 13 00-0363	EA	31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	543.59	51.21
		For Tempered Low-E Insulated Glass, Add	88.23	
08 52 13 00-0364	EA	35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	583.79	53.52
		For Tempered Low-E Insulated Glass, Add	95.35	
08 52 13 00-0365	EA	40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	626.56	56.40
		For Tempered Low-E Insulated Glass, Add	102.75	
08 52 13 00-0366	EA	48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	692.38	61.00
		For Tempered Low-E Insulated Glass, Add	114.08	
08 52 13 00-0367	EA	52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	731.85	63.30
		For Tempered Low-E Insulated Glass, Add	121.05	
08 52 13 00-0368	EA	59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	794.34	67.90
		For Tempered Low-E Insulated Glass, Add	131.94	
08 52 13 00-0369	EA	64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	837.12	70.21
		For Tempered Low-E Insulated Glass, Add	139.34	
08 52 13 00-0370	EA	71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	899.64	74.24
		For Tempered Low-E Insulated Glass, Add	150.23	
08 52 13 00-0371		20-1/2" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0372	EA	24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	511.40	49.49
		For Tempered Low-E Insulated Glass, Add	82.71	
08 52 13 00-0373	EA	28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	548.66	51.80
		For Tempered Low-E Insulated Glass, Add	89.25	
08 52 13 00-0374	EA	31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	571.08	52.94
		For Tempered Low-E Insulated Glass, Add	93.04	
08 52 13 00-0375	EA	35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	615.53	55.25
		For Tempered Low-E Insulated Glass, Add	101.01	
08 52 13 00-0376	EA	40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	658.32	58.70
		For Tempered Low-E Insulated Glass, Add	108.41	
08 52 13 00-0377	EA	48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	721.98	62.73
		For Tempered Low-E Insulated Glass, Add	119.31	
08 52 13 00-0378	EA	52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	763.62	65.60
		For Tempered Low-E Insulated Glass, Add	126.71	
08 52 13 00-0379	EA	59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	823.94	69.05
		For Tempered Low-E Insulated Glass, Add	137.17	
08 52 13 00-0380	EA	64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	868.88	72.50
		For Tempered Low-E Insulated Glass, Add	145.00	
08 52 13 00-0381	EA	71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	929.21	75.96
		For Tempered Low-E Insulated Glass, Add	155.46	
08 52 13 00-0382		24-1/8" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0383	EA	24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	544.32	51.80
		For Tempered Low-E Insulated Glass, Add	88.38	
08 52 13 00-0384	EA	28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	581.59	54.09
		For Tempered Low-E Insulated Glass, Add	94.91	
08 52 13 00-0385	EA	31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	601.53	55.25
		For Tempered Low-E Insulated Glass, Add	98.21	
08 52 13 00-0386	EA	35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	646.28	57.54
		For Tempered Low-E Insulated Glass, Add	106.24	
08 52 13 00-0387	EA	40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	689.06	61.00
		For Tempered Low-E Insulated Glass, Add	113.64	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0388 EA 48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	752.71	65.02
For Tempered Low-E Insulated Glass, Add	124.53	
08 52 13 00-0389 EA 52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	794.34	67.90
For Tempered Low-E Insulated Glass, Add	131.94	
08 52 13 00-0390 EA 59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	856.86	71.36
For Tempered Low-E Insulated Glass, Add	142.83	
08 52 13 00-0391 EA 64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	899.64	74.81
For Tempered Low-E Insulated Glass, Add	150.23	
08 52 13 00-0392 EA 71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	962.14	78.26
For Tempered Low-E Insulated Glass, Add	161.12	
08 52 13 00-0393 28-3/8" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0394 EA 24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	546.76	54.09
For Tempered Low-E Insulated Glass, Add	87.94	
08 52 13 00-0395 EA 28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	597.10	56.40
For Tempered Low-E Insulated Glass, Add	97.09	
08 52 13 00-0396 EA 31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	624.61	57.54
For Tempered Low-E Insulated Glass, Add	101.90	
08 52 13 00-0397 EA 35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	650.89	59.85
For Tempered Low-E Insulated Glass, Add	106.24	
08 52 13 00-0398 EA 40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	745.93	63.30
For Tempered Low-E Insulated Glass, Add	124.10	
08 52 13 00-0399 EA 48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	831.37	67.33
For Tempered Low-E Insulated Glass, Add	139.34	
08 52 13 00-0400 EA 52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	888.26	70.21
For Tempered Low-E Insulated Glass, Add	149.80	
08 52 13 00-0401 EA 59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	972.53	73.66
For Tempered Low-E Insulated Glass, Add	165.04	
08 52 13 00-0402 EA 64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,032.73	77.12
For Tempered Low-E Insulated Glass, Add	175.93	
08 52 13 00-0403 EA 71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,117.04	80.57
For Tempered Low-E Insulated Glass, Add	191.18	
08 52 13 00-0404 31-1/2" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0405 EA 28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	624.61	57.54
For Tempered Low-E Insulated Glass, Add	101.90	
08 52 13 00-0406 EA 31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	659.47	59.28
For Tempered Low-E Insulated Glass, Add	108.19	
08 52 13 00-0407 EA 35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	706.55	61.57
For Tempered Low-E Insulated Glass, Add	116.68	
08 52 13 00-0408 EA 40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	760.34	64.45
For Tempered Low-E Insulated Glass, Add	126.29	
08 52 13 00-0409 EA 48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	837.88	69.05
For Tempered Low-E Insulated Glass, Add	139.95	
08 52 13 00-0410 EA 52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	890.52	71.36
For Tempered Low-E Insulated Glass, Add	149.56	
08 52 13 00-0411 EA 59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	966.91	75.96
For Tempered Low-E Insulated Glass, Add	163.23	
08 52 13 00-0412 EA 64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.86	78.26
For Tempered Low-E Insulated Glass, Add	172.47	
08 52 13 00-0413 EA 71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,095.27	82.29
For Tempered Low-E Insulated Glass, Add	186.14	
08 52 13 00-0414 35-15/16" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0415 EA 31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	706.55	61.57
For Tempered Low-E Insulated Glass, Add	116.68	
08 52 13 00-0416 EA 35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	776.55	63.88
For Tempered Low-E Insulated Glass, Add	129.76	
08 52 13 00-0417 EA 40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	834.58	66.76
For Tempered Low-E Insulated Glass, Add	140.21	
08 52 13 00-0418 EA 48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	922.20	71.36
For Tempered Low-E Insulated Glass, Add	155.90	
08 52 13 00-0419 EA 52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	979.07	73.66
For Tempered Low-E Insulated Glass, Add	166.35	
08 52 13 00-0420 EA 59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,063.36	78.26
For Tempered Low-E Insulated Glass, Add	181.60	
08 52 13 00-0421 EA 64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,121.38	80.57
For Tempered Low-E Insulated Glass, Add	192.05	
08 52 13 00-0422 EA 71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,205.69	84.60
For Tempered Low-E Insulated Glass, Add	207.30	
08 52 13 00-0423 Horizontal Sliding Metal Clad Windows (08 52 13)		
08 52 13 00-0424 One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0423)		
Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0425 17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)		



Openings			08
Windows			08 50
Wood Windows			08 52

08

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
08 52 13 00-0426	EA 47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	679.98 111.83		61.00	
08 52 13 00-0427	23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0428	EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	624.68 102.15		56.40	
08 52 13 00-0429	EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	732.56 120.96		64.45	
08 52 13 00-0430	35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0431	EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	732.56 120.96		64.45	
08 52 13 00-0432	EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	840.47 139.78		71.36	
08 52 13 00-0433	EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	948.35 158.59		77.69	
08 52 13 00-0434	EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,056.26 177.41		84.60	
08 52 13 00-0435	41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0436	EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	787.86 130.64		67.90	
08 52 13 00-0437	EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	893.05 148.92		74.81	
08 52 13 00-0438	EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,000.96 167.74		81.14	
08 52 13 00-0439	EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,202.94 205.37		88.05	
08 52 13 00-0440	47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0441	EA 35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	840.47 139.78		71.36	
08 52 13 00-0442	EA 47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	948.35 158.59		78.26	
08 52 13 00-0443	EA 59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,056.26 177.41		84.60	
08 52 13 00-0444	EA 71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,164.13 196.23		91.50	
08 52 13 00-0445	53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0446	EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,000.96 167.74		81.72	
08 52 13 00-0447	EA 59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,108.85 186.55		88.05	
08 52 13 00-0448	EA 71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,216.74 205.37		94.95	
08 52 13 00-0449	59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows (08 52 13 00-0424)				
08 52 13 00-0450	EA 47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,056.26 177.41		85.17	
08 52 13 00-0451	EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,164.13 196.23		91.50	
08 52 13 00-0452	EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,272.22 215.08		98.41	
08 52 13 00-0453	Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0423) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.				
08 52 13 00-0454	22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0453)				
08 52 13 00-0455	EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,567.89 290.79		56.40	
08 52 13 00-0456	EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') For Tempered Low-E Insulated Glass, Add	1,869.34 348.32		64.45	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0457	35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0453)			
08 52 13 00-0458	EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,893.53	64.45	
	For Tempered Low-E Insulated Glass, Add	353.16		
08 52 13 00-0459	EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,197.67	71.36	
	For Tempered Low-E Insulated Glass, Add	411.22		
08 52 13 00-0460	EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,499.09	77.69	
	For Tempered Low-E Insulated Glass, Add	468.74		
08 52 13 00-0461	EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,800.53	84.60	
	For Tempered Low-E Insulated Glass, Add	526.27		
08 52 13 00-0462	41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0453)			
08 52 13 00-0463	EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,045.59	67.90	
	For Tempered Low-E Insulated Glass, Add	382.19		
08 52 13 00-0464	EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,347.03	74.81	
	For Tempered Low-E Insulated Glass, Add	439.71		
08 52 13 00-0465	EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,651.16	81.14	
	For Tempered Low-E Insulated Glass, Add	497.78		
08 52 13 00-0466	EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,952.59	88.05	
	For Tempered Low-E Insulated Glass, Add	555.30		
08 52 13 00-0467	47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0453)			
08 52 13 00-0468	EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,197.67	71.36	
	For Tempered Low-E Insulated Glass, Add	411.22		
08 52 13 00-0469	EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,499.09	78.26	
	For Tempered Low-E Insulated Glass, Add	468.74		
08 52 13 00-0470	EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,800.53	84.60	
	For Tempered Low-E Insulated Glass, Add	526.27		
08 52 13 00-0471	EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	3,104.62	91.50	
	For Tempered Low-E Insulated Glass, Add	584.33		
08 52 13 00-0472	59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows (08 52 13 00-0453)			
08 52 13 00-0473	EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,499.09	78.26	
	For Tempered Low-E Insulated Glass, Add	468.74		
08 52 13 00-0474	EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	2,800.53	85.17	
	For Tempered Low-E Insulated Glass, Add	526.27		
08 52 13 00-0475	EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	3,104.62	91.50	
	For Tempered Low-E Insulated Glass, Add	584.33		
08 52 13 00-0476	EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	3,406.07	98.41	
	For Tempered Low-E Insulated Glass, Add	641.85		
08 52 13 00-0477	Picture Metal Clad Windows (08 52 13)			
08 52 13 00-0478	Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0477)			
08 52 13 00-0479	Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0478)			
	Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 13 00-0480	12" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)			
08 52 13 00-0481	EA 40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	535.63	46.04	
	For Tempered Low-E Insulated Glass, Add	88.71		
08 52 13 00-0482	EA 48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	628.86	50.64	
	For Tempered Low-E Insulated Glass, Add	105.52		
08 52 13 00-0483	EA 52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	668.65	52.94	
	For Tempered Low-E Insulated Glass, Add	112.55		
08 52 13 00-0484	EA 59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	725.55	57.54	
	For Tempered Low-E Insulated Glass, Add	122.32		
08 52 13 00-0485	EA 64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	764.52	59.85	
	For Tempered Low-E Insulated Glass, Add	128.96		
08 52 13 00-0486	EA 71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	821.42	64.45	
	For Tempered Low-E Insulated Glass, Add	138.73		
08 52 13 00-0487	35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)			
08 52 13 00-0488	EA 35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	591.33	56.40	
	For Tempered Low-E Insulated Glass, Add	95.71		



Openings			08	08
Windows			08 50	
Wood Windows			08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0489	EA		40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	687.49	59.85
			For Tempered Low-E Insulated Glass, Add	113.79	
08 52 13 00-0490	EA		48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	829.01	63.88
			For Tempered Low-E Insulated Glass, Add	140.25	
08 52 13 00-0491	EA		52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	921.82	66.18
			For Tempered Low-E Insulated Glass, Add	157.89	
08 52 13 00-0492	EA		59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,060.00	70.21
			For Tempered Low-E Insulated Glass, Add	183.92	
08 52 13 00-0493	EA		64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,156.17	73.09
			For Tempered Low-E Insulated Glass, Add	202.00	
08 52 13 00-0494	EA		71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,735.39	77.12
			For Tempered Low-E Insulated Glass, Add	316.23	
08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)					
08 52 13 00-0496	EA		35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	687.49	59.85
			For Tempered Low-E Insulated Glass, Add	113.79	
08 52 13 00-0497	EA		40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	783.65	62.15
			For Tempered Low-E Insulated Glass, Add	131.87	
08 52 13 00-0498	EA		48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	925.18	66.76
			For Tempered Low-E Insulated Glass, Add	158.33	
08 52 13 00-0499	EA		52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,017.99	69.05
			For Tempered Low-E Insulated Glass, Add	175.98	
08 52 13 00-0500	EA		59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,156.17	73.66
			For Tempered Low-E Insulated Glass, Add	202.00	
08 52 13 00-0501	EA		64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,252.33	75.96
			For Tempered Low-E Insulated Glass, Add	220.08	
08 52 13 00-0502	EA		71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,390.51	80.57
			For Tempered Low-E Insulated Glass, Add	246.11	
08 52 13 00-0503 48" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)					
08 52 13 00-0504	EA		35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	829.01	64.45
			For Tempered Low-E Insulated Glass, Add	140.25	
08 52 13 00-0505	EA		40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	925.18	66.76
			For Tempered Low-E Insulated Glass, Add	158.33	
08 52 13 00-0506	EA		48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,066.70	71.36
			For Tempered Low-E Insulated Glass, Add	184.80	
08 52 13 00-0507	EA		52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,159.51	73.66
			For Tempered Low-E Insulated Glass, Add	202.44	
08 52 13 00-0508	EA		59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,297.70	78.26
			For Tempered Low-E Insulated Glass, Add	228.46	
08 52 13 00-0509	EA		64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,393.85	80.57
			For Tempered Low-E Insulated Glass, Add	246.54	
08 52 13 00-0510	EA		71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,532.03	85.17
			For Tempered Low-E Insulated Glass, Add	272.57	
08 52 13 00-0511 52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)					
08 52 13 00-0512	EA		35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	921.82	66.76
			For Tempered Low-E Insulated Glass, Add	157.89	
08 52 13 00-0513	EA		40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,017.99	69.05
			For Tempered Low-E Insulated Glass, Add	175.98	
08 52 13 00-0514	EA		48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,159.51	73.66
			For Tempered Low-E Insulated Glass, Add	202.44	
08 52 13 00-0515	EA		52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,252.33	75.96
			For Tempered Low-E Insulated Glass, Add	220.08	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0516	EA	59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,390.51	80.57
		For Tempered Low-E Insulated Glass, Add	246.11	
08 52 13 00-0517	EA	64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,486.67	82.86
		For Tempered Low-E Insulated Glass, Add	264.19	
08 52 13 00-0518	EA	71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,754.96	87.47
		For Tempered Low-E Insulated Glass, Add	316.23	
08 52 13 00-0519 59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)				
08 52 13 00-0520	EA	35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,060.00	70.21
		For Tempered Low-E Insulated Glass, Add	183.92	
08 52 13 00-0521	EA	40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,156.17	73.66
		For Tempered Low-E Insulated Glass, Add	202.00	
08 52 13 00-0522	EA	48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,297.70	77.69
		For Tempered Low-E Insulated Glass, Add	228.46	
08 52 13 00-0523	EA	52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,390.51	79.99
		For Tempered Low-E Insulated Glass, Add	246.11	
08 52 13 00-0524	EA	59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,528.67	84.02
		For Tempered Low-E Insulated Glass, Add	272.13	
08 52 13 00-0525	EA	64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,624.84	86.89
		For Tempered Low-E Insulated Glass, Add	290.21	
08 52 13 00-0526	EA	71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,763.01	90.93
		For Tempered Low-E Insulated Glass, Add	316.23	
08 52 13 00-0527 64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)				
08 52 13 00-0528	EA	35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,156.17	73.66
		For Tempered Low-E Insulated Glass, Add	202.00	
08 52 13 00-0529	EA	40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,252.33	75.96
		For Tempered Low-E Insulated Glass, Add	220.08	
08 52 13 00-0530	EA	48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,393.85	80.57
		For Tempered Low-E Insulated Glass, Add	246.54	
08 52 13 00-0531	EA	52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,486.67	82.86
		For Tempered Low-E Insulated Glass, Add	264.19	
08 52 13 00-0532	EA	59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,754.96	87.47
		For Tempered Low-E Insulated Glass, Add	316.23	
08 52 13 00-0533 71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows (08 52 13 00-0479)				
08 52 13 00-0534	EA	35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,294.34	77.12
		For Tempered Low-E Insulated Glass, Add	228.02	
08 52 13 00-0535	EA	40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,390.51	80.57
		For Tempered Low-E Insulated Glass, Add	246.11	
08 52 13 00-0536	EA	48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,532.03	84.60
		For Tempered Low-E Insulated Glass, Add	272.57	
08 52 13 00-0537	EA	52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,624.84	86.89
		For Tempered Low-E Insulated Glass, Add	290.21	
08 52 13 00-0538	EA	59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,763.01	90.93
		For Tempered Low-E Insulated Glass, Add	316.23	
08 52 13 00-0539 Picture Metal Clad Windows For Double Hung Windows (08 52 13 00-0477)				
08 52 13 00-0540 Picture Metal Clad Windows For Double Hung Windows (08 52 13 00-0539)				
Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.				
08 52 13 00-0541 48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52 13 00-0540)				
08 52 13 00-0542	EA	12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	863.26	54.09
		For Tempered Low-E Insulated Glass, Add	151.02	
08 52 13 00-0543	EA	37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,210.46	69.05
		For Tempered Low-E Insulated Glass, Add	214.70	



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0544	EA		41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,263.32	70.78
			For Tempered Low-E Insulated Glass, Add	224.35	
08 52 13 00-0545	EA		47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,342.59	74.24
			For Tempered Low-E Insulated Glass, Add	238.82	
08 52 13 00-0546	EA		51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,395.45	77.12
			For Tempered Low-E Insulated Glass, Add	248.48	
08 52 13 00-0547	EA		59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,503.56	81.14
			For Tempered Low-E Insulated Glass, Add	268.26	
08 52 13 00-0548	EA		67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,611.66	86.32
			For Tempered Low-E Insulated Glass, Add	288.03	
08 52 13 00-0549 52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52					
			13 00-0540)		
08 52 13 00-0550	EA		12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	918.51	56.40
			For Tempered Low-E Insulated Glass, Add	161.14	
08 52 13 00-0551	EA		37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,263.32	71.36
			For Tempered Low-E Insulated Glass, Add	224.35	
08 52 13 00-0552	EA		41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,318.57	73.09
			For Tempered Low-E Insulated Glass, Add	234.48	
08 52 13 00-0553	EA		47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,395.45	76.54
			For Tempered Low-E Insulated Glass, Add	248.48	
08 52 13 00-0554	EA		51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,450.69	79.41
			For Tempered Low-E Insulated Glass, Add	258.60	
08 52 13 00-0555	EA		59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,558.80	83.44
			For Tempered Low-E Insulated Glass, Add	278.38	
08 52 13 00-0556	EA		67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,666.94	88.62
			For Tempered Low-E Insulated Glass, Add	298.17	
08 52 13 00-0557 56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52					
			13 00-0540)		
08 52 13 00-0558	EA		12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	971.37	58.70
			For Tempered Low-E Insulated Glass, Add	170.80	
08 52 13 00-0559	EA		37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,318.57	73.66
			For Tempered Low-E Insulated Glass, Add	234.48	
08 52 13 00-0560	EA		41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,371.42	75.38
			For Tempered Low-E Insulated Glass, Add	244.13	
08 52 13 00-0561	EA		47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,450.69	78.84
			For Tempered Low-E Insulated Glass, Add	258.60	
08 52 13 00-0562	EA		51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,503.56	81.72
			For Tempered Low-E Insulated Glass, Add	268.26	
08 52 13 00-0563	EA		59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,611.66	85.74
			For Tempered Low-E Insulated Glass, Add	288.03	
08 52 13 00-0564	EA		67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,722.19	90.93
			For Tempered Low-E Insulated Glass, Add	308.30	
08 52 13 00-0565 60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52					
			13 00-0540)		
08 52 13 00-0566	EA		12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,026.65	61.00
			For Tempered Low-E Insulated Glass, Add	180.93	
08 52 13 00-0567	EA		37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,371.42	75.96
			For Tempered Low-E Insulated Glass, Add	244.13	
08 52 13 00-0568	EA		41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,426.70	77.69
			For Tempered Low-E Insulated Glass, Add	254.26	
08 52 13 00-0569	EA		47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,503.56	81.14
			For Tempered Low-E Insulated Glass, Add	268.26	
08 52 13 00-0570	EA		51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,558.80	84.02
			For Tempered Low-E Insulated Glass, Add	278.38	
08 52 13 00-0571	EA		59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,666.94	88.05
			For Tempered Low-E Insulated Glass, Add	298.17	
08 52 13 00-0572	EA		67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,775.04	93.22
			For Tempered Low-E Insulated Glass, Add	317.95	
08 52 13 00-0573 64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52					
			13 00-0540)		
08 52 13 00-0574	EA		12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,079.48	63.30
			For Tempered Low-E Insulated Glass, Add	190.57	
08 52 13 00-0575	EA		37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,426.70	78.26
			For Tempered Low-E Insulated Glass, Add	254.26	
08 52 13 00-0576	EA		41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.94	79.99
			For Tempered Low-E Insulated Glass, Add	264.39	
08 52 13 00-0577	EA		47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,558.80	83.44
			For Tempered Low-E Insulated Glass, Add	278.38	
08 52 13 00-0578	EA		51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,611.66	86.32
			For Tempered Low-E Insulated Glass, Add	288.03	
08 52 13 00-0579	EA		59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,722.19	90.34
			For Tempered Low-E Insulated Glass, Add	308.30	
08 52 13 00-0580	EA		67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,830.31	95.53
			For Tempered Low-E Insulated Glass, Add	328.08	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0581	68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52)			
	13 00-0540			
08 52 13 00-0582	EA 12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,134.75	65.60	
	For Tempered Low-E Insulated Glass, Add	200.71		
08 52 13 00-0583	EA 37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.94	80.57	
	For Tempered Low-E Insulated Glass, Add	264.39		
08 52 13 00-0584	EA 41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,534.80	82.29	
	For Tempered Low-E Insulated Glass, Add	274.04		
08 52 13 00-0585	EA 47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,611.66	85.74	
	For Tempered Low-E Insulated Glass, Add	288.03		
08 52 13 00-0586	EA 51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,666.94	88.62	
	For Tempered Low-E Insulated Glass, Add	298.17		
08 52 13 00-0587	EA 59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,775.04	92.65	
	For Tempered Low-E Insulated Glass, Add	317.95		
08 52 13 00-0588	EA 67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,883.18	97.83	
	For Tempered Low-E Insulated Glass, Add	337.73		
08 52 13 00-0589	72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52)			
	13 00-0540			
08 52 13 00-0590	EA 12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,187.61	67.90	
	For Tempered Low-E Insulated Glass, Add	210.36		
08 52 13 00-0591	EA 37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,534.80	82.86	
	For Tempered Low-E Insulated Glass, Add	274.04		
08 52 13 00-0592	EA 41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,590.08	84.60	
	For Tempered Low-E Insulated Glass, Add	284.18		
08 52 13 00-0593	EA 47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,666.94	88.05	
	For Tempered Low-E Insulated Glass, Add	298.17		
08 52 13 00-0594	EA 51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,722.19	90.93	
	For Tempered Low-E Insulated Glass, Add	308.30		
08 52 13 00-0595	EA 59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,830.31	94.95	
	For Tempered Low-E Insulated Glass, Add	328.08		
08 52 13 00-0596	EA 67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,938.42	100.13	
	For Tempered Low-E Insulated Glass, Add	347.86		
08 52 13 00-0597	76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows (08 52)			
	13 00-0540			
08 52 13 00-0598	EA 12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,242.85	70.21	
	For Tempered Low-E Insulated Glass, Add	220.49		
08 52 13 00-0599	EA 37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,590.08	85.17	
	For Tempered Low-E Insulated Glass, Add	284.18		
08 52 13 00-0600	EA 41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,642.91	86.89	
	For Tempered Low-E Insulated Glass, Add	293.82		
08 52 13 00-0601	EA 47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,722.19	90.34	
	For Tempered Low-E Insulated Glass, Add	308.30		
08 52 13 00-0602	EA 51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,775.04	93.22	
	For Tempered Low-E Insulated Glass, Add	317.95		
08 52 13 00-0603	EA 59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,883.18	97.25	
	For Tempered Low-E Insulated Glass, Add	337.73		
08 52 13 00-0604	EA 67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,991.27	102.43	
	For Tempered Low-E Insulated Glass, Add	357.51		
08 52 13 00-0605	Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0477)			
08 52 13 00-0606	Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0605)			
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 13 00-0607	35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0608	EA 56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	759.00	71.93	
	For Tempered Low-E Insulated Glass, Add	123.03		
	For Tempered Clear Insulated Glass, Add	123.03		
08 52 13 00-0609	EA 59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	779.35	73.66	
	For Tempered Low-E Insulated Glass, Add	126.41		
	For Tempered Clear Insulated Glass, Add	126.41		
08 52 13 00-0610	47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0611	EA 47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	779.35	73.66	
	For Tempered Low-E Insulated Glass, Add	126.41		
	For Tempered Clear Insulated Glass, Add	126.41		
08 52 13 00-0612	EA 71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	946.89	87.47	
	For Tempered Low-E Insulated Glass, Add	154.39		
	For Tempered Clear Insulated Glass, Add	154.39		
08 52 13 00-0613	53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 52 13 00-0614	EA 56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	885.89		82.29
	For Tempered Low-E Insulated Glass, Add	144.26		
	For Tempered Clear Insulated Glass, Add	144.26		
08 52 13 00-0615	EA 59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	906.21		84.02
	For Tempered Low-E Insulated Glass, Add	147.64		
	For Tempered Clear Insulated Glass, Add	147.64		
08 52 13 00-0616	56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0617	EA 35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	759.00		72.50
	For Tempered Low-E Insulated Glass, Add	123.03		
	For Tempered Clear Insulated Glass, Add	123.03		
08 52 13 00-0618	EA 53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	885.89		82.29
	For Tempered Low-E Insulated Glass, Add	144.26		
	For Tempered Clear Insulated Glass, Add	144.26		
08 52 13 00-0619	59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0620	EA 35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	779.35		73.66
	For Tempered Low-E Insulated Glass, Add	126.41		
	For Tempered Clear Insulated Glass, Add	126.41		
08 52 13 00-0621	EA 53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	906.21		84.02
	For Tempered Low-E Insulated Glass, Add	147.64		
	For Tempered Clear Insulated Glass, Add	147.64		
08 52 13 00-0622	EA 59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	946.89		87.47
	For Tempered Low-E Insulated Glass, Add	154.39		
	For Tempered Clear Insulated Glass, Add	154.39		
08 52 13 00-0623	EA 65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	989.98		90.93
	For Tempered Low-E Insulated Glass, Add	161.63		
	For Tempered Clear Insulated Glass, Add	161.63		
08 52 13 00-0624	65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0625	EA 59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	989.98		90.93
	For Tempered Low-E Insulated Glass, Add	161.63		
	For Tempered Clear Insulated Glass, Add	161.63		
08 52 13 00-0626	71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)			
08 52 13 00-0627	EA 47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	946.89		87.47
	For Tempered Low-E Insulated Glass, Add	154.39		
	For Tempered Clear Insulated Glass, Add	154.39		
08 52 13 00-0628	Basement Metal Clad Windows (08 52 13)			
08 52 13 00-0629	Basement Metal Clad Windows (08 52 13 00-0628)			
	Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.			
08 52 13 00-0630	EA 32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	396.72		46.04
	For Tempered Low-E Insulated Glass, Add	60.93		
08 52 13 00-0631	EA 32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	419.61		46.04
	For Tempered Low-E Insulated Glass, Add	65.51		
08 52 13 00-0632	EA 32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	439.74		46.04
	For Tempered Low-E Insulated Glass, Add	69.53		
08 52 13 00-0633	Accessories For Metal Clad Windows (08 52 13)			
08 52 13 00-0634	Insect Screens For Metal Clad Windows (08 52 13 00-0633)			
08 52 13 00-0635	EA Up To 6 SF, Insect Screen For Metal Clad Wood Windows	70.75		10.46
08 52 13 00-0636	EA >6 To 9 SF, Insect Screen For Metal Clad Wood Windows	84.99		10.46
08 52 13 00-0637	EA >9 To 12 SF, Insect Screen For Metal Clad Wood Windows	92.12		10.46
08 52 13 00-0638	EA >12 To 15 SF, Insect Screen For Metal Clad Wood Windows	106.36		10.46
08 52 13 00-0639	EA >15 To 20 SF, Insect Screen For Metal Clad Wood Windows	134.84		10.46
08 52 13 00-0640	EA >20 To 25 SF, Insect Screen For Metal Clad Wood Windows	149.09		10.46
08 52 13 00-0641	EA >25 To 30 SF, Insect Screen For Metal Clad Wood Windows	163.30		10.46
08 52 13 00-0642	EA >30 To 35 SF, Insect Screen For Metal Clad Wood Windows	177.54		10.46
08 52 13 00-0643	SF >35 SF, Insect Screen For Metal Clad Wood Windows	5.40		0.21
08 52 13 00-0644	Factory Installed Grilles For Metal Clad Windows (08 52 13 00-0633)			
08 52 13 00-0645	Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows (08 52 13 00-0644)			
08 52 13 00-0646	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	56.69		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0647	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	121.52	
08 52 13 00-0648	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	164.92	
08 52 13 00-0649	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	208.32	
08 52 13 00-0650	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	295.12	
08 52 13 00-0651 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows (08 52 13 00-0644)				
08 52 13 00-0652	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	56.69	
08 52 13 00-0653	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	121.52	
08 52 13 00-0654	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	164.92	
08 52 13 00-0655	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	208.32	
08 52 13 00-0656	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows.....	295.12	
08 52 13 00-0657 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows (08 52 13 00-0644)				
08 52 13 00-0658	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows.....	98.95	
08 52 13 00-0659	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows.....	145.82	
08 52 13 00-0660	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows.....	197.90	
08 52 13 00-0661	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows.....	249.98	
08 52 13 00-0662	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows.....	354.14	
08 52 13 00-0663 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows (08 52 13 00-0644)				
08 52 13 00-0664	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows.....	118.75	
08 52 13 00-0665	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows.....	174.98	
08 52 13 00-0666	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows.....	237.48	
08 52 13 00-0667	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows.....	299.98	
08 52 13 00-0668	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows.....	424.97	
08 52 16 Plastic-Clad Wood Windows (08 52)				
08 52 16 00-0001 Single Hung Wood Clad Windows (08 52 16)				
Note: Single Hung windows feature a movable bottom sash and stationary top sash.				
08 52 16 00-0002 Single Hung Wood Clad Windows (08 52 16 00-0001)				
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				
08 52 16 00-0003 35-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)				
08 52 16 00-0004	EA	23-1/2" x 35-1/2" Single Hung Wood Clad Window.....	368.23	52.94
		For Tempered Low-E Insulated Glass, Add	52.47	
		For Low-E Insulated Glass, Add	31.48	
		For Tempered Clear Insulated Glass, Add	52.47	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Single Hung Wood Clad Window.....	389.85	55.25
		For Tempered Low-E Insulated Glass, Add	55.87	
		For Low-E Insulated Glass, Add	33.52	
		For Tempered Clear Insulated Glass, Add	55.87	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Single Hung Wood Clad Window.....	410.05	57.54
		For Tempered Low-E Insulated Glass, Add	58.99	
		For Low-E Insulated Glass, Add	35.40	
		For Tempered Clear Insulated Glass, Add	58.99	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Single Hung Wood Clad Window.....	430.25	59.85
		For Tempered Low-E Insulated Glass, Add	62.11	
		For Low-E Insulated Glass, Add	37.27	
		For Tempered Clear Insulated Glass, Add	62.11	
08 52 16 00-0008 41-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)				
08 52 16 00-0009	EA	23-1/2" x 41-1/2" Single Hung Wood Clad Window.....	399.24	56.40
		For Tempered Low-E Insulated Glass, Add	57.29	
		For Low-E Insulated Glass, Add	34.37	
		For Tempered Clear Insulated Glass, Add	57.29	



Openings			08	08
Windows			08 50	
Wood Windows			08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	420.85 60.69 36.42 60.69	58.70
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	441.06 63.81 38.29 63.81	61.00
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	461.27 66.93 40.16 66.93	63.30
08 52 16 00-0013			47-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	430.25 62.11 37.27 62.11	59.85
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	450.45 65.23 39.14 65.23	62.15
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	472.07 68.63 41.18 68.63	64.45
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	492.28 71.75 43.05 71.75	66.76
08 52 16 00-0018			53-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	461.27 66.93 40.16 66.93	63.30
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	481.47 70.05 42.03 70.05	65.60
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	501.67 73.17 43.90 73.17	67.90
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	523.28 76.57 45.94 76.57	70.21
08 52 16 00-0023			56-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	455.86 66.08 39.65 66.08	63.30
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	476.07 69.20 41.52 69.20	65.02
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	497.68 72.60 43.56 72.60	67.90
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	517.88 75.72 45.43 75.72	70.21
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	538.08 78.84 47.31 78.84	72.50
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	558.29 81.96 49.18 81.96	74.81
08 52 16 00-0030			59-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	472.07 68.63 41.18 68.63	64.45

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Single Hung Wood Clad Window	492.28		66.76
		For Tempered Low-E Insulated Glass, Add	71.75		
		For Low-E Insulated Glass, Add	43.05		
		For Tempered Clear Insulated Glass, Add	71.75		
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Single Hung Wood Clad Window	512.48		69.05
		For Tempered Low-E Insulated Glass, Add	74.87		
		For Low-E Insulated Glass, Add	44.92		
		For Tempered Clear Insulated Glass, Add	74.87		
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Single Hung Wood Clad Window	532.68		71.36
		For Tempered Low-E Insulated Glass, Add	77.99		
		For Low-E Insulated Glass, Add	46.80		
		For Tempered Clear Insulated Glass, Add	77.99		
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Single Hung Wood Clad Window	552.87		73.66
		For Tempered Low-E Insulated Glass, Add	81.11		
		For Low-E Insulated Glass, Add	48.67		
		For Tempered Clear Insulated Glass, Add	81.11		
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Single Hung Wood Clad Window	574.50		75.96
		For Tempered Low-E Insulated Glass, Add	84.52		
		For Low-E Insulated Glass, Add	50.71		
		For Tempered Clear Insulated Glass, Add	84.52		
08 52 16 00-0037 65-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)					
08 52 16 00-0038	EA	23-1/2" x 65-1/2" Single Hung Wood Clad Window	523.28		70.21
		For Tempered Low-E Insulated Glass, Add	76.57		
		For Low-E Insulated Glass, Add	45.94		
		For Tempered Clear Insulated Glass, Add	76.57		
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Single Hung Wood Clad Window	543.49		72.50
		For Tempered Low-E Insulated Glass, Add	79.69		
		For Low-E Insulated Glass, Add	47.82		
		For Tempered Clear Insulated Glass, Add	79.69		
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Single Hung Wood Clad Window	563.69		74.81
		For Tempered Low-E Insulated Glass, Add	82.81		
		For Low-E Insulated Glass, Add	49.69		
		For Tempered Clear Insulated Glass, Add	82.81		
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Single Hung Wood Clad Window	583.89		77.12
		For Tempered Low-E Insulated Glass, Add	85.93		
		For Low-E Insulated Glass, Add	51.56		
		For Tempered Clear Insulated Glass, Add	85.93		
08 52 16 00-0042 71-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)					
08 52 16 00-0043	EA	23-1/2" x 71-1/2" Single Hung Wood Clad Window	552.87		73.66
		For Tempered Low-E Insulated Glass, Add	81.11		
		For Low-E Insulated Glass, Add	48.67		
		For Tempered Clear Insulated Glass, Add	81.11		
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Single Hung Wood Clad Window	574.50		75.96
		For Tempered Low-E Insulated Glass, Add	84.52		
		For Low-E Insulated Glass, Add	50.71		
		For Tempered Clear Insulated Glass, Add	84.52		
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Single Hung Wood Clad Window	594.71		78.26
		For Tempered Low-E Insulated Glass, Add	87.64		
		For Low-E Insulated Glass, Add	52.58		
		For Tempered Clear Insulated Glass, Add	87.64		
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Single Hung Wood Clad Window	614.91		80.57
		For Tempered Low-E Insulated Glass, Add	90.76		
		For Low-E Insulated Glass, Add	54.45		
		For Tempered Clear Insulated Glass, Add	90.76		
08 52 16 00-0047 Single Hung Wood Clad Windows (08 52 16 00-0001)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0048 36-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)					
08 52 16 00-0049	EA	21-5/8" x 36-7/8" Single Hung Wood Clad Window	452.15		52.94
		For Tempered Low-E Insulated Glass, Add	69.48		
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Single Hung Wood Clad Window	479.45		54.67
		For Tempered Low-E Insulated Glass, Add	74.02		
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Single Hung Wood Clad Window	508.16		56.97
		For Tempered Low-E Insulated Glass, Add	78.84		
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Single Hung Wood Clad Window	523.23		58.70
		For Tempered Low-E Insulated Glass, Add	81.40		
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Single Hung Wood Clad Window	536.87		59.85
		For Tempered Low-E Insulated Glass, Add	83.67		
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Single Hung Wood Clad Window	550.52		61.00
		For Tempered Low-E Insulated Glass, Add	85.93		
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Single Hung Wood Clad Window	565.58		61.57
		For Tempered Low-E Insulated Glass, Add	88.49		
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Single Hung Wood Clad Window	592.87		63.88
		For Tempered Low-E Insulated Glass, Add	93.02		
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Single Hung Wood Clad Window	621.58		66.18
		For Tempered Low-E Insulated Glass, Add	97.85		



Openings			08	08
Windows			08 50	
Wood Windows			08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0058 40-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Single Hung Wood Clad Window	479.45	55.25
For Tempered Low-E Insulated Glass, Add	74.02	
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Single Hung Wood Clad Window	508.16	56.97
For Tempered Low-E Insulated Glass, Add	78.84	
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Single Hung Wood Clad Window	536.87	59.28
For Tempered Low-E Insulated Glass, Add	83.67	
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Single Hung Wood Clad Window	550.52	61.00
For Tempered Low-E Insulated Glass, Add	85.93	
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Single Hung Wood Clad Window	565.58	62.15
For Tempered Low-E Insulated Glass, Add	88.49	
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Single Hung Wood Clad Window	579.23	63.30
For Tempered Low-E Insulated Glass, Add	90.76	
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Single Hung Wood Clad Window	592.87	63.88
For Tempered Low-E Insulated Glass, Add	93.02	
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Single Hung Wood Clad Window	621.58	66.18
For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Single Hung Wood Clad Window	650.30	68.48
For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0068 44-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Single Hung Wood Clad Window	508.16	57.54
For Tempered Low-E Insulated Glass, Add	78.84	
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Single Hung Wood Clad Window	536.87	59.28
For Tempered Low-E Insulated Glass, Add	83.67	
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Single Hung Wood Clad Window	565.58	61.57
For Tempered Low-E Insulated Glass, Add	88.49	
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Single Hung Wood Clad Window	579.23	63.30
For Tempered Low-E Insulated Glass, Add	90.76	
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Single Hung Wood Clad Window	592.87	64.45
For Tempered Low-E Insulated Glass, Add	93.02	
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Single Hung Wood Clad Window	607.94	65.60
For Tempered Low-E Insulated Glass, Add	95.58	
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Single Hung Wood Clad Window	621.58	66.18
For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Single Hung Wood Clad Window	650.30	68.48
For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Single Hung Wood Clad Window	679.01	70.78
For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0078 48-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Single Hung Wood Clad Window	536.87	59.85
For Tempered Low-E Insulated Glass, Add	83.67	
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Single Hung Wood Clad Window	565.58	61.57
For Tempered Low-E Insulated Glass, Add	88.49	
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Single Hung Wood Clad Window	592.87	63.88
For Tempered Low-E Insulated Glass, Add	93.02	
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Single Hung Wood Clad Window	607.94	65.60
For Tempered Low-E Insulated Glass, Add	95.58	
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Single Hung Wood Clad Window	621.58	66.76
For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Single Hung Wood Clad Window	635.23	67.90
For Tempered Low-E Insulated Glass, Add	100.11	
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Single Hung Wood Clad Window	650.30	68.48
For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Single Hung Wood Clad Window	679.01	70.78
For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0087 EA 45-5/8" x 48-7/8" Single Hung Wood Clad Window	706.30	73.09
For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0088 52-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0089 EA 21-5/8" x 52-7/8" Single Hung Wood Clad Window	565.58	62.15
For Tempered Low-E Insulated Glass, Add	88.49	
08 52 16 00-0090 EA 25-5/8" x 52-7/8" Single Hung Wood Clad Window	592.87	63.88
For Tempered Low-E Insulated Glass, Add	93.02	
08 52 16 00-0091 EA 29-5/8" x 52-7/8" Single Hung Wood Clad Window	621.58	66.18
For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0092 EA 31-5/8" x 52-7/8" Single Hung Wood Clad Window	635.23	67.90
For Tempered Low-E Insulated Glass, Add	100.11	
08 52 16 00-0093 EA 33-5/8" x 52-7/8" Single Hung Wood Clad Window	650.30	69.05
For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0094 EA 35-5/8" x 52-7/8" Single Hung Wood Clad Window	663.94	70.21
For Tempered Low-E Insulated Glass, Add	104.94	
08 52 16 00-0095 EA 37-5/8" x 52-7/8" Single Hung Wood Clad Window	679.01	70.78
For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0096 EA 41-5/8" x 52-7/8" Single Hung Wood Clad Window	706.30	73.09
For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0097 EA 45-5/8" x 52-7/8" Single Hung Wood Clad Window	735.01	75.38
For Tempered Low-E Insulated Glass, Add	116.85	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0098 56-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)				
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	592.87	64.45
		For Tempered Low-E Insulated Glass, Add	93.02	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	621.58	66.18
		For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	650.30	68.48
		For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	663.94	70.21
		For Tempered Low-E Insulated Glass, Add	104.94	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	679.01	71.36
		For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	692.65	72.50
		For Tempered Low-E Insulated Glass, Add	109.76	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	706.30	73.09
		For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	735.01	75.38
		For Tempered Low-E Insulated Glass, Add	116.85	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	763.73	77.69
		For Tempered Low-E Insulated Glass, Add	121.67	
08 52 16 00-0108 60-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)				
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	621.58	66.76
		For Tempered Low-E Insulated Glass, Add	97.85	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	650.30	68.48
		For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	679.01	70.78
		For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	692.65	72.50
		For Tempered Low-E Insulated Glass, Add	109.76	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	706.30	73.66
		For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	721.36	74.81
		For Tempered Low-E Insulated Glass, Add	114.58	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	735.01	75.38
		For Tempered Low-E Insulated Glass, Add	116.85	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	763.73	77.69
		For Tempered Low-E Insulated Glass, Add	121.67	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	791.01	79.99
		For Tempered Low-E Insulated Glass, Add	126.21	
08 52 16 00-0118 64-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)				
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	650.30	69.05
		For Tempered Low-E Insulated Glass, Add	102.67	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	679.01	70.78
		For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	706.30	73.09
		For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	721.36	74.81
		For Tempered Low-E Insulated Glass, Add	114.58	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	735.01	75.96
		For Tempered Low-E Insulated Glass, Add	116.85	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	748.65	77.12
		For Tempered Low-E Insulated Glass, Add	119.12	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	763.73	77.69
		For Tempered Low-E Insulated Glass, Add	121.67	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	791.01	79.99
		For Tempered Low-E Insulated Glass, Add	126.21	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	819.72	82.29
		For Tempered Low-E Insulated Glass, Add	131.03	
08 52 16 00-0128 68-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)				
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	679.01	71.36
		For Tempered Low-E Insulated Glass, Add	107.49	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	706.30	73.09
		For Tempered Low-E Insulated Glass, Add	112.03	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	735.01	75.38
		For Tempered Low-E Insulated Glass, Add	116.85	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	748.65	77.12
		For Tempered Low-E Insulated Glass, Add	119.12	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	763.73	78.26
		For Tempered Low-E Insulated Glass, Add	121.67	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	777.36	79.41
		For Tempered Low-E Insulated Glass, Add	123.94	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Single Hung Wood Clad Window	791.01	79.99
		For Tempered Low-E Insulated Glass, Add	126.21	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Single Hung Wood Clad Window	819.72	82.29
		For Tempered Low-E Insulated Glass, Add	131.03	



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	848.44 135.85	84.60
08 52 16 00-0138 72-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)					
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	706.30 112.03	73.66
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	735.01 116.85	75.38
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	763.73 121.67	77.69
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	777.36 123.94	79.41
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	791.01 126.21	80.57
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	806.08 128.76	81.72
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	819.72 131.03	82.29
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	848.44 135.85	84.60
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	877.15 140.67	86.89
08 52 16 00-0148 76-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)					
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	735.01 116.85	75.96
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	763.73 121.67	77.69
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	791.01 126.21	79.99
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	806.08 128.76	81.72
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	819.72 131.03	82.86
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	834.78 133.58	84.02
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	848.44 135.85	84.60
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	877.15 140.67	86.89
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	904.43 145.21	89.20
08 52 16 00-0158 84-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)					
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,128.49 193.70	80.57
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,168.55 200.79	82.29
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,208.61 207.88	84.60
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,227.92 211.29	86.32
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,248.66 214.97	87.47
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,267.99 218.38	88.62
08 52 16 00-0165	EA		37-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,287.29 221.78	89.20
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,327.34 228.87	91.50
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,367.41 235.96	93.80
08 52 16 00-0168 88-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)					
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,168.55 200.79	82.86
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,208.61 207.88	84.60
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,248.66 214.97	86.89
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,267.99 218.38	88.62
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,287.29 221.78	89.77
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,308.04 225.47	90.93
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Single Hung Wood Clad Window For Tempered Low-E Insulated Glass, Add	1,327.34 228.87	91.50

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	1,367.41		93.80
		For Tempered Low-E Insulated Glass, Add	235.96		
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	1,407.46		96.10
		For Tempered Low-E Insulated Glass, Add	243.05		
08 52 16 00-0178		Double Hung Wood Clad Windows (08 52 16)			
		Note: Double hung windows feature two movable sashes that operate vertically and open independently.			
08 52 16 00-0179		Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0178)			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0180		35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)			
08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	414.53		52.94
		For Low-E Insulated Glass, Add	37.04		
		For Tempered Clear Insulated Glass, Add	61.73		
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	439.15		55.25
		For Low-E Insulated Glass, Add	39.44		
		For Tempered Clear Insulated Glass, Add	65.73		
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	462.10		57.54
		For Low-E Insulated Glass, Add	41.64		
		For Tempered Clear Insulated Glass, Add	69.40		
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	485.06		59.85
		For Low-E Insulated Glass, Add	43.84		
		For Tempered Clear Insulated Glass, Add	73.07		
08 52 16 00-0185		41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)			
08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	449.79		56.40
		For Low-E Insulated Glass, Add	40.44		
		For Tempered Clear Insulated Glass, Add	67.40		
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	474.41		58.70
		For Low-E Insulated Glass, Add	42.84		
		For Tempered Clear Insulated Glass, Add	71.40		
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	497.37		61.00
		For Low-E Insulated Glass, Add	45.04		
		For Tempered Clear Insulated Glass, Add	75.07		
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	520.33		63.30
		For Low-E Insulated Glass, Add	47.25		
		For Tempered Clear Insulated Glass, Add	78.74		
08 52 16 00-0190		47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)			
08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	485.06		59.85
		For Low-E Insulated Glass, Add	43.84		
		For Tempered Clear Insulated Glass, Add	73.07		
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	508.01		62.15
		For Low-E Insulated Glass, Add	46.05		
		For Tempered Clear Insulated Glass, Add	76.74		
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	532.63		64.45
		For Low-E Insulated Glass, Add	48.45		
		For Tempered Clear Insulated Glass, Add	80.75		
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	555.59		66.76
		For Low-E Insulated Glass, Add	50.65		
		For Tempered Clear Insulated Glass, Add	84.42		
08 52 16 00-0195		53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)			
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	520.33		63.30
		For Low-E Insulated Glass, Add	47.25		
		For Tempered Clear Insulated Glass, Add	78.74		
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	543.28		65.60
		For Low-E Insulated Glass, Add	49.45		
		For Tempered Clear Insulated Glass, Add	82.41		
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	566.23		67.90
		For Low-E Insulated Glass, Add	51.65		
		For Tempered Clear Insulated Glass, Add	86.08		
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	590.85		70.21
		For Low-E Insulated Glass, Add	54.05		
		For Tempered Clear Insulated Glass, Add	90.09		
08 52 16 00-0200		56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)			
08 52 16 00-0201	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	514.16		63.30
		For Low-E Insulated Glass, Add	46.65		
		For Tempered Clear Insulated Glass, Add	77.74		



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0202	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	537.13	65.02
			For Low-E Insulated Glass, Add	48.85	
			For Tempered Clear Insulated Glass, Add	81.41	
08 52 16 00-0203	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	561.74	67.90
			For Low-E Insulated Glass, Add	51.25	
			For Tempered Clear Insulated Glass, Add	85.42	
08 52 16 00-0204	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	584.70	70.21
			For Low-E Insulated Glass, Add	53.45	
			For Tempered Clear Insulated Glass, Add	89.09	
08 52 16 00-0205	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	607.65	72.50
			For Low-E Insulated Glass, Add	55.65	
			For Tempered Clear Insulated Glass, Add	92.76	
08 52 16 00-0206	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	630.61	74.81
			For Low-E Insulated Glass, Add	57.86	
			For Tempered Clear Insulated Glass, Add	96.43	
08 52 16 00-0207			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)		
08 52 16 00-0208	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	532.63	64.45
			For Low-E Insulated Glass, Add	48.45	
			For Tempered Clear Insulated Glass, Add	80.75	
08 52 16 00-0209	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	555.59	66.76
			For Low-E Insulated Glass, Add	50.65	
			For Tempered Clear Insulated Glass, Add	84.42	
08 52 16 00-0210	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	578.54	69.05
			For Low-E Insulated Glass, Add	52.85	
			For Tempered Clear Insulated Glass, Add	88.09	
08 52 16 00-0211	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	601.49	71.36
			For Low-E Insulated Glass, Add	55.05	
			For Tempered Clear Insulated Glass, Add	91.76	
08 52 16 00-0212	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	624.44	73.66
			For Low-E Insulated Glass, Add	57.26	
			For Tempered Clear Insulated Glass, Add	95.43	
08 52 16 00-0213	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	649.07	75.96
			For Low-E Insulated Glass, Add	59.66	
			For Tempered Clear Insulated Glass, Add	99.43	
08 52 16 00-0214			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)		
08 52 16 00-0215	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	590.85	70.21
			For Low-E Insulated Glass, Add	54.05	
			For Tempered Clear Insulated Glass, Add	90.09	
08 52 16 00-0216	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	613.81	72.50
			For Low-E Insulated Glass, Add	56.25	
			For Tempered Clear Insulated Glass, Add	93.76	
08 52 16 00-0217	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	636.76	74.81
			For Low-E Insulated Glass, Add	58.46	
			For Tempered Clear Insulated Glass, Add	97.43	
08 52 16 00-0218	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	659.71	77.12
			For Low-E Insulated Glass, Add	60.66	
			For Tempered Clear Insulated Glass, Add	101.10	
08 52 16 00-0219			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0179)		
08 52 16 00-0220	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	624.44	73.66
			For Low-E Insulated Glass, Add	57.26	
			For Tempered Clear Insulated Glass, Add	95.43	
08 52 16 00-0221	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	649.07	75.96
			For Low-E Insulated Glass, Add	59.66	
			For Tempered Clear Insulated Glass, Add	99.43	
08 52 16 00-0222	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	672.03	78.26
			For Low-E Insulated Glass, Add	61.86	
			For Tempered Clear Insulated Glass, Add	103.10	
08 52 16 00-0223	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	694.99	80.57
			For Low-E Insulated Glass, Add	64.06	
			For Tempered Clear Insulated Glass, Add	106.77	
08 52 16 00-0224			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0178)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0225			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)		
08 52 16 00-0226	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	513.46	52.94
			For Tempered Low-E Insulated Glass, Add	81.75	
08 52 16 00-0227	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	544.77	54.67
			For Tempered Low-E Insulated Glass, Add	87.09	
08 52 16 00-0228	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	577.73	56.97
			For Tempered Low-E Insulated Glass, Add	92.76	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0229	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.05 95.76	58.70
08 52 16 00-0230	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.69 98.43	59.85
08 52 16 00-0231	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	626.34 101.10	61.00
08 52 16 00-0232	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.66 104.10	61.57
08 52 16 00-0233	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	63.88
08 52 16 00-0234	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.18
08 52 16 00-0235 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0236	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	544.77 87.09	55.25
08 52 16 00-0237	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 92.76	56.97
08 52 16 00-0238	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.69 98.43	59.28
08 52 16 00-0239	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	626.34 101.10	61.00
08 52 16 00-0240	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.66 104.10	62.15
08 52 16 00-0241	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	659.31 106.77	63.30
08 52 16 00-0242	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	63.88
08 52 16 00-0243	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.18
08 52 16 00-0244	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	68.48
08 52 16 00-0245 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0246	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.73 92.76	57.54
08 52 16 00-0247	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.69 98.43	59.28
08 52 16 00-0248	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.66 104.10	61.57
08 52 16 00-0249	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	659.31 106.77	63.30
08 52 16 00-0250	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	64.45
08 52 16 00-0251	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	692.28 112.44	65.60
08 52 16 00-0252	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.18
08 52 16 00-0253	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	68.48
08 52 16 00-0254	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	70.78
08 52 16 00-0255 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0256	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.69 98.43	59.85
08 52 16 00-0257	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.66 104.10	61.57
08 52 16 00-0258	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	63.88
08 52 16 00-0259	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	692.28 112.44	65.60
08 52 16 00-0260	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.76
08 52 16 00-0261	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	723.57 117.78	67.90
08 52 16 00-0262	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	68.48
08 52 16 00-0263	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	70.78
08 52 16 00-0264	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.09
08 52 16 00-0265 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0266	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.66 104.10	62.15
08 52 16 00-0267	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	63.88
08 52 16 00-0268	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.18
08 52 16 00-0269	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	723.57 117.78	67.90
08 52 16 00-0270	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	69.05
08 52 16 00-0271	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	756.53 123.45	70.21
08 52 16 00-0272	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	70.78
08 52 16 00-0273	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.09
08 52 16 00-0274	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.38
08 52 16 00-0275 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)					
08 52 16 00-0276	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.95 109.44	64.45
08 52 16 00-0277	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.18
08 52 16 00-0278	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	68.48
08 52 16 00-0279	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	756.53 123.45	70.21
08 52 16 00-0280	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	71.36
08 52 16 00-0281	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	789.49 129.13	72.50
08 52 16 00-0282	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.09
08 52 16 00-0283	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.38
08 52 16 00-0284	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	77.69
08 52 16 00-0285 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)					
08 52 16 00-0286	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.91 115.11	66.76
08 52 16 00-0287	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	68.48
08 52 16 00-0288	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	70.78
08 52 16 00-0289	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	789.49 129.13	72.50
08 52 16 00-0290	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.66
08 52 16 00-0291	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	822.46 134.80	74.81
08 52 16 00-0292	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.38
08 52 16 00-0293	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	77.69
08 52 16 00-0294	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	902.37 148.48	79.99
08 52 16 00-0295 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)					
08 52 16 00-0296	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	740.88 120.78	69.05
08 52 16 00-0297	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	70.78
08 52 16 00-0298	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.09
08 52 16 00-0299	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	822.46 134.80	74.81
08 52 16 00-0300	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.96
08 52 16 00-0301	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	853.76 140.14	77.12
08 52 16 00-0302	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	77.69
08 52 16 00-0303	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	902.37 148.48	79.99

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0304	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	935.33 154.15	82.29
08 52 16 00-0305 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0306	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	773.86 126.46	71.36
08 52 16 00-0307	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.09
08 52 16 00-0308	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.38
08 52 16 00-0309	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	853.76 140.14	77.12
08 52 16 00-0310	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	78.26
08 52 16 00-0311	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	886.72 145.81	79.41
08 52 16 00-0312	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	902.37 148.48	79.99
08 52 16 00-0313	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	935.33 154.15	82.29
08 52 16 00-0314	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	968.31 159.82	84.60
08 52 16 00-0315 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0316	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	805.15 131.80	73.66
08 52 16 00-0317	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.38
08 52 16 00-0318	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	77.69
08 52 16 00-0319	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	886.72 145.81	79.41
08 52 16 00-0320	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	902.37 148.48	80.57
08 52 16 00-0321	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	919.69 151.48	81.72
08 52 16 00-0322	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	935.33 154.15	82.29
08 52 16 00-0323	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	968.31 159.82	84.60
08 52 16 00-0324	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,001.27 165.50	86.89
08 52 16 00-0325 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0326	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	838.11 137.47	75.96
08 52 16 00-0327	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.08 143.14	77.69
08 52 16 00-0328	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	902.37 148.48	79.99
08 52 16 00-0329	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	919.69 151.48	81.72
08 52 16 00-0330	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	935.33 154.15	82.86
08 52 16 00-0331	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	952.65 157.15	84.02
08 52 16 00-0332	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	968.31 159.82	84.60
08 52 16 00-0333	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,001.27 165.50	86.89
08 52 16 00-0334	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.56 170.83	89.20
08 52 16 00-0335 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)				
08 52 16 00-0336	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,299.43 227.89	80.57
08 52 16 00-0337	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,345.74 236.23	82.29
08 52 16 00-0338	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,392.05 244.57	84.60
08 52 16 00-0339	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,414.37 248.58	86.32
08 52 16 00-0340	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.36 252.91	87.47



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0341	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,460.69 256.92	88.62
08 52 16 00-0342	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.00 260.92	89.20
08 52 16 00-0343	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,529.31 269.26	91.50
08 52 16 00-0344	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,575.63 277.61	93.80
08 52 16 00-0345 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)					
08 52 16 00-0346	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,345.74 236.23	82.86
08 52 16 00-0347	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,392.05 244.57	84.60
08 52 16 00-0348	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.36 252.91	86.89
08 52 16 00-0349	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,460.69 256.92	88.62
08 52 16 00-0350	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.00 260.92	89.77
08 52 16 00-0351	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,507.00 265.26	90.93
08 52 16 00-0352	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,529.31 269.26	91.50
08 52 16 00-0353	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,575.63 277.61	93.80
08 52 16 00-0354	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,621.93 285.95	96.10
08 52 16 00-0355 Casement Wood Clad Windows (08 52 16)					
Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.					
08 52 16 00-0356 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0355)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0357 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0356)					
08 52 16 00-0358 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)					
08 52 16 00-0359	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	451.06 72.95	43.73
08 52 16 00-0360	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	477.14 77.47	44.89
08 52 16 00-0361	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	506.27 82.38	47.19
08 52 16 00-0362	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	533.09 86.82	49.49
08 52 16 00-0363 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)					
08 52 16 00-0364	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	483.96 78.61	46.04
08 52 16 00-0365	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	510.04 83.13	47.19
08 52 16 00-0366	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	539.15 88.03	49.49
08 52 16 00-0367	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	553.44 89.97	51.80
08 52 16 00-0368	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	587.29 96.05	54.09
08 52 16 00-0369 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)					
08 52 16 00-0370	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	542.92 88.79	49.49
08 52 16 00-0371	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	570.89 93.69	51.80
08 52 16 00-0372	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	600.01 98.59	53.52
08 52 16 00-0373	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	646.10 106.89	55.82
08 52 16 00-0374	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	690.03 114.99	57.54
08 52 16 00-0375	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	732.93 123.11	58.70

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 52 16 00-0376	40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)				
08 52 16 00-0377	EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	582.62		52.94	
	For Tempered Clear Insulated Glass, Add	95.58			
08 52 16 00-0378	EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	608.69		54.09	
	For Tempered Clear Insulated Glass, Add	100.10			
08 52 16 00-0379	EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	637.82		56.40	
	For Tempered Clear Insulated Glass, Add	105.01			
08 52 16 00-0380	EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	704.65		58.70	
	For Tempered Clear Insulated Glass, Add	117.45			
08 52 16 00-0381	EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	750.69		61.00	
	For Tempered Clear Insulated Glass, Add	125.97			
08 52 16 00-0382	EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	793.79		63.30	
	For Tempered Clear Insulated Glass, Add	133.67			
08 52 16 00-0383	48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)				
08 52 16 00-0384	EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	638.97		57.54	
	For Tempered Clear Insulated Glass, Add	105.01			
08 52 16 00-0385	EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.93		58.70	
	For Tempered Clear Insulated Glass, Add	109.91			
08 52 16 00-0386	EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	696.06		61.00	
	For Tempered Clear Insulated Glass, Add	114.81			
08 52 16 00-0387	EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	788.34		63.30	
	For Tempered Clear Insulated Glass, Add	132.35			
08 52 16 00-0388	EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	824.35		65.60	
	For Tempered Clear Insulated Glass, Add	138.86			
08 52 16 00-0389	EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	878.43		67.90	
	For Tempered Clear Insulated Glass, Add	148.75			
08 52 16 00-0390	52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)				
08 52 16 00-0391	EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	677.51		59.85	
	For Tempered Clear Insulated Glass, Add	111.79			
08 52 16 00-0392	EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	703.60		61.00	
	For Tempered Clear Insulated Glass, Add	116.32			
08 52 16 00-0393	EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	732.73		63.30	
	For Tempered Clear Insulated Glass, Add	121.22			
08 52 16 00-0394	EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	846.70		65.60	
	For Tempered Clear Insulated Glass, Add	143.10			
08 52 16 00-0395	EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	900.56		67.90	
	For Tempered Clear Insulated Glass, Add	153.18			
08 52 16 00-0396	EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	935.83		70.21	
	For Tempered Clear Insulated Glass, Add	159.31			
08 52 16 00-0397	59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)				
08 52 16 00-0398	EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	732.73		63.30	
	For Tempered Clear Insulated Glass, Add	121.22			
08 52 16 00-0399	EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	760.69		65.60	
	For Tempered Clear Insulated Glass, Add	126.13			
08 52 16 00-0400	EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	789.80		67.33	
	For Tempered Clear Insulated Glass, Add	131.03			
08 52 16 00-0401	EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	930.18		69.64	
	For Tempered Clear Insulated Glass, Add	158.18			
08 52 16 00-0402	EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	968.29		71.36	
	For Tempered Clear Insulated Glass, Add	165.12			
08 52 16 00-0403	EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,019.31		73.66	
	For Tempered Clear Insulated Glass, Add	174.40			
08 52 16 00-0404	64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)				
08 52 16 00-0405	EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	772.41		66.76	
	For Tempered Clear Insulated Glass, Add	128.01			
08 52 16 00-0406	EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	798.50		67.90	
	For Tempered Clear Insulated Glass, Add	132.54			
08 52 16 00-0407	EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	827.61		70.21	
	For Tempered Clear Insulated Glass, Add	137.44			
08 52 16 00-0408	EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	988.74		72.50	
	For Tempered Clear Insulated Glass, Add	168.74			
08 52 16 00-0409	EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,024.17		74.81	
	For Tempered Clear Insulated Glass, Add	175.14			
08 52 16 00-0410	EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,077.87		77.12	
	For Tempered Clear Insulated Glass, Add	184.96			



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
08 52 16 00-0411	71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)			
08 52 16 00-0412	EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	827.61		70.21
	For Tempered Clear Insulated Glass, Add	137.44		
08 52 16 00-0413	EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	855.58		72.50
	For Tempered Clear Insulated Glass, Add	142.34		
08 52 16 00-0414	EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	884.70		74.24
	For Tempered Clear Insulated Glass, Add	147.25		
08 52 16 00-0415	EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,072.22		76.54
	For Tempered Clear Insulated Glass, Add	183.83		
08 52 16 00-0416	EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,115.78		78.26
	For Tempered Clear Insulated Glass, Add	191.85		
08 52 16 00-0417	EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,161.36		80.57
	For Tempered Clear Insulated Glass, Add	200.05		
08 52 16 00-0418	Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0356)			
08 52 16 00-0419	24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)			
08 52 16 00-0420	EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	811.20		56.40
	For Tempered Clear Insulated Glass, Add	139.68		
08 52 16 00-0421	EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	922.52		61.00
	For Tempered Clear Insulated Glass, Add	160.10		
08 52 16 00-0422	EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,051.61		65.60
	For Tempered Clear Insulated Glass, Add	184.08		
08 52 16 00-0423	28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)			
08 52 16 00-0424	EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	875.64		58.70
	For Tempered Clear Insulated Glass, Add	151.65		
08 52 16 00-0425	EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	986.97		63.30
	For Tempered Clear Insulated Glass, Add	172.07		
08 52 16 00-0426	EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,116.05		67.90
	For Tempered Clear Insulated Glass, Add	196.05		
08 52 16 00-0427	35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)			
08 52 16 00-0428	EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	867.62		58.70
	For Tempered Clear Insulated Glass, Add	150.05		
08 52 16 00-0429	EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	981.28		63.30
	For Tempered Clear Insulated Glass, Add	171.17		
08 52 16 00-0430	EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,099.86		67.90
	For Tempered Clear Insulated Glass, Add	193.04		
08 52 16 00-0431	EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,237.29		71.93
	For Tempered Clear Insulated Glass, Add	218.69		
08 52 16 00-0432	EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,329.30		75.38
	For Tempered Clear Insulated Glass, Add	235.71		
08 52 16 00-0433	EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,482.73		80.57
	For Tempered Clear Insulated Glass, Add	264.32		
08 52 16 00-0434	40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)			
08 52 16 00-0435	EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	946.92		61.57
	For Tempered Clear Insulated Glass, Add	164.75		
08 52 16 00-0436	EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,060.58		65.60
	For Tempered Clear Insulated Glass, Add	185.87		
08 52 16 00-0437	EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,179.15		70.21
	For Tempered Clear Insulated Glass, Add	207.75		
08 52 16 00-0438	EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,316.59		74.81
	For Tempered Clear Insulated Glass, Add	233.39		
08 52 16 00-0439	EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,418.60		78.26
	For Tempered Clear Insulated Glass, Add	252.41		
08 52 16 00-0440	EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,850.54		83.44
	For Tempered Clear Insulated Glass, Add	336.73		
08 52 16 00-0441	48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)			
08 52 16 00-0442	EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,063.61		66.18
	For Tempered Clear Insulated Glass, Add	186.25		
08 52 16 00-0443	EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,179.15		70.21
	For Tempered Clear Insulated Glass, Add	207.75		
08 52 16 00-0444	EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,297.74		74.81
	For Tempered Clear Insulated Glass, Add	229.62		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0445	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,435.18 255.27	79.41
08 52 16 00-0446	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,532.84 273.42	82.86
08 52 16 00-0447	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,680.62 300.90	88.05
08 52 16 00-0448		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0449	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,141.76 200.96	68.48
08 52 16 00-0450	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,255.42 222.08	72.50
08 52 16 00-0451	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,360.00 241.16	77.12
08 52 16 00-0452	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,511.43 269.60	81.72
08 52 16 00-0453	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,613.82 288.70	85.17
08 52 16 00-0454	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,758.76 315.61	90.34
08 52 16 00-0455		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0456	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,257.31 222.46	72.50
08 52 16 00-0457	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,370.96 243.58	77.12
08 52 16 00-0458	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,489.54 265.45	81.72
08 52 16 00-0459	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,626.98 291.10	85.74
08 52 16 00-0460	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,729.36 310.19	89.20
08 52 16 00-0461	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,872.41 336.73	94.38
08 52 16 00-0462		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0463	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,336.60 237.17	75.38
08 52 16 00-0464	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,450.26 258.29	79.41
08 52 16 00-0465	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,570.72 280.54	84.02
08 52 16 00-0466	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,708.16 306.18	88.62
08 52 16 00-0467		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0468	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,452.15 258.66	79.41
08 52 16 00-0469	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,565.80 279.78	84.02
08 52 16 00-0470	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,684.39 301.66	88.62
08 52 16 00-0471	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,821.82 327.30	92.65
08 52 16 00-0472		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0356)		
08 52 16 00-0473		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0474	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,289.20 228.15	74.24
08 52 16 00-0475	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,500.48 267.41	81.72
08 52 16 00-0476		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0477	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,368.50	76.54
			For Tempered Clear Insulated Glass, Add	243.09	
08 52 16 00-0478	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,565.78	84.02
			For Tempered Clear Insulated Glass, Add	279.55	
08 52 16 00-0479			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0480	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,316.98	74.81
			For Tempered Clear Insulated Glass, Add	233.47	
08 52 16 00-0481	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,486.51	80.57
			For Tempered Clear Insulated Glass, Add	265.08	
08 52 16 00-0482	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,695.71	88.62
			For Tempered Clear Insulated Glass, Add	303.92	
08 52 16 00-0483			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0484	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,392.44	78.26
			For Tempered Clear Insulated Glass, Add	247.41	
08 52 16 00-0485	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,567.68	83.44
			For Tempered Clear Insulated Glass, Add	280.16	
08 52 16 00-0486	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,774.99	90.93
			For Tempered Clear Insulated Glass, Add	318.63	
08 52 16 00-0487			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0488	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,684.39	88.05
			For Tempered Clear Insulated Glass, Add	301.66	
08 52 16 00-0489	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,891.70	95.53
			For Tempered Clear Insulated Glass, Add	340.13	
08 52 16 00-0490			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0491	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,762.53	90.34
			For Tempered Clear Insulated Glass, Add	316.37	
08 52 16 00-0492	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,969.84	97.83
			For Tempered Clear Insulated Glass, Add	354.84	
08 52 16 00-0493			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0472)		
08 52 16 00-0494	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,876.19	94.38
			For Tempered Clear Insulated Glass, Add	337.49	
08 52 16 00-0495	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,085.38	102.43
			For Tempered Clear Insulated Glass, Add	376.33	
08 52 16 00-0496			Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0355) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0496)		
08 52 16 00-0498			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0499	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	538.75	43.73
			For Tempered Low-E Insulated Glass, Add	90.49	
08 52 16 00-0500	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	570.48	44.89
			For Tempered Low-E Insulated Glass, Add	96.14	
08 52 16 00-0501	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	605.74	47.19
			For Tempered Low-E Insulated Glass, Add	102.27	
08 52 16 00-0502	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	638.12	49.49
			For Tempered Low-E Insulated Glass, Add	107.83	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 52 16 00-0503	28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)				
08 52 16 00-0504	EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	578.72		46.04	
	For Tempered Low-E Insulated Glass, Add	97.56			
08 52 16 00-0505	EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	610.45		47.19	
	For Tempered Low-E Insulated Glass, Add	103.21			
08 52 16 00-0506	EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	645.70		49.49	
	For Tempered Low-E Insulated Glass, Add	109.34			
08 52 16 00-0507	EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	662.41		51.80	
	For Tempered Low-E Insulated Glass, Add	111.77			
08 52 16 00-0508	EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	703.85		54.09	
	For Tempered Low-E Insulated Glass, Add	119.36			
08 52 16 00-0509	35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)				
08 52 16 00-0510	EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	650.41		49.49	
	For Tempered Low-E Insulated Glass, Add	110.29			
08 52 16 00-0511	EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	684.50		51.80	
	For Tempered Low-E Insulated Glass, Add	116.41			
08 52 16 00-0512	EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	719.76		53.52	
	For Tempered Low-E Insulated Glass, Add	122.54			
08 52 16 00-0513	EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	776.21		55.82	
	For Tempered Low-E Insulated Glass, Add	132.91			
08 52 16 00-0514	EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	830.27		57.54	
	For Tempered Low-E Insulated Glass, Add	143.04			
08 52 16 00-0515	EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	883.32		58.70	
	For Tempered Low-E Insulated Glass, Add	153.19			
08 52 16 00-0516	40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)				
08 52 16 00-0517	EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	698.59		52.94	
	For Tempered Low-E Insulated Glass, Add	118.77			
08 52 16 00-0518	EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	730.32		54.09	
	For Tempered Low-E Insulated Glass, Add	124.43			
08 52 16 00-0519	EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	765.58		56.40	
	For Tempered Low-E Insulated Glass, Add	130.56			
08 52 16 00-0520	EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	847.96		58.70	
	For Tempered Low-E Insulated Glass, Add	146.11			
08 52 16 00-0521	EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	904.65		61.00	
	For Tempered Low-E Insulated Glass, Add	156.76			
08 52 16 00-0522	EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	957.38		63.30	
	For Tempered Low-E Insulated Glass, Add	166.39			
08 52 16 00-0523	48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)				
08 52 16 00-0524	EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	766.73		57.54	
	For Tempered Low-E Insulated Glass, Add	130.56			
08 52 16 00-0525	EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	800.82		58.70	
	For Tempered Low-E Insulated Glass, Add	136.69			
08 52 16 00-0526	EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	836.07		61.00	
	For Tempered Low-E Insulated Glass, Add	142.81			
08 52 16 00-0527	EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	950.28		63.30	
	For Tempered Low-E Insulated Glass, Add	164.73			
08 52 16 00-0528	EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	994.43		65.60	
	For Tempered Low-E Insulated Glass, Add	172.87			
08 52 16 00-0529	EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,060.88		67.90	
	For Tempered Low-E Insulated Glass, Add	185.24			
08 52 16 00-0530	52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)				
08 52 16 00-0531	EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	813.76		59.85	
	For Tempered Low-E Insulated Glass, Add	139.04			
08 52 16 00-0532	EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	845.50		61.00	
	For Tempered Low-E Insulated Glass, Add	144.70			
08 52 16 00-0533	EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	880.76		63.30	
	For Tempered Low-E Insulated Glass, Add	150.83			
08 52 16 00-0534	EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,022.07		65.60	
	For Tempered Low-E Insulated Glass, Add	178.17			
08 52 16 00-0535	EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,088.54		67.90	
	For Tempered Low-E Insulated Glass, Add	190.78			
08 52 16 00-0536	EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,131.48		70.21	
	For Tempered Low-E Insulated Glass, Add	198.44			



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0537		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0538	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	880.76	63.30
		For Tempered Low-E Insulated Glass, Add	150.83	
08 52 16 00-0539	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	914.85	65.60
		For Tempered Low-E Insulated Glass, Add	156.96	
08 52 16 00-0540	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	950.09	67.33
		For Tempered Low-E Insulated Glass, Add	163.09	
08 52 16 00-0541	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,124.41	69.64
		For Tempered Low-E Insulated Glass, Add	197.03	
08 52 16 00-0542	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,171.18	71.36
		For Tempered Low-E Insulated Glass, Add	205.69	
08 52 16 00-0543	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,233.82	73.66
		For Tempered Low-E Insulated Glass, Add	217.30	
08 52 16 00-0544		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0545	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	928.92	66.76
		For Tempered Low-E Insulated Glass, Add	159.31	
08 52 16 00-0546	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	960.67	67.90
		For Tempered Low-E Insulated Glass, Add	164.97	
08 52 16 00-0547	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	995.91	70.21
		For Tempered Low-E Insulated Glass, Add	171.10	
08 52 16 00-0548	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,196.17	72.50
		For Tempered Low-E Insulated Glass, Add	210.23	
08 52 16 00-0549	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,239.60	74.81
		For Tempered Low-E Insulated Glass, Add	218.23	
08 52 16 00-0550	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,305.58	77.12
		For Tempered Low-E Insulated Glass, Add	230.50	
08 52 16 00-0551		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0552	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	995.91	70.21
		For Tempered Low-E Insulated Glass, Add	171.10	
08 52 16 00-0553	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,030.01	72.50
		For Tempered Low-E Insulated Glass, Add	177.23	
08 52 16 00-0554	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,065.26	74.24
		For Tempered Low-E Insulated Glass, Add	183.36	
08 52 16 00-0555	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,298.50	76.54
		For Tempered Low-E Insulated Glass, Add	229.09	
08 52 16 00-0556	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,352.09	78.26
		For Tempered Low-E Insulated Glass, Add	239.11	
08 52 16 00-0557	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,407.92	80.57
		For Tempered Low-E Insulated Glass, Add	249.36	
08 52 16 00-0558		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0496)		
08 52 16 00-0559		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0560	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	978.80	56.40
		For Tempered Low-E Insulated Glass, Add	173.20	
08 52 16 00-0561	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,115.65	61.00
		For Tempered Low-E Insulated Glass, Add	198.73	
08 52 16 00-0562	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,274.71	65.60
		For Tempered Low-E Insulated Glass, Add	228.70	
08 52 16 00-0563		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0564	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,058.20	58.70
		For Tempered Low-E Insulated Glass, Add	188.16	
08 52 16 00-0565	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,195.07	63.30
		For Tempered Low-E Insulated Glass, Add	213.69	
08 52 16 00-0566	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,354.11	67.90
		For Tempered Low-E Insulated Glass, Add	243.66	
08 52 16 00-0567		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0568	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,048.18	58.70
		For Tempered Low-E Insulated Glass, Add	186.16	
08 52 16 00-0569	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,188.24	63.30
		For Tempered Low-E Insulated Glass, Add	212.56	
08 52 16 00-0570	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,334.16	67.90
		For Tempered Low-E Insulated Glass, Add	239.90	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR			DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM			UNIT COST	UNIT COST	
08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,503.65	71.93		
		<i>For Tempered Low-E Insulated Glass, Add</i>	271.96			
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,616.93	75.38		
		<i>For Tempered Low-E Insulated Glass, Add</i>	293.23			
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,806.14	80.57		
		<i>For Tempered Low-E Insulated Glass, Add</i>	329.00			
08 52 16 00-0574 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows						
(Andersen 400 Series) (08 52 16 00-0558)						
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,145.87	61.57		
		<i>For Tempered Low-E Insulated Glass, Add</i>	204.54			
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,285.93	65.60		
		<i>For Tempered Low-E Insulated Glass, Add</i>	230.94			
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,431.84	70.21		
		<i>For Tempered Low-E Insulated Glass, Add</i>	258.29			
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,601.34	74.81		
		<i>For Tempered Low-E Insulated Glass, Add</i>	290.34			
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,727.12	78.26		
		<i>For Tempered Low-E Insulated Glass, Add</i>	314.12			
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,264.46	83.44		
		<i>For Tempered Low-E Insulated Glass, Add</i>	419.52			
08 52 16 00-0581 48" Height, Two Operating Sashes, Casement Wood Clad Windows						
(Andersen 400 Series) (08 52 16 00-0558)						
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,289.42	66.18		
		<i>For Tempered Low-E Insulated Glass, Add</i>	231.41			
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,431.84	70.21		
		<i>For Tempered Low-E Insulated Glass, Add</i>	258.29			
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,577.77	74.81		
		<i>For Tempered Low-E Insulated Glass, Add</i>	285.63			
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,747.26	79.41		
		<i>For Tempered Low-E Insulated Glass, Add</i>	317.69			
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,867.62	82.86		
		<i>For Tempered Low-E Insulated Glass, Add</i>	340.38			
08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,049.75	88.05		
		<i>For Tempered Low-E Insulated Glass, Add</i>	374.73			
08 52 16 00-0588 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows						
(Andersen 400 Series) (08 52 16 00-0558)						
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,385.96	68.48		
		<i>For Tempered Low-E Insulated Glass, Add</i>	249.80			
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,526.02	72.50		
		<i>For Tempered Low-E Insulated Glass, Add</i>	276.20			
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,657.94	77.12		
		<i>For Tempered Low-E Insulated Glass, Add</i>	300.74			
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,841.44	81.72		
		<i>For Tempered Low-E Insulated Glass, Add</i>	335.60			
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,967.70	85.17		
		<i>For Tempered Low-E Insulated Glass, Add</i>	359.47			
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,146.28	90.34		
		<i>For Tempered Low-E Insulated Glass, Add</i>	393.12			
08 52 16 00-0595 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows						
(Andersen 400 Series) (08 52 16 00-0558)						
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,528.38	72.50		
		<i>For Tempered Low-E Insulated Glass, Add</i>	276.67			
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,668.43	77.12		
		<i>For Tempered Low-E Insulated Glass, Add</i>	303.07			
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,814.36	81.72		
		<i>For Tempered Low-E Insulated Glass, Add</i>	330.42			
08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,983.85	85.74		
		<i>For Tempered Low-E Insulated Glass, Add</i>	362.47			
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,110.11	89.20		
		<i>For Tempered Low-E Insulated Glass, Add</i>	386.34			
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,286.33	94.38		
		<i>For Tempered Low-E Insulated Glass, Add</i>	419.52			
08 52 16 00-0602 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows						
(Andersen 400 Series) (08 52 16 00-0558)						
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,626.06	75.38		
		<i>For Tempered Low-E Insulated Glass, Add</i>	295.06			
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,766.12	79.41		
		<i>For Tempered Low-E Insulated Glass, Add</i>	321.46			
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,914.39	84.02		
		<i>For Tempered Low-E Insulated Glass, Add</i>	349.27			



Openings			08
Windows			08 50
Wood Windows			08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0606	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,083.89 381.33	88.62
08 52 16 00-0607			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0608	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,768.48 321.93	79.41
08 52 16 00-0609	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,908.53 348.33	84.02
08 52 16 00-0610	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,054.47 375.67	88.62
08 52 16 00-0611	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,223.95 407.73	92.65
08 52 16 00-0612			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0496)		
08 52 16 00-0613			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0614	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,570.89 284.48	74.24
08 52 16 00-0615	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,827.74 332.86	81.72
08 52 16 00-0616			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0617	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,665.36 302.46	76.54
08 52 16 00-0618	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,908.22 348.04	84.02
08 52 16 00-0619			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0620	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,601.82 290.44	74.81
08 52 16 00-0621	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,810.85 329.94	80.57
08 52 16 00-0622	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,068.61 378.50	88.62
08 52 16 00-0623			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0624	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,694.70 307.86	78.26
08 52 16 00-0625	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,910.89 348.80	83.44
08 52 16 00-0626	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,166.28 396.89	90.93
08 52 16 00-0627			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0628	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,054.47 375.67	88.05
08 52 16 00-0629	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,309.86 423.76	95.53
08 52 16 00-0630			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0631	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,150.99 394.06	90.34

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0632	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,406.39	97.83
		For Tempered Low-E Insulated Glass, Add	442.15	
08 52 16 00-0633		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0634	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,291.05	94.38
		For Tempered Low-E Insulated Glass, Add	420.46	
08 52 16 00-0635	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,548.79	102.43
		For Tempered Low-E Insulated Glass, Add	469.02	
08 52 16 00-0636		Awning Wood Clad Windows (08 52 16)		
		Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0637		Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0636)		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638		Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0637)		
08 52 16 00-0639		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0640	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	488.28	47.19
		For Tempered Clear Insulated Glass, Add	78.78	
08 52 16 00-0641	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	523.05	49.49
		For Tempered Clear Insulated Glass, Add	84.81	
08 52 16 00-0642	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	551.57	51.21
		For Tempered Clear Insulated Glass, Add	89.83	
08 52 16 00-0643	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	587.69	53.52
		For Tempered Clear Insulated Glass, Add	96.13	
08 52 16 00-0644	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	629.27	56.40
		For Tempered Clear Insulated Glass, Add	103.30	
08 52 16 00-0645	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	693.16	61.00
		For Tempered Clear Insulated Glass, Add	114.23	
08 52 16 00-0646	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	733.60	63.30
		For Tempered Clear Insulated Glass, Add	121.40	
08 52 16 00-0647	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	792.56	67.90
		For Tempered Clear Insulated Glass, Add	131.58	
08 52 16 00-0648	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	814.45	70.21
		For Tempered Clear Insulated Glass, Add	134.81	
08 52 16 00-0649	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	872.78	74.24
		For Tempered Clear Insulated Glass, Add	144.86	
08 52 16 00-0650		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0651	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	515.29	49.49
		For Tempered Clear Insulated Glass, Add	83.49	
08 52 16 00-0652	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	552.90	51.80
		For Tempered Clear Insulated Glass, Add	90.09	
08 52 16 00-0653	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	577.42	52.94
		For Tempered Clear Insulated Glass, Add	94.31	
08 52 16 00-0654	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	617.54	55.25
		For Tempered Clear Insulated Glass, Add	101.41	
08 52 16 00-0655	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	659.13	58.70
		For Tempered Clear Insulated Glass, Add	108.58	
08 52 16 00-0656	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	721.13	62.73
		For Tempered Clear Insulated Glass, Add	119.14	
08 52 16 00-0657	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	761.56	65.60
		For Tempered Clear Insulated Glass, Add	126.30	
08 52 16 00-0658	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	822.42	69.05
		For Tempered Clear Insulated Glass, Add	136.86	
08 52 16 00-0659	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	842.11	72.50
		For Tempered Clear Insulated Glass, Add	139.65	
08 52 16 00-0660	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	902.30	75.96
		For Tempered Clear Insulated Glass, Add	150.08	
08 52 16 00-0661	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,396.16	84.02
		For Tempered Clear Insulated Glass, Add	245.86	
08 52 16 00-0662		24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0663	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	549.13	51.80
		For Tempered Clear Insulated Glass, Add	89.34	
08 52 16 00-0664	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	583.91	54.09
		For Tempered Clear Insulated Glass, Add	95.37	
08 52 16 00-0665	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	607.61	55.25
		For Tempered Clear Insulated Glass, Add	99.42	
08 52 16 00-0666	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	648.54	57.54
		For Tempered Clear Insulated Glass, Add	106.69	



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0667	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	690.13	61.00
			For Tempered Clear Insulated Glass, Add	113.86	
08 52 16 00-0668	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	754.02	65.02
			For Tempered Clear Insulated Glass, Add	124.79	
08 52 16 00-0669	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	794.45	67.90
			For Tempered Clear Insulated Glass, Add	131.96	
08 52 16 00-0670	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	855.30	71.36
			For Tempered Clear Insulated Glass, Add	142.52	
08 52 16 00-0671	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	872.78	74.81
			For Tempered Clear Insulated Glass, Add	144.86	
08 52 16 00-0672	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	931.04	78.26
			For Tempered Clear Insulated Glass, Add	154.90	
08 52 16 00-0673	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,469.54	86.32
			For Tempered Clear Insulated Glass, Add	259.61	
08 52 16 00-0674 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)					
08 52 16 00-0675	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	548.09	54.09
			For Tempered Clear Insulated Glass, Add	88.21	
08 52 16 00-0676	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	601.72	56.40
			For Tempered Clear Insulated Glass, Add	98.02	
08 52 16 00-0677	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	636.20	57.54
			For Tempered Clear Insulated Glass, Add	104.22	
08 52 16 00-0678	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	700.29	59.85
			For Tempered Clear Insulated Glass, Add	116.12	
08 52 16 00-0679	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	764.50	63.30
			For Tempered Clear Insulated Glass, Add	127.81	
08 52 16 00-0680	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	858.57	67.33
			For Tempered Clear Insulated Glass, Add	144.78	
08 52 16 00-0681	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	919.74	70.21
			For Tempered Clear Insulated Glass, Add	156.10	
08 52 16 00-0682	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,012.65	73.66
			For Tempered Clear Insulated Glass, Add	173.07	
08 52 16 00-0683	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,046.81	77.12
			For Tempered Clear Insulated Glass, Add	178.75	
08 52 16 00-0684	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,136.79	80.57
			For Tempered Clear Insulated Glass, Add	195.13	
08 52 16 00-0685	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,509.48	88.62
			For Tempered Clear Insulated Glass, Add	266.68	
08 52 16 00-0686 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)					
08 52 16 00-0687	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	636.20	57.54
			For Tempered Clear Insulated Glass, Add	104.22	
08 52 16 00-0688	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	673.23	59.28
			For Tempered Clear Insulated Glass, Add	110.94	
08 52 16 00-0689	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	724.22	61.57
			For Tempered Clear Insulated Glass, Add	120.21	
08 52 16 00-0690	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	781.15	64.45
			For Tempered Clear Insulated Glass, Add	130.45	
08 52 16 00-0691	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	863.93	69.05
			For Tempered Clear Insulated Glass, Add	145.16	
08 52 16 00-0692	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	921.30	71.36
			For Tempered Clear Insulated Glass, Add	155.72	
08 52 16 00-0693	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,002.93	75.96
			For Tempered Clear Insulated Glass, Add	170.43	
08 52 16 00-0694	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,059.87	78.26
			For Tempered Clear Insulated Glass, Add	180.67	
08 52 16 00-0695	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,143.08	82.29
			For Tempered Clear Insulated Glass, Add	195.70	
08 52 16 00-0696	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,610.16	89.77
			For Tempered Clear Insulated Glass, Add	286.12	
08 52 16 00-0697 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)					
08 52 16 00-0698	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	724.22	61.57
			For Tempered Clear Insulated Glass, Add	120.21	
08 52 16 00-0699	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	796.97	63.88
			For Tempered Clear Insulated Glass, Add	133.84	
08 52 16 00-0700	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	861.19	66.76
			For Tempered Clear Insulated Glass, Add	145.54	
08 52 16 00-0701	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	955.24	71.36
			For Tempered Clear Insulated Glass, Add	162.51	
08 52 16 00-0702	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,018.30	73.66
			For Tempered Clear Insulated Glass, Add	174.20	
08 52 16 00-0703	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,109.34	78.26
			For Tempered Clear Insulated Glass, Add	190.79	
08 52 16 00-0704	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	967.36	80.57
			For Tempered Clear Insulated Glass, Add	161.25	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0705 EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,038.73 173.91	84.60
08 52 16 00-0706 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0707 EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	849.87 143.27	66.76
08 52 16 00-0708 EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	957.45 163.64	70.21
08 52 16 00-0709 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0710 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,011.82 173.82	71.36
08 52 16 00-0711 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,121.29 194.56	74.81
08 52 16 00-0712 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,281.35 224.74	78.84
08 52 16 00-0713 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0714 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,254.14 219.75	77.69
08 52 16 00-0715 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,349.95 237.76	80.57
08 52 16 00-0716 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0717 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,372.37 243.17	78.26
08 52 16 00-0718 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,419.41 250.04	84.60
08 52 16 00-0719 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,571.67 279.35	87.47
08 52 16 00-0720 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,727.04 308.58	92.08
08 52 16 00-0721 Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0637)		
08 52 16 00-0722 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)		
08 52 16 00-0723 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.83 67.09	47.19
08 52 16 00-0724 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	462.71 72.75	49.49
08 52 16 00-0725 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	484.40 76.39	51.21
08 52 16 00-0726 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	519.80 82.55	53.52
08 52 16 00-0727 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	557.61 88.96	56.40
08 52 16 00-0728 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	615.85 98.77	61.00
08 52 16 00-0729 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	650.63 104.80	63.30
08 52 16 00-0730 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	705.82 114.23	67.90
08 52 16 00-0731 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	743.63 120.64	70.21
08 52 16 00-0732 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	798.83 130.07	74.24
08 52 16 00-0733 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)		
08 52 16 00-0734 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	455.90 71.61	49.49
08 52 16 00-0735 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	488.79 77.27	51.80
08 52 16 00-0736 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	508.65 80.55	52.94
08 52 16 00-0737 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	547.76 87.45	55.25
08 52 16 00-0738 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	585.58 93.87	58.70
08 52 16 00-0739 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	641.93 103.30	62.73



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0740	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	678.59		65.60
		For Tempered Clear Insulated Glass, Add	109.71		
08 52 16 00-0741	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	731.90		69.05
		For Tempered Clear Insulated Glass, Add	118.76		
08 52 16 00-0742	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	771.59		72.50
		For Tempered Clear Insulated Glass, Add	125.55		
08 52 16 00-0743	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	824.91		75.96
		For Tempered Clear Insulated Glass, Add	134.60		
08 52 16 00-0744		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)			
08 52 16 00-0745	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	485.02		51.80
		For Tempered Clear Insulated Glass, Add	76.52		
08 52 16 00-0746	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	517.91		54.09
		For Tempered Clear Insulated Glass, Add	82.17		
08 52 16 00-0747	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	535.64		55.25
		For Tempered Clear Insulated Glass, Add	85.03		
08 52 16 00-0748	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	574.99		57.54
		For Tempered Clear Insulated Glass, Add	91.98		
08 52 16 00-0749	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	612.81		61.00
		For Tempered Clear Insulated Glass, Add	98.39		
08 52 16 00-0750	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	669.16		65.02
		For Tempered Clear Insulated Glass, Add	107.82		
08 52 16 00-0751	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	705.82		67.90
		For Tempered Clear Insulated Glass, Add	114.23		
08 52 16 00-0752	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	761.01		71.36
		For Tempered Clear Insulated Glass, Add	123.66		
08 52 16 00-0753	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	798.83		74.81
		For Tempered Clear Insulated Glass, Add	130.07		
08 52 16 00-0754	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	854.04		78.26
		For Tempered Clear Insulated Glass, Add	139.50		
08 52 16 00-0755		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)			
08 52 16 00-0756	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	487.74		54.09
		For Tempered Clear Insulated Glass, Add	76.14		
08 52 16 00-0757	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	531.94		56.40
		For Tempered Clear Insulated Glass, Add	84.06		
08 52 16 00-0758	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	556.23		57.54
		For Tempered Clear Insulated Glass, Add	88.23		
08 52 16 00-0759	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	579.60		59.85
		For Tempered Clear Insulated Glass, Add	91.98		
08 52 16 00-0760	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	662.67		63.30
		For Tempered Clear Insulated Glass, Add	107.44		
08 52 16 00-0761	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	737.88		67.33
		For Tempered Clear Insulated Glass, Add	120.64		
08 52 16 00-0762	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	787.74		70.21
		For Tempered Clear Insulated Glass, Add	129.70		
08 52 16 00-0763	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	861.79		73.66
		For Tempered Clear Insulated Glass, Add	142.90		
08 52 16 00-0764	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	914.69		77.12
		For Tempered Clear Insulated Glass, Add	152.32		
08 52 16 00-0765	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	988.75		80.57
		For Tempered Clear Insulated Glass, Add	165.52		
08 52 16 00-0766		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)			
08 52 16 00-0767	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	556.23		57.54
		For Tempered Clear Insulated Glass, Add	88.23		
08 52 16 00-0768	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	586.87		59.28
		For Tempered Clear Insulated Glass, Add	93.67		
08 52 16 00-0769	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	628.26		61.57
		For Tempered Clear Insulated Glass, Add	101.02		
08 52 16 00-0770	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	675.59		64.45
		For Tempered Clear Insulated Glass, Add	109.34		
08 52 16 00-0771	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	743.98		69.05
		For Tempered Clear Insulated Glass, Add	121.17		
08 52 16 00-0772	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	790.16		71.36
		For Tempered Clear Insulated Glass, Add	129.49		
08 52 16 00-0773	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	857.39		75.96
		For Tempered Clear Insulated Glass, Add	141.32		
08 52 16 00-0774	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	903.14		78.26
		For Tempered Clear Insulated Glass, Add	149.32		
08 52 16 00-0775	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	970.36		82.29
		For Tempered Clear Insulated Glass, Add	161.16		
08 52 16 00-0776		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)			

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0777	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	628.26 101.02	61.57
08 52 16 00-0778	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	689.48 112.35	63.88
08 52 16 00-0779	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	740.50 121.40	66.76
08 52 16 00-0780	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	817.59 134.98	71.36
08 52 16 00-0781	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	867.44 144.03	73.66
08 52 16 00-0782	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	941.51 157.23	78.26
08 52 16 00-0783	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	992.52 166.28	80.57
08 52 16 00-0784	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,066.58 179.48	84.60
08 52 16 00-0785		Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0636) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0786		Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0785)		
08 52 16 00-0787		17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	581.63 97.45	47.19
08 52 16 00-0789	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	623.94 104.99	49.49
08 52 16 00-0790	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 111.26	51.21
08 52 16 00-0791	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	702.72 119.14	53.52
08 52 16 00-0792	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	753.25 128.09	56.40
08 52 16 00-0793	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	830.82 141.76	61.00
08 52 16 00-0794	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	880.22 150.72	63.30
08 52 16 00-0795	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	951.91 163.45	67.90
08 52 16 00-0796	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	977.83 167.48	70.21
08 52 16 00-0797	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,048.73 180.05	74.24
08 52 16 00-0798		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0799	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	614.53 103.34	49.49
08 52 16 00-0800	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	660.39 111.59	51.80
08 52 16 00-0801	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	690.17 116.86	52.94
08 52 16 00-0802	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	739.17 125.74	55.25
08 52 16 00-0803	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	789.71 134.69	58.70
08 52 16 00-0804	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	864.91 147.89	62.73
08 52 16 00-0805	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	914.31 156.85	65.60
08 52 16 00-0806	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	988.36 170.05	69.05
08 52 16 00-0807	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,011.53 173.53	72.50
08 52 16 00-0808	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.76 186.57	75.96
08 52 16 00-0809	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,698.35 306.29	84.02
08 52 16 00-0810		24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0811	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	655.68 110.65	51.80
08 52 16 00-0812	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	698.00 118.19	54.09
08 52 16 00-0813	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.75 123.25	55.25
08 52 16 00-0814	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	776.77 132.34	57.54



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	827.31	61.00
			For Tempered Low-E Insulated Glass, Add	141.29	
08 52 16 00-0816	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	904.88	65.02
			For Tempered Low-E Insulated Glass, Add	154.96	
08 52 16 00-0817	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	954.27	67.90
			For Tempered Low-E Insulated Glass, Add	163.92	
08 52 16 00-0818	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,028.32	71.36
			For Tempered Low-E Insulated Glass, Add	177.12	
08 52 16 00-0819	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,048.73	74.81
			For Tempered Low-E Insulated Glass, Add	180.05	
08 52 16 00-0820	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,119.54	78.26
			For Tempered Low-E Insulated Glass, Add	192.60	
08 52 16 00-0821	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,788.92	86.32
			For Tempered Low-E Insulated Glass, Add	323.49	
08 52 16 00-0822 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0823	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	653.22	54.09
			For Tempered Low-E Insulated Glass, Add	109.24	
08 52 16 00-0824	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	719.10	56.40
			For Tempered Low-E Insulated Glass, Add	121.49	
08 52 16 00-0825	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	761.34	57.54
			For Tempered Low-E Insulated Glass, Add	129.25	
08 52 16 00-0826	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	840.31	59.85
			For Tempered Low-E Insulated Glass, Add	144.12	
08 52 16 00-0827	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	919.13	63.30
			For Tempered Low-E Insulated Glass, Add	158.74	
08 52 16 00-0828	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,034.41	67.33
			For Tempered Low-E Insulated Glass, Add	179.95	
08 52 16 00-0829	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,109.72	70.21
			For Tempered Low-E Insulated Glass, Add	194.09	
08 52 16 00-0830	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,223.85	73.66
			For Tempered Low-E Insulated Glass, Add	215.31	
08 52 16 00-0831	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,265.11	77.12
			For Tempered Low-E Insulated Glass, Add	222.41	
08 52 16 00-0832	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,580.86	80.57
			For Tempered Low-E Insulated Glass, Add	283.95	
08 52 16 00-0833	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,837.69	88.62
			For Tempered Low-E Insulated Glass, Add	332.32	
08 52 16 00-0834 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0835	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	761.34	57.54
			For Tempered Low-E Insulated Glass, Add	129.25	
08 52 16 00-0836	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	806.77	59.28
			For Tempered Low-E Insulated Glass, Add	137.65	
08 52 16 00-0837	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	869.36	61.57
			For Tempered Low-E Insulated Glass, Add	149.24	
08 52 16 00-0838	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	939.08	64.45
			For Tempered Low-E Insulated Glass, Add	162.04	
08 52 16 00-0839	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,040.25	69.05
			For Tempered Low-E Insulated Glass, Add	180.43	
08 52 16 00-0840	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,110.82	71.36
			For Tempered Low-E Insulated Glass, Add	193.62	
08 52 16 00-0841	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,210.84	75.96
			For Tempered Low-E Insulated Glass, Add	212.01	
08 52 16 00-0842	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,280.57	78.26
			For Tempered Low-E Insulated Glass, Add	224.81	
08 52 16 00-0843	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,382.58	82.29
			For Tempered Low-E Insulated Glass, Add	243.60	
08 52 16 00-0844	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,962.69	89.77
			For Tempered Low-E Insulated Glass, Add	356.63	
08 52 16 00-0845 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0846	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	869.36	61.57
			For Tempered Low-E Insulated Glass, Add	149.24	
08 52 16 00-0847	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	959.14	63.88
			For Tempered Low-E Insulated Glass, Add	166.28	
08 52 16 00-0848	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,037.97	66.76
			For Tempered Low-E Insulated Glass, Add	180.89	
08 52 16 00-0849	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,153.25	71.36
			For Tempered Low-E Insulated Glass, Add	202.11	
08 52 16 00-0850	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,230.92	73.66
			For Tempered Low-E Insulated Glass, Add	216.72	
08 52 16 00-0851	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,342.70	78.26
			For Tempered Low-E Insulated Glass, Add	237.46	
08 52 16 00-0852	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,163.79	80.57
			For Tempered Low-E Insulated Glass, Add	200.53	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0853	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.98 216.36	84.60
08 52 16 00-0854		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0855	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,018.07 178.06	66.76
08 52 16 00-0856	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,160.32 203.52	71.36
08 52 16 00-0857		48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0858	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,223.96 216.25	71.36
08 52 16 00-0859	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,359.37 242.18	74.81
08 52 16 00-0860	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,557.14 279.89	78.84
08 52 16 00-0861		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0862	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,523.70 273.66	77.69
08 52 16 00-0863	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,642.02 296.18	80.57
08 52 16 00-0864		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0865	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.20 302.93	78.26
08 52 16 00-0866	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,726.83 311.53	84.60
08 52 16 00-0867	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,915.72 348.16	87.47
08 52 16 00-0868	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,107.62 384.69	92.08
08 52 16 00-0869		Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0785)		
08 52 16 00-0870		17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0869)		
08 52 16 00-0871	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	508.55 82.83	47.19
08 52 16 00-0872	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	548.51 89.91	49.49
08 52 16 00-0873	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.76 94.47	51.21
08 52 16 00-0874	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	617.86 102.16	53.52
08 52 16 00-0875	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	663.68 110.18	56.40
08 52 16 00-0876	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	734.18 122.44	61.00
08 52 16 00-0877	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	776.50 129.98	63.30
08 52 16 00-0878	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	843.48 141.76	67.90
08 52 16 00-0879	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	889.30 149.78	70.21
08 52 16 00-0880	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	956.29 161.56	74.24
08 52 16 00-0881		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0869)		
08 52 16 00-0882	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	540.29 88.49	49.49
08 52 16 00-0883	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	580.25 95.56	51.80
08 52 16 00-0884	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	604.21 99.66	52.94
08 52 16 00-0885	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	651.95 108.29	55.25
08 52 16 00-0886	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	697.78 116.31	58.70
08 52 16 00-0887	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	765.91 128.09	62.73



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0888	EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	810.59 136.11		65.60
08 52 16 00-0889	EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	875.22 147.42		69.05
08 52 16 00-0890	EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	923.39 155.91		72.50
08 52 16 00-0891	EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	988.03 167.22		75.96
08 52 16 00-0892 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0889)				
08 52 16 00-0893	EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	575.53 94.62		51.80
08 52 16 00-0894	EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	615.50 101.69		54.09
08 52 16 00-0895	EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	636.79 105.26		55.25
08 52 16 00-0896	EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	684.84 113.95		57.54
08 52 16 00-0897	EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	730.67 121.96		61.00
08 52 16 00-0898	EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	798.81 133.75		65.02
08 52 16 00-0899	EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	843.48 141.76		67.90
08 52 16 00-0900	EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	910.46 153.55		71.36
08 52 16 00-0901	EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	956.29 161.56		74.81
08 52 16 00-0902	EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,023.28 173.35		78.26
08 52 16 00-0903 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0889)				
08 52 16 00-0904	EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	577.79 94.15		54.09
08 52 16 00-0905	EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	631.89 104.05		56.40
08 52 16 00-0906	EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	661.38 109.26		57.54
08 52 16 00-0907	EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	689.45 113.95		59.85
08 52 16 00-0908	EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	791.84 133.28		63.30
08 52 16 00-0909	EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	883.55 149.78		67.33
08 52 16 00-0910	EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	944.72 161.09		70.21
08 52 16 00-0911	EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,035.27 177.59		73.66
08 52 16 00-0912	EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,099.96 189.38		77.12
08 52 16 00-0913	EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,190.52 205.88		80.57
08 52 16 00-0914 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0889)				
08 52 16 00-0915	EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) For Tempered Low-E Insulated Glass, Add	661.38 109.26		57.54
08 52 16 00-0916	EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	698.82 116.06		59.28
08 52 16 00-0917	EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	749.41 125.25		61.57
08 52 16 00-0918	EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	807.14 135.65		64.45
08 52 16 00-0919	EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	890.31 150.44		69.05
08 52 16 00-0920	EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	946.89 160.84		71.36
08 52 16 00-0921	EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,028.92 175.63		75.96
08 52 16 00-0922	EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,084.66 185.63		78.26
08 52 16 00-0923	EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,166.67 200.42		82.29
08 52 16 00-0924 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0889)				

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0925	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	749.41 125.25	61.57
08 52 16 00-0926	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	824.78 139.41	63.88
08 52 16 00-0927	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	887.12 150.72	66.76
08 52 16 00-0928	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	981.17 167.69	71.36
08 52 16 00-0929	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,042.35 179.01	73.66
08 52 16 00-0930	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,132.92 195.51	78.26
08 52 16 00-0931	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,195.24 206.82	80.57
08 52 16 00-0932	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,285.80 223.32	84.60
08 52 16 00-0933		Horizontal Sliding Wood Clad Windows (08 52 16) Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0934		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0933) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0936	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	604.93 96.82	61.00
08 52 16 00-0937		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0938	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	556.13 88.44	56.40
08 52 16 00-0939	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	651.40 104.73	64.45
08 52 16 00-0940		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0941	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	651.40 104.73	64.45
08 52 16 00-0942	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	746.67 121.02	71.36
08 52 16 00-0943	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	841.94 137.31	77.69
08 52 16 00-0944	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	937.21 153.60	84.60
08 52 16 00-0945		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0946	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	700.20 113.11	67.90
08 52 16 00-0947	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	793.14 128.93	74.81
08 52 16 00-0948	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	888.41 145.23	81.14
08 52 16 00-0949	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,065.14 177.81	88.05
08 52 16 00-0950		47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0951	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	746.67 121.02	71.36
08 52 16 00-0952	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	841.94 137.31	78.26
08 52 16 00-0953	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	937.21 153.60	84.60
08 52 16 00-0954	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,032.46 169.89	91.50
08 52 16 00-0955		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0956	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	888.41 145.23	81.72



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0957	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	983.68 161.52	88.05
08 52 16 00-0958	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,078.94 177.81	94.95
08 52 16 00-0959		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0960	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	937.21 153.60	85.17
08 52 16 00-0961	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,032.46 169.89	91.50
08 52 16 00-0962	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,127.91 186.22	98.41
08 52 16 00-0963		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0933) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0963)		
08 52 16 00-0965	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,372.78 251.77	56.40
08 52 16 00-0966	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,635.62 301.57	64.45
08 52 16 00-0967		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0963)		
08 52 16 00-0968	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,656.56 305.76	64.45
08 52 16 00-0969	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,921.73 356.03	71.36
08 52 16 00-0970	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,184.57 405.84	77.69
08 52 16 00-0971	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,447.40 455.64	84.60
08 52 16 00-0972		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0963)		
08 52 16 00-0973	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,789.15 330.90	67.90
08 52 16 00-0974	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,051.98 380.70	74.81
08 52 16 00-0975	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,317.14 430.97	81.14
08 52 16 00-0976	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,579.99 480.78	88.05
08 52 16 00-0977		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0963)		
08 52 16 00-0978	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,921.73 356.03	71.36
08 52 16 00-0979	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,184.57 405.84	78.26
08 52 16 00-0980	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,447.40 455.64	84.60
08 52 16 00-0981	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,712.55 505.91	91.50
08 52 16 00-0982		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0963)		
08 52 16 00-0983	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,184.57 405.84	78.26
08 52 16 00-0984	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,447.40 455.64	85.17
08 52 16 00-0985	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,712.55 505.91	91.50
08 52 16 00-0986	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,975.39 555.72	98.41
08 52 16 00-0987		Picture Wood Clad Windows (08 52 16) Note: Picture windows are fixed windows.		
08 52 16 00-0988		Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0987)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 52 16 00-0989	Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				
08 52 16 00-0990	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)				
08 52 16 00-0991	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	476.12		46.04	
	For Tempered Clear Insulated Glass, Add	76.81			
08 52 16 00-0992	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	558.06		50.64	
	For Tempered Clear Insulated Glass, Add	91.36			
08 52 16 00-0993	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	593.12		52.94	
	For Tempered Clear Insulated Glass, Add	97.45			
08 52 16 00-0994	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	643.47		57.54	
	For Tempered Clear Insulated Glass, Add	105.91			
08 52 16 00-0995	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	677.99		59.85	
	For Tempered Clear Insulated Glass, Add	111.66			
08 52 16 00-0996	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	728.33		64.45	
	For Tempered Clear Insulated Glass, Add	120.12			
08 52 16 00-0997	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)				
08 52 16 00-0998	EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	527.11		56.40	
	For Tempered Clear Insulated Glass, Add	82.86			
08 52 16 00-0999	EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	611.14		59.85	
	For Tempered Clear Insulated Glass, Add	98.52			
08 52 16 00-1000	EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	734.91		63.88	
	For Tempered Clear Insulated Glass, Add	121.43			
08 52 16 00-1001	EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	815.88		66.18	
	For Tempered Clear Insulated Glass, Add	136.71			
08 52 16 00-1002	EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	936.59		70.21	
	For Tempered Clear Insulated Glass, Add	159.24			
08 52 16 00-1003	EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,020.63		73.09	
	For Tempered Clear Insulated Glass, Add	174.89			
08 52 16 00-1004	EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,523.19		77.12	
	For Tempered Clear Insulated Glass, Add	273.79			
08 52 16 00-1005	40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)				
08 52 16 00-1006	EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	611.14		59.85	
	For Tempered Clear Insulated Glass, Add	98.52			
08 52 16 00-1007	EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	695.18		62.15	
	For Tempered Clear Insulated Glass, Add	114.18			
08 52 16 00-1008	EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	818.95		66.76	
	For Tempered Clear Insulated Glass, Add	137.09			
08 52 16 00-1009	EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	899.92		69.05	
	For Tempered Clear Insulated Glass, Add	152.36			
08 52 16 00-1010	EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,020.63		73.66	
	For Tempered Clear Insulated Glass, Add	174.89			
08 52 16 00-1011	EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,104.66		75.96	
	For Tempered Clear Insulated Glass, Add	190.55			
08 52 16 00-1012	EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,225.37		80.57	
	For Tempered Clear Insulated Glass, Add	213.08			
08 52 16 00-1013	48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)				
08 52 16 00-1014	EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	734.91		64.45	
	For Tempered Clear Insulated Glass, Add	121.43			
08 52 16 00-1015	EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	818.95		66.76	
	For Tempered Clear Insulated Glass, Add	137.09			
08 52 16 00-1016	EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	942.71		71.36	
	For Tempered Clear Insulated Glass, Add	160.00			
08 52 16 00-1017	EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,023.68		73.66	
	For Tempered Clear Insulated Glass, Add	175.27			
08 52 16 00-1018	EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,144.40		78.26	
	For Tempered Clear Insulated Glass, Add	197.80			
08 52 16 00-1019	EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,228.43		80.57	
	For Tempered Clear Insulated Glass, Add	213.46			
08 52 16 00-1020	EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,349.14		85.17	
	For Tempered Clear Insulated Glass, Add	235.99			
08 52 16 00-1021	52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)				
08 52 16 00-1022	EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	815.88		66.76	
	For Tempered Clear Insulated Glass, Add	136.71			
08 52 16 00-1023	EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	899.92		69.05	
	For Tempered Clear Insulated Glass, Add	152.36			



		Openings	08
		Windows	08 50
		Wood Windows	08 52

08

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-1024	EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,023.68 175.27	73.66	
08 52 16 00-1025	EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,104.66 190.55	75.96	
08 52 16 00-1026	EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,225.37 213.08	80.57	
08 52 16 00-1027	EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,309.41 228.73	82.86	
08 52 16 00-1028	EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,542.76 273.79	87.47	
08 52 16 00-1029	59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)			
08 52 16 00-1030	EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	936.59 159.24	70.21	
08 52 16 00-1031	EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,020.63 174.89	73.66	
08 52 16 00-1032	EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,144.40 197.80	77.69	
08 52 16 00-1033	EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,225.37 213.08	79.99	
08 52 16 00-1034	EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,346.07 235.61	84.02	
08 52 16 00-1035	EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,430.11 251.26	86.89	
08 52 16 00-1036	EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,550.81 273.79	90.93	
08 52 16 00-1037	64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)			
08 52 16 00-1038	EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,020.63 174.89	73.66	
08 52 16 00-1039	EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,104.66 190.55	75.96	
08 52 16 00-1040	EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,228.43 213.46	80.57	
08 52 16 00-1041	EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,309.41 228.73	82.86	
08 52 16 00-1042	EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,542.76 273.79	87.47	
08 52 16 00-1043	71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)			
08 52 16 00-1044	EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,141.33 197.42	77.12	
08 52 16 00-1045	EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,225.37 213.08	80.57	
08 52 16 00-1046	EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,349.14 235.99	84.60	
08 52 16 00-1047	EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,430.11 251.26	86.89	
08 52 16 00-1048	EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,550.81 273.79	90.93	
08 52 16 00-1049	Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0988) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-1050	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)			
08 52 16 00-1051	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	566.20 94.82	46.04	
08 52 16 00-1052	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	665.21 112.79	50.64	
08 52 16 00-1053	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	707.41 120.30	52.94	
08 52 16 00-1054	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	767.68 130.75	57.54	
08 52 16 00-1055	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	808.95 137.85	59.85	
08 52 16 00-1056	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	869.21 148.29	64.45	
08 52 16 00-1057	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)			

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	624.29 102.30	56.40
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	726.69 121.63	59.85
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	877.33 149.92	63.88
08 52 16 00-1061	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	976.21 168.77	66.18
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,123.35 196.59	70.21
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,225.75 215.92	73.09
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,844.31 338.02	77.12
08 52 16 00-1065 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)				
08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	726.69 121.63	59.85
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	829.09 140.96	62.15
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	979.73 169.24	66.76
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,078.62 188.10	69.05
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,225.75 215.92	73.66
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,328.14 235.24	75.96
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,475.28 263.06	80.57
08 52 16 00-1073 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)				
08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	877.33 149.92	64.45
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	979.73 169.24	66.76
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,130.36 197.53	71.36
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,229.25 216.39	73.66
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,376.39 244.20	78.26
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,478.78 263.53	80.57
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,625.92 291.35	85.17
08 52 16 00-1081 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)				
08 52 16 00-1082	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	976.21 168.77	66.76
08 52 16 00-1083	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,078.62 188.10	69.05
08 52 16 00-1084	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,229.25 216.39	73.66
08 52 16 00-1085	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,328.14 235.24	75.96
08 52 16 00-1086	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,475.28 263.06	80.57
08 52 16 00-1087	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,577.68 282.39	82.86
08 52 16 00-1088	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,863.88 338.02	87.47
08 52 16 00-1089 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)				
08 52 16 00-1090	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,123.35 196.59	70.21
08 52 16 00-1091	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,225.75 215.92	73.66
08 52 16 00-1092	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,376.39 244.20	77.69
08 52 16 00-1093	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,475.28 263.06	79.99
08 52 16 00-1094	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,622.40 290.87	84.02



Openings		08	08
Windows		08 50	
Wood Windows		08 52	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1095	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,724.80 310.20	86.89
08 52 16 00-1096	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,871.93 338.02	90.93
08 52 16 00-1097		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1098	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,225.75 215.92	73.66
08 52 16 00-1099	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,328.14 235.24	75.96
08 52 16 00-1100	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,478.78 263.53	80.57
08 52 16 00-1101	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,577.68 282.39	82.86
08 52 16 00-1102	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,863.88 338.02	87.47
08 52 16 00-1103		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1104	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,372.87 243.73	77.12
08 52 16 00-1105	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,475.28 263.06	80.57
08 52 16 00-1106	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,625.92 291.35	84.60
08 52 16 00-1107	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,724.80 310.20	86.89
08 52 16 00-1108	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,871.93 338.02	90.93
08 52 16 00-1109		Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0987)		
08 52 16 00-1110		Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1109) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1111		35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1112	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	676.46 106.52	71.93
08 52 16 00-1113	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1114		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1115	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1116	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1117		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1118	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	789.08 124.90	82.29
08 52 16 00-1119	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	807.15 127.82	84.02
08 52 16 00-1120		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1121	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	676.46 106.52	72.50
08 52 16 00-1122	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	789.08 124.90	82.29
08 52 16 00-1123		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1124	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1125	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	807.15 127.82	84.02

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1126	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1127	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	881.53 139.94	90.93
08 52 16 00-1128		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1129	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	881.53 139.94	90.93
08 52 16 00-1130		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)		
08 52 16 00-1131	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1132		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1109) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)		
08 52 16 00-1134	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	761.92 130.75	54.09
08 52 16 00-1135	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,066.40 185.89	69.05
08 52 16 00-1136	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,112.78 194.24	70.78
08 52 16 00-1137	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,182.34 206.77	74.24
08 52 16 00-1138	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,228.71 215.13	77.12
08 52 16 00-1139	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,323.56 232.26	81.14
08 52 16 00-1140	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.40 249.38	86.32
08 52 16 00-1141		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)		
08 52 16 00-1142	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	810.39 139.52	56.40
08 52 16 00-1143	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,112.78 194.24	71.36
08 52 16 00-1144	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,161.24 203.01	73.09
08 52 16 00-1145	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,228.71 215.13	76.54
08 52 16 00-1146	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,277.17 223.90	79.41
08 52 16 00-1147	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,372.02 241.03	83.44
08 52 16 00-1148	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,466.87 258.15	88.62
08 52 16 00-1149		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)		
08 52 16 00-1150	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	856.76 147.87	58.70
08 52 16 00-1151	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,161.24 203.01	73.66
08 52 16 00-1152	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,207.61 211.37	75.38
08 52 16 00-1153	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,277.17 223.90	78.84
08 52 16 00-1154	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,323.56 232.26	81.72
08 52 16 00-1155	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.40 249.38	85.74
08 52 16 00-1156	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,515.33 266.93	90.93
08 52 16 00-1157		60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)		
08 52 16 00-1158	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	905.23 156.65	61.00



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-1159	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,207.61		75.96
		For Tempered Low-E Insulated Glass, Add	211.37		
08 52 16 00-1160	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,256.09		77.69
		For Tempered Low-E Insulated Glass, Add	220.14		
08 52 16 00-1161	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,323.56		81.14
		For Tempered Low-E Insulated Glass, Add	232.26		
08 52 16 00-1162	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,372.02		84.02
		For Tempered Low-E Insulated Glass, Add	241.03		
08 52 16 00-1163	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,466.87		88.05
		For Tempered Low-E Insulated Glass, Add	258.15		
08 52 16 00-1164	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,561.70		93.22
		For Tempered Low-E Insulated Glass, Add	275.28		
08 52 16 00-1165		64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)			
08 52 16 00-1166	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	951.62		63.30
		For Tempered Low-E Insulated Glass, Add	165.00		
08 52 16 00-1167	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,256.09		78.26
		For Tempered Low-E Insulated Glass, Add	220.14		
08 52 16 00-1168	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,304.55		79.99
		For Tempered Low-E Insulated Glass, Add	228.91		
08 52 16 00-1169	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,372.02		83.44
		For Tempered Low-E Insulated Glass, Add	241.03		
08 52 16 00-1170	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.40		86.32
		For Tempered Low-E Insulated Glass, Add	249.38		
08 52 16 00-1171	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,515.33		90.34
		For Tempered Low-E Insulated Glass, Add	266.93		
08 52 16 00-1172	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,610.16		95.53
		For Tempered Low-E Insulated Glass, Add	284.05		
08 52 16 00-1173		68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)			
08 52 16 00-1174	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,000.08		65.60
		For Tempered Low-E Insulated Glass, Add	173.77		
08 52 16 00-1175	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,304.55		80.57
		For Tempered Low-E Insulated Glass, Add	228.91		
08 52 16 00-1176	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,350.92		82.29
		For Tempered Low-E Insulated Glass, Add	237.27		
08 52 16 00-1177	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.40		85.74
		For Tempered Low-E Insulated Glass, Add	249.38		
08 52 16 00-1178	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,466.87		88.62
		For Tempered Low-E Insulated Glass, Add	258.15		
08 52 16 00-1179	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,561.70		92.65
		For Tempered Low-E Insulated Glass, Add	275.28		
08 52 16 00-1180	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,656.55		97.83
		For Tempered Low-E Insulated Glass, Add	292.41		
08 52 16 00-1181		72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)			
08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,046.45		67.90
		For Tempered Low-E Insulated Glass, Add	182.13		
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,350.92		82.86
		For Tempered Low-E Insulated Glass, Add	237.27		
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,399.39		84.60
		For Tempered Low-E Insulated Glass, Add	246.04		
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,466.87		88.05
		For Tempered Low-E Insulated Glass, Add	258.15		
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,515.33		90.93
		For Tempered Low-E Insulated Glass, Add	266.93		
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,610.16		94.95
		For Tempered Low-E Insulated Glass, Add	284.05		
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,705.01		100.13
		For Tempered Low-E Insulated Glass, Add	301.18		
08 52 16 00-1189		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)			
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,094.91		70.21
		For Tempered Low-E Insulated Glass, Add	190.90		
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,399.39		85.17
		For Tempered Low-E Insulated Glass, Add	246.04		
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,445.76		86.89
		For Tempered Low-E Insulated Glass, Add	254.39		
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,515.33		90.34
		For Tempered Low-E Insulated Glass, Add	266.93		
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,561.70		93.22
		For Tempered Low-E Insulated Glass, Add	275.28		
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,656.55		97.25
		For Tempered Low-E Insulated Glass, Add	292.41		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,751.38 309.53	102.43
08 52 16 00-1197		Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0987)		
08 52 16 00-1198		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1197) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1199		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	676.46 106.52	71.93
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1202		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1205		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	789.08 124.90	82.29
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	807.15 127.82	84.02
08 52 16 00-1208		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	676.46 106.52	72.50
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	789.08 124.90	82.29
08 52 16 00-1211		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.53 109.44	73.66
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	807.15 127.82	84.02
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	881.53 139.94	90.93
08 52 16 00-1216		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	881.53 139.94	90.93
08 52 16 00-1218		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)		
08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.30 133.67	87.47
08 52 16 00-1220		Basement Wood Clad Windows (08 52 16) Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1220) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	355.84	46.04
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	375.66	46.04
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	393.08	46.04
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows (08 52 16)		



		Openings	08	08
		Windows	08 50	
		Wood Windows	08 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1226		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)		
08 52 16 00-1227	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.54	
08 52 16 00-1228	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	75.95	
08 52 16 00-1229	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.08	
08 52 16 00-1230	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	130.20	
08 52 16 00-1231	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	184.45	
08 52 16 00-1232		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)		
08 52 16 00-1233	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.46	
08 52 16 00-1234	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	121.52	
08 52 16 00-1235	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	164.92	
08 52 16 00-1236	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	208.32	
08 52 16 00-1237	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	295.12	
08 52 16 00-1238		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)		
08 52 16 00-1239	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	98.95	
08 52 16 00-1240	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	145.82	
08 52 16 00-1241	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	197.90	
08 52 16 00-1242	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	249.98	
08 52 16 00-1243	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	354.14	
08 52 16 00-1244		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)		
08 52 16 00-1245	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	118.75	
08 52 16 00-1246	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	174.98	
08 52 16 00-1247	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	237.48	
08 52 16 00-1248	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	299.98	
08 52 16 00-1249	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	424.97	
08 52 66		Wood Window Screens (08 52)		
08 52 66 00-0001		Insect Screens For Wood Clad Windows (08 52 66)		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	50.12	10.46
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	58.46	10.46
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	62.63	10.46
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	70.97	10.46
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	87.65	10.46
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	95.99	10.46
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	104.34	10.46
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	112.68	10.46
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.38	0.21
08 53		Plastic Windows (08 50)		
08 53 13		Vinyl Windows (08 53)		
08 53 13 00-0001		Single Hung Vinyl Windows (08 53 13)		
08 53 13 00-0002		New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003		34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.28	52.94
		For Colored Vinyl, Add	32.34	
		For Tinted Glass, Add	38.81	
		For Low-E Insulated Glass, Add	80.85	
		For Obscure Glass, Add	88.93	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	451.90	55.25
			For Colored Vinyl, Add	34.14	
			For Tinted Glass, Add	40.97	
			For Low-E Insulated Glass, Add	85.35	
			For Obscure Glass, Add	93.89	
08 53 13 00-0006	EA		30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	461.16	56.40
			For Colored Vinyl, Add	34.84	
			For Tinted Glass, Add	41.80	
			For Low-E Insulated Glass, Add	87.09	
			For Obscure Glass, Add	95.80	
08 53 13 00-0007	EA		32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.33	57.54
			For Colored Vinyl, Add	35.62	
			For Tinted Glass, Add	42.75	
			For Low-E Insulated Glass, Add	89.06	
			For Obscure Glass, Add	97.97	
08 53 13 00-0008	EA		36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.97	59.85
			For Colored Vinyl, Add	37.83	
			For Tinted Glass, Add	45.39	
			For Low-E Insulated Glass, Add	94.57	
			For Obscure Glass, Add	104.02	
08 53 13 00-0009	EA		44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	540.48	64.45
			For Colored Vinyl, Add	41.16	
			For Tinted Glass, Add	49.39	
			For Low-E Insulated Glass, Add	102.90	
			For Obscure Glass, Add	113.18	
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	437.91	54.09
			For Colored Vinyl, Add	32.97	
			For Tinted Glass, Add	39.57	
			For Low-E Insulated Glass, Add	82.43	
			For Obscure Glass, Add	90.68	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	460.55	55.25
			For Colored Vinyl, Add	34.78	
			For Tinted Glass, Add	41.73	
			For Low-E Insulated Glass, Add	86.94	
			For Obscure Glass, Add	95.63	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	469.80	57.54
			For Colored Vinyl, Add	35.47	
			For Tinted Glass, Add	42.57	
			For Low-E Insulated Glass, Add	88.68	
			For Obscure Glass, Add	97.55	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	479.97	58.70
			For Colored Vinyl, Add	36.26	
			For Tinted Glass, Add	43.51	
			For Low-E Insulated Glass, Add	90.65	
			For Obscure Glass, Add	99.71	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	506.62	61.00
			For Colored Vinyl, Add	38.46	
			For Tinted Glass, Add	46.15	
			For Low-E Insulated Glass, Add	96.16	
			For Obscure Glass, Add	105.77	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	549.14	65.60
			For Colored Vinyl, Add	41.79	
			For Tinted Glass, Add	50.15	
			For Low-E Insulated Glass, Add	104.48	
			For Obscure Glass, Add	114.93	
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	446.26	55.25
			For Colored Vinyl, Add	33.58	
			For Tinted Glass, Add	40.29	
			For Low-E Insulated Glass, Add	83.94	
			For Obscure Glass, Add	92.34	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	468.89	57.54
			For Colored Vinyl, Add	35.38	
			For Tinted Glass, Add	42.46	
			For Low-E Insulated Glass, Add	88.45	
			For Obscure Glass, Add	97.30	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	478.55	58.70
			For Colored Vinyl, Add	36.12	
			For Tinted Glass, Add	43.34	
			For Low-E Insulated Glass, Add	90.29	
			For Obscure Glass, Add	99.32	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	488.73	59.85
			For Colored Vinyl, Add	36.90	
			For Tinted Glass, Add	44.28	
			For Low-E Insulated Glass, Add	92.26	
			For Obscure Glass, Add	101.48	



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.83	62.15
			For Colored Vinyl, Add	39.15	
			For Tinted Glass, Add	46.98	
			For Low-E Insulated Glass, Add	97.88	
			For Obscure Glass, Add	107.67	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	558.95	66.76
			For Colored Vinyl, Add	42.54	
			For Tinted Glass, Add	51.05	
			For Low-E Insulated Glass, Add	106.36	
			For Obscure Glass, Add	117.00	
08 53 13 00-0024			44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.85	58.70
			For Colored Vinyl, Add	35.45	
			For Tinted Glass, Add	42.54	
			For Low-E Insulated Glass, Add	88.62	
			For Obscure Glass, Add	97.48	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	494.48	61.00
			For Colored Vinyl, Add	37.25	
			For Tinted Glass, Add	44.70	
			For Low-E Insulated Glass, Add	93.12	
			For Obscure Glass, Add	102.43	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	505.47	62.15
			For Colored Vinyl, Add	38.12	
			For Tinted Glass, Add	45.74	
			For Low-E Insulated Glass, Add	95.29	
			For Obscure Glass, Add	104.82	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.65	63.30
			For Colored Vinyl, Add	38.90	
			For Tinted Glass, Add	46.68	
			For Low-E Insulated Glass, Add	97.26	
			For Obscure Glass, Add	106.99	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	544.06	65.60
			For Colored Vinyl, Add	41.29	
			For Tinted Glass, Add	49.54	
			For Low-E Insulated Glass, Add	103.21	
			For Obscure Glass, Add	113.53	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.85	70.21
			For Colored Vinyl, Add	44.84	
			For Tinted Glass, Add	53.81	
			For Low-E Insulated Glass, Add	112.11	
			For Obscure Glass, Add	123.32	
08 53 13 00-0031			46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.51	59.85
			For Colored Vinyl, Add	36.08	
			For Tinted Glass, Add	43.30	
			For Low-E Insulated Glass, Add	90.20	
			For Obscure Glass, Add	99.22	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	503.13	62.15
			For Colored Vinyl, Add	37.88	
			For Tinted Glass, Add	45.46	
			For Low-E Insulated Glass, Add	94.71	
			For Obscure Glass, Add	104.18	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	514.53	63.30
			For Colored Vinyl, Add	38.79	
			For Tinted Glass, Add	46.55	
			For Low-E Insulated Glass, Add	96.98	
			For Obscure Glass, Add	106.68	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	524.69	64.45
			For Colored Vinyl, Add	39.58	
			For Tinted Glass, Add	47.49	
			For Low-E Insulated Glass, Add	98.95	
			For Obscure Glass, Add	108.84	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	553.52	66.76
			For Colored Vinyl, Add	42.00	
			For Tinted Glass, Add	50.40	
			For Low-E Insulated Glass, Add	105.00	
			For Obscure Glass, Add	115.50	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	598.92	71.36
			For Colored Vinyl, Add	45.62	
			For Tinted Glass, Add	54.75	
			For Low-E Insulated Glass, Add	114.05	
			For Obscure Glass, Add	125.46	
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.25	61.00
		For Colored Vinyl, Add	36.73	
		For Tinted Glass, Add	44.07	
		For Low-E Insulated Glass, Add	91.81	
		For Obscure Glass, Add	100.99	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.89	63.30
		For Colored Vinyl, Add	38.53	
		For Tinted Glass, Add	46.23	
		For Low-E Insulated Glass, Add	96.32	
		For Obscure Glass, Add	105.95	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	523.67	64.45
		For Colored Vinyl, Add	39.48	
		For Tinted Glass, Add	47.37	
		For Low-E Insulated Glass, Add	98.69	
		For Obscure Glass, Add	108.56	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	533.85	65.60
		For Colored Vinyl, Add	40.26	
		For Tinted Glass, Add	48.32	
		For Low-E Insulated Glass, Add	100.66	
		For Obscure Glass, Add	110.73	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	563.13	67.90
		For Colored Vinyl, Add	42.73	
		For Tinted Glass, Add	51.28	
		For Low-E Insulated Glass, Add	106.83	
		For Obscure Glass, Add	117.51	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	609.10	72.50
		For Colored Vinyl, Add	46.41	
		For Tinted Glass, Add	55.69	
		For Low-E Insulated Glass, Add	116.02	
		For Obscure Glass, Add	127.62	
08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.60	62.15
		For Colored Vinyl, Add	37.33	
		For Tinted Glass, Add	44.80	
		For Low-E Insulated Glass, Add	93.33	
		For Obscure Glass, Add	102.66	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	520.22	64.45
		For Colored Vinyl, Add	39.13	
		For Tinted Glass, Add	46.96	
		For Low-E Insulated Glass, Add	97.83	
		For Obscure Glass, Add	107.61	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	532.48	65.60
		For Colored Vinyl, Add	40.13	
		For Tinted Glass, Add	48.15	
		For Low-E Insulated Glass, Add	100.32	
		For Obscure Glass, Add	110.35	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	542.65	66.76
		For Colored Vinyl, Add	40.91	
		For Tinted Glass, Add	49.10	
		For Low-E Insulated Glass, Add	102.29	
		For Obscure Glass, Add	112.51	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	572.34	69.05
		For Colored Vinyl, Add	43.42	
		For Tinted Glass, Add	52.11	
		For Low-E Insulated Glass, Add	108.56	
		For Obscure Glass, Add	119.41	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.86	73.66
		For Colored Vinyl, Add	47.16	
		For Tinted Glass, Add	56.59	
		For Low-E Insulated Glass, Add	117.89	
		For Obscure Glass, Add	129.68	
08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	506.00	63.30
		For Colored Vinyl, Add	37.94	
		For Tinted Glass, Add	45.53	
		For Low-E Insulated Glass, Add	94.85	
		For Obscure Glass, Add	104.33	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.63	65.60
		For Colored Vinyl, Add	39.74	
		For Tinted Glass, Add	47.69	
		For Low-E Insulated Glass, Add	99.36	
		For Obscure Glass, Add	109.29	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	541.33	66.76
		For Colored Vinyl, Add	40.78	
		For Tinted Glass, Add	48.94	
		For Low-E Insulated Glass, Add	101.96	
		For Obscure Glass, Add	112.15	



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	551.50	67.90
		For Colored Vinyl, Add	.....	41.57	
		For Tinted Glass, Add	.....	49.88	
		For Low-E Insulated Glass, Add	.....	103.92	
		For Obscure Glass, Add	.....	114.31	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	581.64	70.21
		For Colored Vinyl, Add	.....	44.12	
		For Tinted Glass, Add	.....	52.95	
		For Low-E Insulated Glass, Add	.....	110.31	
		For Obscure Glass, Add	.....	121.34	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	628.73	74.81
		For Colored Vinyl, Add	.....	47.91	
		For Tinted Glass, Add	.....	57.49	
		For Low-E Insulated Glass, Add	.....	119.78	
		For Obscure Glass, Add	.....	131.76	
08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	514.38	64.45
		For Colored Vinyl, Add	.....	38.55	
		For Tinted Glass, Add	.....	46.26	
		For Low-E Insulated Glass, Add	.....	96.37	
		For Obscure Glass, Add	.....	106.01	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	537.02	66.76
		For Colored Vinyl, Add	.....	40.35	
		For Tinted Glass, Add	.....	48.42	
		For Low-E Insulated Glass, Add	.....	100.88	
		For Obscure Glass, Add	.....	110.97	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	550.13	67.90
		For Colored Vinyl, Add	.....	41.43	
		For Tinted Glass, Add	.....	49.72	
		For Low-E Insulated Glass, Add	.....	103.58	
		For Obscure Glass, Add	.....	113.94	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	560.30	69.05
		For Colored Vinyl, Add	.....	42.22	
		For Tinted Glass, Add	.....	50.66	
		For Low-E Insulated Glass, Add	.....	105.55	
		For Obscure Glass, Add	.....	116.10	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	590.85	71.36
		For Colored Vinyl, Add	.....	44.81	
		For Tinted Glass, Add	.....	53.78	
		For Low-E Insulated Glass, Add	.....	112.04	
		For Obscure Glass, Add	.....	123.24	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	638.50	75.96
		For Colored Vinyl, Add	.....	48.66	
		For Tinted Glass, Add	.....	58.39	
		For Low-E Insulated Glass, Add	.....	121.65	
		For Obscure Glass, Add	.....	133.81	
08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	540.33	67.90
		For Colored Vinyl, Add	.....	40.45	
		For Tinted Glass, Add	.....	48.54	
		For Low-E Insulated Glass, Add	.....	101.13	
		For Obscure Glass, Add	.....	111.24	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	562.96	70.21
		For Colored Vinyl, Add	.....	42.26	
		For Tinted Glass, Add	.....	50.71	
		For Low-E Insulated Glass, Add	.....	105.64	
		For Obscure Glass, Add	.....	116.20	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	577.29	71.36
		For Colored Vinyl, Add	.....	43.46	
		For Tinted Glass, Add	.....	52.15	
		For Low-E Insulated Glass, Add	.....	108.65	
		For Obscure Glass, Add	.....	119.51	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	587.47	72.50
		For Colored Vinyl, Add	.....	44.25	
		For Tinted Glass, Add	.....	53.09	
		For Low-E Insulated Glass, Add	.....	110.61	
		For Obscure Glass, Add	.....	121.67	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	619.34	74.81
		For Colored Vinyl, Add	.....	46.97	
		For Tinted Glass, Add	.....	56.37	
		For Low-E Insulated Glass, Add	.....	117.43	
		For Obscure Glass, Add	.....	129.17	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	668.71	79.41
		For Colored Vinyl, Add	.....	50.99	
		For Tinted Glass, Add	.....	61.19	
		For Low-E Insulated Glass, Add	.....	127.47	
		For Obscure Glass, Add	.....	140.22	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0073	62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)			
08 53 13 00-0074	EA 24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	548.73		69.05
	For Colored Vinyl, Add	41.06		
	For Tinted Glass, Add	49.27		
	For Low-E Insulated Glass, Add	102.66		
	For Obscure Glass, Add	112.92		
08 53 13 00-0075	EA 28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.35		71.36
	For Colored Vinyl, Add	42.86		
	For Tinted Glass, Add	51.44		
	For Low-E Insulated Glass, Add	107.16		
	For Obscure Glass, Add	117.88		
08 53 13 00-0076	EA 30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	586.20		72.50
	For Colored Vinyl, Add	44.12		
	For Tinted Glass, Add	52.94		
	For Low-E Insulated Glass, Add	110.30		
	For Obscure Glass, Add	121.32		
08 53 13 00-0077	EA 32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	596.36		73.66
	For Colored Vinyl, Add	44.91		
	For Tinted Glass, Add	53.89		
	For Low-E Insulated Glass, Add	112.26		
	For Obscure Glass, Add	123.49		
08 53 13 00-0078	EA 36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	628.65		75.96
	For Colored Vinyl, Add	47.67		
	For Tinted Glass, Add	57.21		
	For Low-E Insulated Glass, Add	119.18		
	For Obscure Glass, Add	131.10		
08 53 13 00-0079	EA 44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	678.63		80.57
	For Colored Vinyl, Add	51.75		
	For Tinted Glass, Add	62.10		
	For Low-E Insulated Glass, Add	129.38		
	For Obscure Glass, Add	142.31		
08 53 13 00-0080	66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)			
08 53 13 00-0081	EA 24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.82		71.36
	For Colored Vinyl, Add	42.31		
	For Tinted Glass, Add	50.77		
	For Low-E Insulated Glass, Add	105.78		
	For Obscure Glass, Add	116.36		
08 53 13 00-0082	EA 28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.44		73.66
	For Colored Vinyl, Add	44.11		
	For Tinted Glass, Add	52.94		
	For Low-E Insulated Glass, Add	110.28		
	For Obscure Glass, Add	121.31		
08 53 13 00-0083	EA 30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	604.11		74.81
	For Colored Vinyl, Add	45.45		
	For Tinted Glass, Add	54.54		
	For Low-E Insulated Glass, Add	113.62		
	For Obscure Glass, Add	124.98		
08 53 13 00-0084	EA 32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	614.28		75.96
	For Colored Vinyl, Add	46.24		
	For Tinted Glass, Add	55.48		
	For Low-E Insulated Glass, Add	115.59		
	For Obscure Glass, Add	127.15		
08 53 13 00-0085	EA 36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	647.47		78.26
	For Colored Vinyl, Add	49.09		
	For Tinted Glass, Add	58.91		
	For Low-E Insulated Glass, Add	122.74		
	For Obscure Glass, Add	135.01		
08 53 13 00-0086	EA 44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	698.52		82.86
	For Colored Vinyl, Add	53.28		
	For Tinted Glass, Add	63.93		
	For Low-E Insulated Glass, Add	133.20		
	For Obscure Glass, Add	146.51		
08 53 13 00-0087	72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)			
08 53 13 00-0088	EA 24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	591.77		74.81
	For Colored Vinyl, Add	44.22		
	For Tinted Glass, Add	53.06		
	For Low-E Insulated Glass, Add	110.54		
	For Obscure Glass, Add	121.59		
08 53 13 00-0089	EA 28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	614.39		77.12
	For Colored Vinyl, Add	46.02		
	For Tinted Glass, Add	55.22		
	For Low-E Insulated Glass, Add	115.04		
	For Obscure Glass, Add	126.55		



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	630.06	78.26
			For Colored Vinyl, Add	47.35	
			For Tinted Glass, Add	56.82	
			For Low-E Insulated Glass, Add	118.38	
			For Obscure Glass, Add	130.22	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	640.23	79.41
			For Colored Vinyl, Add	48.14	
			For Tinted Glass, Add	57.77	
			For Low-E Insulated Glass, Add	120.35	
			For Obscure Glass, Add	132.39	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	673.41	81.72
			For Colored Vinyl, Add	51.00	
			For Tinted Glass, Add	61.20	
			For Low-E Insulated Glass, Add	127.50	
			For Obscure Glass, Add	140.24	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	724.46	86.32
			For Colored Vinyl, Add	55.18	
			For Tinted Glass, Add	66.22	
			For Low-E Insulated Glass, Add	137.96	
			For Obscure Glass, Add	151.75	
08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) (08 53 13 00-0001)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).					
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	639.77	60.42
			For Colored Vinyl, Add	51.89	
			For Tinted Glass, Add	62.27	
			For Low-E Insulated Glass, Add	129.73	
			For Obscure Glass, Add	142.70	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	701.28	66.18
			For Colored Vinyl, Add	56.89	
			For Tinted Glass, Add	68.27	
			For Low-E Insulated Glass, Add	142.23	
			For Obscure Glass, Add	156.46	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	757.73	71.93
			For Colored Vinyl, Add	61.39	
			For Tinted Glass, Add	73.66	
			For Low-E Insulated Glass, Add	153.47	
			For Obscure Glass, Add	168.81	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	796.41	77.69
			For Colored Vinyl, Add	64.10	
			For Tinted Glass, Add	76.92	
			For Low-E Insulated Glass, Add	160.26	
			For Obscure Glass, Add	176.28	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	837.11	83.44
			For Colored Vinyl, Add	67.02	
			For Tinted Glass, Add	80.43	
			For Low-E Insulated Glass, Add	167.56	
			For Obscure Glass, Add	184.31	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	909.55	89.20
			For Colored Vinyl, Add	73.12	
			For Tinted Glass, Add	87.74	
			For Low-E Insulated Glass, Add	182.79	
			For Obscure Glass, Add	201.07	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.59	0.74
			For Colored Vinyl, Add	0.61	
			For Tinted Glass, Add	0.73	
			For Low-E Insulated Glass, Add	1.52	
			For Obscure Glass, Add	1.67	
08 53 13 00-0102 Double Hung Vinyl Windows (08 53 13)					
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.					
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)					
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	624.61	52.94
			For Colored Vinyl, Add	51.87	
			For Tinted Glass, Add	62.25	
			For Low-E Insulated Glass, Add	129.68	
			For Obscure Glass, Add	142.65	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	647.23	55.25
			For Colored Vinyl, Add	53.67	
			For Tinted Glass, Add	64.41	
			For Low-E Insulated Glass, Add	134.19	
			For Obscure Glass, Add	147.60	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	658.16	56.40
			For Colored Vinyl, Add	54.54	
			For Tinted Glass, Add	65.44	
			For Low-E Insulated Glass, Add	136.34	
			For Obscure Glass, Add	149.98	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	668.33	57.54
			For Colored Vinyl, Add	55.32	
			For Tinted Glass, Add	66.39	
			For Low-E Insulated Glass, Add	138.31	
			For Obscure Glass, Add	152.14	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	693.30	59.85
			For Colored Vinyl, Add	57.36	
			For Tinted Glass, Add	68.83	
			For Low-E Insulated Glass, Add	143.40	
			For Obscure Glass, Add	157.74	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	733.63	64.45
			For Colored Vinyl, Add	60.47	
			For Tinted Glass, Add	72.57	
			For Low-E Insulated Glass, Add	151.18	
			For Obscure Glass, Add	166.30	
08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)					
			(08 53 13 00-0103)		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	633.24	54.09
			For Colored Vinyl, Add	52.51	
			For Tinted Glass, Add	63.01	
			For Low-E Insulated Glass, Add	131.27	
			For Obscure Glass, Add	144.39	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	655.88	56.40
			For Colored Vinyl, Add	54.31	
			For Tinted Glass, Add	65.17	
			For Low-E Insulated Glass, Add	135.77	
			For Obscure Glass, Add	149.35	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	666.81	57.54
			For Colored Vinyl, Add	55.17	
			For Tinted Glass, Add	66.21	
			For Low-E Insulated Glass, Add	137.93	
			For Obscure Glass, Add	151.72	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	676.98	58.70
			For Colored Vinyl, Add	55.96	
			For Tinted Glass, Add	67.15	
			For Low-E Insulated Glass, Add	139.90	
			For Obscure Glass, Add	153.89	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	701.95	61.00
			For Colored Vinyl, Add	58.00	
			For Tinted Glass, Add	69.59	
			For Low-E Insulated Glass, Add	144.99	
			For Obscure Glass, Add	159.49	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	742.29	65.60
			For Colored Vinyl, Add	61.11	
			For Tinted Glass, Add	73.33	
			For Low-E Insulated Glass, Add	152.77	
			For Obscure Glass, Add	168.05	
08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)					
			(08 53 13 00-0103)		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	640.99	55.25
			For Colored Vinyl, Add	53.05	
			For Tinted Glass, Add	63.66	
			For Low-E Insulated Glass, Add	132.63	
			For Obscure Glass, Add	145.89	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	663.61	57.54
			For Colored Vinyl, Add	54.85	
			For Tinted Glass, Add	65.82	
			For Low-E Insulated Glass, Add	137.13	
			For Obscure Glass, Add	150.84	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	674.90	58.70
			For Colored Vinyl, Add	55.75	
			For Tinted Glass, Add	66.90	
			For Low-E Insulated Glass, Add	139.38	
			For Obscure Glass, Add	153.32	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	685.08	59.85
			For Colored Vinyl, Add	56.54	
			For Tinted Glass, Add	67.85	
			For Low-E Insulated Glass, Add	141.35	
			For Obscure Glass, Add	155.48	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	710.55	62.15
			For Colored Vinyl, Add	58.63	
			For Tinted Glass, Add	70.35	
			For Low-E Insulated Glass, Add	146.56	
			For Obscure Glass, Add	161.22	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	751.39	66.76
			For Colored Vinyl, Add	61.79	
			For Tinted Glass, Add	74.15	
			For Low-E Insulated Glass, Add	154.47	
			For Obscure Glass, Add	169.92	



Openings			08
Windows			08 50
Plastic Windows			08 53

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0125			44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	667.64	58.70
			For Colored Vinyl, Add	55.03	
			For Tinted Glass, Add	66.03	
			For Low-E Insulated Glass, Add	137.56	
			For Obscure Glass, Add	151.32	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	690.27	61.00
			For Colored Vinyl, Add	56.83	
			For Tinted Glass, Add	68.19	
			For Low-E Insulated Glass, Add	142.07	
			For Obscure Glass, Add	156.27	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	699.48	62.15
			For Colored Vinyl, Add	57.52	
			For Tinted Glass, Add	69.02	
			For Low-E Insulated Glass, Add	143.80	
			For Obscure Glass, Add	158.17	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	709.66	63.30
			For Colored Vinyl, Add	58.31	
			For Tinted Glass, Add	69.97	
			For Low-E Insulated Glass, Add	145.76	
			For Obscure Glass, Add	160.34	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	736.24	65.60
			For Colored Vinyl, Add	60.50	
			For Tinted Glass, Add	72.60	
			For Low-E Insulated Glass, Add	151.26	
			For Obscure Glass, Add	166.38	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	779.62	70.21
			For Colored Vinyl, Add	63.92	
			For Tinted Glass, Add	76.71	
			For Low-E Insulated Glass, Add	159.80	
			For Obscure Glass, Add	175.78	
08 53 13 00-0132			46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	675.33	59.85
			For Colored Vinyl, Add	55.56	
			For Tinted Glass, Add	66.68	
			For Low-E Insulated Glass, Add	138.91	
			For Obscure Glass, Add	152.80	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	697.95	62.15
			For Colored Vinyl, Add	57.37	
			For Tinted Glass, Add	68.84	
			For Low-E Insulated Glass, Add	143.41	
			For Obscure Glass, Add	157.75	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	707.73	63.30
			For Colored Vinyl, Add	58.11	
			For Tinted Glass, Add	69.73	
			For Low-E Insulated Glass, Add	145.28	
			For Obscure Glass, Add	159.81	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	717.89	64.45
			For Colored Vinyl, Add	58.90	
			For Tinted Glass, Add	70.68	
			For Low-E Insulated Glass, Add	147.25	
			For Obscure Glass, Add	161.97	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	744.84	66.76
			For Colored Vinyl, Add	61.13	
			For Tinted Glass, Add	73.36	
			For Low-E Insulated Glass, Add	152.83	
			For Obscure Glass, Add	168.12	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	789.73	71.36
			For Colored Vinyl, Add	64.70	
			For Tinted Glass, Add	77.64	
			For Low-E Insulated Glass, Add	161.76	
			For Obscure Glass, Add	177.93	
08 53 13 00-0139			48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	683.11	61.00
			For Colored Vinyl, Add	56.11	
			For Tinted Glass, Add	67.33	
			For Low-E Insulated Glass, Add	140.28	
			For Obscure Glass, Add	154.31	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	705.75	63.30
			For Colored Vinyl, Add	57.91	
			For Tinted Glass, Add	69.50	
			For Low-E Insulated Glass, Add	144.79	
			For Obscure Glass, Add	159.26	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	715.81	64.45
			For Colored Vinyl, Add	58.69	
			For Tinted Glass, Add	70.43	
			For Low-E Insulated Glass, Add	146.73	
			For Obscure Glass, Add	161.40	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	725.99	65.60
			For Colored Vinyl, Add	59.48	
			For Tinted Glass, Add	71.37	
			For Low-E Insulated Glass, Add	148.70	
			For Obscure Glass, Add	163.56	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	753.44	67.90
			For Colored Vinyl, Add	61.76	
			For Tinted Glass, Add	74.12	
			For Low-E Insulated Glass, Add	154.41	
			For Obscure Glass, Add	169.85	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	799.66	72.50
			For Colored Vinyl, Add	65.46	
			For Tinted Glass, Add	78.56	
			For Low-E Insulated Glass, Add	163.66	
			For Obscure Glass, Add	180.03	
08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)					
			(08 53 13 00-0103)		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	690.80	62.15
			For Colored Vinyl, Add	56.65	
			For Tinted Glass, Add	67.98	
			For Low-E Insulated Glass, Add	141.63	
			For Obscure Glass, Add	155.79	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	713.42	64.45
			For Colored Vinyl, Add	58.45	
			For Tinted Glass, Add	70.14	
			For Low-E Insulated Glass, Add	146.13	
			For Obscure Glass, Add	160.74	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	724.01	65.60
			For Colored Vinyl, Add	59.28	
			For Tinted Glass, Add	71.14	
			For Low-E Insulated Glass, Add	148.20	
			For Obscure Glass, Add	163.02	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	734.18	66.76
			For Colored Vinyl, Add	60.07	
			For Tinted Glass, Add	72.08	
			For Low-E Insulated Glass, Add	150.17	
			For Obscure Glass, Add	165.18	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	762.03	69.05
			For Colored Vinyl, Add	62.39	
			For Tinted Glass, Add	74.87	
			For Low-E Insulated Glass, Add	155.98	
			For Obscure Glass, Add	171.58	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	809.72	73.66
			For Colored Vinyl, Add	66.24	
			For Tinted Glass, Add	79.49	
			For Low-E Insulated Glass, Add	165.60	
			For Obscure Glass, Add	182.16	
08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)					
			(08 53 13 00-0103)		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	698.54	63.30
			For Colored Vinyl, Add	57.19	
			For Tinted Glass, Add	68.63	
			For Low-E Insulated Glass, Add	142.98	
			For Obscure Glass, Add	157.28	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	721.16	65.60
			For Colored Vinyl, Add	59.00	
			For Tinted Glass, Add	70.79	
			For Low-E Insulated Glass, Add	147.49	
			For Obscure Glass, Add	162.24	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	732.10	66.76
			For Colored Vinyl, Add	59.86	
			For Tinted Glass, Add	71.83	
			For Low-E Insulated Glass, Add	149.65	
			For Obscure Glass, Add	164.61	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	742.27	67.90
			For Colored Vinyl, Add	60.65	
			For Tinted Glass, Add	72.78	
			For Low-E Insulated Glass, Add	151.62	
			For Obscure Glass, Add	166.78	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	771.49	70.21
			For Colored Vinyl, Add	63.11	
			For Tinted Glass, Add	75.73	
			For Low-E Insulated Glass, Add	157.77	
			For Obscure Glass, Add	173.55	



Openings		08	08
Windows		08 50	
Plastic Windows		08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	819.59	74.81
			For Colored Vinyl, Add	67.00	
			For Tinted Glass, Add	80.40	
			For Low-E Insulated Glass, Add	167.49	
			For Obscure Glass, Add	184.24	
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	706.31	64.45
			For Colored Vinyl, Add	57.74	
			For Tinted Glass, Add	69.29	
			For Low-E Insulated Glass, Add	144.35	
			For Obscure Glass, Add	158.79	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	728.95	66.76
			For Colored Vinyl, Add	59.54	
			For Tinted Glass, Add	71.45	
			For Low-E Insulated Glass, Add	148.86	
			For Obscure Glass, Add	163.75	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	740.34	67.90
			For Colored Vinyl, Add	60.45	
			For Tinted Glass, Add	72.54	
			For Low-E Insulated Glass, Add	151.13	
			For Obscure Glass, Add	166.25	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	750.51	69.05
			For Colored Vinyl, Add	61.24	
			For Tinted Glass, Add	73.49	
			For Low-E Insulated Glass, Add	153.10	
			For Obscure Glass, Add	168.41	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	780.95	71.36
			For Colored Vinyl, Add	63.82	
			For Tinted Glass, Add	76.59	
			For Low-E Insulated Glass, Add	159.56	
			For Obscure Glass, Add	175.52	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	829.51	75.96
			For Colored Vinyl, Add	67.76	
			For Tinted Glass, Add	81.31	
			For Low-E Insulated Glass, Add	169.40	
			For Obscure Glass, Add	186.34	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	729.62	67.90
			For Colored Vinyl, Add	59.38	
			For Tinted Glass, Add	71.26	
			For Low-E Insulated Glass, Add	148.45	
			For Obscure Glass, Add	163.30	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	752.25	70.21
			For Colored Vinyl, Add	61.18	
			For Tinted Glass, Add	73.42	
			For Low-E Insulated Glass, Add	152.96	
			For Obscure Glass, Add	168.26	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	766.63	71.36
			For Colored Vinyl, Add	62.39	
			For Tinted Glass, Add	74.87	
			For Low-E Insulated Glass, Add	155.98	
			For Obscure Glass, Add	171.58	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	776.81	72.50
			For Colored Vinyl, Add	63.18	
			For Tinted Glass, Add	75.81	
			For Low-E Insulated Glass, Add	157.95	
			For Obscure Glass, Add	173.74	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	809.19	74.81
			For Colored Vinyl, Add	65.96	
			For Tinted Glass, Add	79.15	
			For Low-E Insulated Glass, Add	164.89	
			For Obscure Glass, Add	181.38	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	859.37	79.41
			For Colored Vinyl, Add	70.05	
			For Tinted Glass, Add	84.06	
			For Low-E Insulated Glass, Add	175.14	
			For Obscure Glass, Add	192.65	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	737.36	69.05
			For Colored Vinyl, Add	59.93	
			For Tinted Glass, Add	71.91	
			For Low-E Insulated Glass, Add	149.81	
			For Obscure Glass, Add	164.79	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	759.98	71.36
		For Colored Vinyl, Add	.....	61.73	
		For Tinted Glass, Add	.....	74.07	
		For Low-E Insulated Glass, Add	.....	154.32	
		For Obscure Glass, Add	.....	169.75	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	775.59	72.50
		For Colored Vinyl, Add	.....	63.06	
		For Tinted Glass, Add	.....	75.67	
		For Low-E Insulated Glass, Add	.....	157.64	
		For Obscure Glass, Add	.....	173.41	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	785.75	73.66
		For Colored Vinyl, Add	.....	63.84	
		For Tinted Glass, Add	.....	76.61	
		For Low-E Insulated Glass, Add	.....	159.61	
		For Obscure Glass, Add	.....	175.57	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	818.54	75.96
		For Colored Vinyl, Add	.....	66.66	
		For Tinted Glass, Add	.....	79.99	
		For Low-E Insulated Glass, Add	.....	166.66	
		For Obscure Glass, Add	.....	183.32	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	870.30	80.57
		For Colored Vinyl, Add	.....	70.92	
		For Tinted Glass, Add	.....	85.10	
		For Low-E Insulated Glass, Add	.....	177.29	
		For Obscure Glass, Add	.....	195.02	
08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)					
08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	754.65	71.36
		For Colored Vinyl, Add	.....	61.19	
		For Tinted Glass, Add	.....	73.43	
		For Low-E Insulated Glass, Add	.....	152.99	
		For Obscure Glass, Add	.....	168.28	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	777.27	73.66
		For Colored Vinyl, Add	.....	63.00	
		For Tinted Glass, Add	.....	75.60	
		For Low-E Insulated Glass, Add	.....	157.49	
		For Obscure Glass, Add	.....	173.24	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	793.55	74.81
		For Colored Vinyl, Add	.....	64.39	
		For Tinted Glass, Add	.....	77.27	
		For Low-E Insulated Glass, Add	.....	160.98	
		For Obscure Glass, Add	.....	177.08	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	803.72	75.96
		For Colored Vinyl, Add	.....	65.18	
		For Tinted Glass, Add	.....	78.22	
		For Low-E Insulated Glass, Add	.....	162.95	
		For Obscure Glass, Add	.....	179.25	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	837.47	78.26
		For Colored Vinyl, Add	.....	68.09	
		For Tinted Glass, Add	.....	81.71	
		For Low-E Insulated Glass, Add	.....	170.24	
		For Obscure Glass, Add	.....	187.26	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	891.36	82.86
		For Colored Vinyl, Add	.....	72.56	
		For Tinted Glass, Add	.....	87.07	
		For Low-E Insulated Glass, Add	.....	181.41	
		For Obscure Glass, Add	.....	199.55	
08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)					
08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	780.60	74.81
		For Colored Vinyl, Add	.....	63.10	
		For Tinted Glass, Add	.....	75.72	
		For Low-E Insulated Glass, Add	.....	157.75	
		For Obscure Glass, Add	.....	173.52	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	803.22	77.12
		For Colored Vinyl, Add	.....	64.90	
		For Tinted Glass, Add	.....	77.88	
		For Low-E Insulated Glass, Add	.....	162.25	
		For Obscure Glass, Add	.....	178.48	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	819.50	78.26
		For Colored Vinyl, Add	.....	66.30	
		For Tinted Glass, Add	.....	79.56	
		For Low-E Insulated Glass, Add	.....	165.74	
		For Obscure Glass, Add	.....	182.32	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	.....	829.67	79.41
		For Colored Vinyl, Add	.....	67.08	
		For Tinted Glass, Add	.....	80.50	
		For Low-E Insulated Glass, Add	.....	167.71	
		For Obscure Glass, Add	.....	184.48	



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	863.41	81.72
			For Colored Vinyl, Add	70.00	
			For Tinted Glass, Add	84.00	
			For Low-E Insulated Glass, Add	175.00	
			For Obscure Glass, Add	192.49	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	917.30	86.32
			For Colored Vinyl, Add	74.47	
			For Tinted Glass, Add	89.36	
			For Low-E Insulated Glass, Add	186.17	
			For Obscure Glass, Add	204.78	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	769.50	60.42
			For Colored Vinyl, Add	64.87	
			For Tinted Glass, Add	77.84	
			For Low-E Insulated Glass, Add	162.16	
			For Obscure Glass, Add	178.38	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	848.78	66.18
			For Colored Vinyl, Add	71.64	
			For Tinted Glass, Add	85.97	
			For Low-E Insulated Glass, Add	179.11	
			For Obscure Glass, Add	197.02	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	923.00	71.93
			For Colored Vinyl, Add	77.91	
			For Tinted Glass, Add	93.50	
			For Low-E Insulated Glass, Add	194.79	
			For Obscure Glass, Add	214.26	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	975.90	77.69
			For Colored Vinyl, Add	82.05	
			For Tinted Glass, Add	98.46	
			For Low-E Insulated Glass, Add	205.13	
			For Obscure Glass, Add	225.64	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	1,032.59	83.44
			For Colored Vinyl, Add	86.57	
			For Tinted Glass, Add	103.89	
			For Low-E Insulated Glass, Add	216.43	
			For Obscure Glass, Add	238.07	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	1,122.80	89.20
			For Colored Vinyl, Add	94.44	
			For Tinted Glass, Add	113.33	
			For Low-E Insulated Glass, Add	236.10	
			For Obscure Glass, Add	259.71	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	9.37	0.74
			For Colored Vinyl, Add	0.79	
			For Tinted Glass, Add	0.94	
			For Low-E Insulated Glass, Add	1.97	
			For Obscure Glass, Add	2.16	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	575.08	43.73
			For Colored Vinyl, Add	48.88	
			For Tinted Glass, Add	58.65	
			For Low-E Insulated Glass, Add	122.19	
			For Obscure Glass, Add	134.41	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	595.03	44.89
			For Colored Vinyl, Add	50.53	
			For Tinted Glass, Add	60.63	
			For Low-E Insulated Glass, Add	126.32	
			For Obscure Glass, Add	138.95	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	616.14	47.19
			For Colored Vinyl, Add	52.18	
			For Tinted Glass, Add	62.61	
			For Low-E Insulated Glass, Add	130.44	
			For Obscure Glass, Add	143.48	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	655.42	49.49
			For Colored Vinyl, Add	55.64	
			For Tinted Glass, Add	66.77	
			For Low-E Insulated Glass, Add	139.11	
			For Obscure Glass, Add	153.02	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0211	28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0212	EA 17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	610.41		46.04
	For Colored Vinyl, Add	51.95		
	For Tinted Glass, Add	62.34		
	For Low-E Insulated Glass, Add	129.87		
	For Obscure Glass, Add	142.86		
08 53 13 00-0213	EA 20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	632.24		47.19
	For Colored Vinyl, Add	53.79		
	For Tinted Glass, Add	64.54		
	For Low-E Insulated Glass, Add	134.47		
	For Obscure Glass, Add	147.91		
08 53 13 00-0214	EA 24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	655.17		49.49
	For Colored Vinyl, Add	55.62		
	For Tinted Glass, Add	66.74		
	For Low-E Insulated Glass, Add	139.05		
	For Obscure Glass, Add	152.95		
08 53 13 00-0215	EA 28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	696.68		51.80
	For Colored Vinyl, Add	59.31		
	For Tinted Glass, Add	71.17		
	For Low-E Insulated Glass, Add	148.28		
	For Obscure Glass, Add	163.10		
08 53 13 00-0216	36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0217	EA 17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	651.46		49.49
	For Colored Vinyl, Add	55.25		
	For Tinted Glass, Add	66.30		
	For Low-E Insulated Glass, Add	138.12		
	For Obscure Glass, Add	151.93		
08 53 13 00-0218	EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	674.21		51.80
	For Colored Vinyl, Add	57.18		
	For Tinted Glass, Add	68.61		
	For Low-E Insulated Glass, Add	142.95		
	For Obscure Glass, Add	157.24		
08 53 13 00-0219	EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	698.16		53.52
	For Colored Vinyl, Add	59.11		
	For Tinted Glass, Add	70.93		
	For Low-E Insulated Glass, Add	147.78		
	For Obscure Glass, Add	162.56		
08 53 13 00-0220	EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	741.45		55.82
	For Colored Vinyl, Add	62.98		
	For Tinted Glass, Add	75.58		
	For Low-E Insulated Glass, Add	157.45		
	For Obscure Glass, Add	173.20		
08 53 13 00-0221	40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0222	EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	689.05		52.94
	For Colored Vinyl, Add	58.43		
	For Tinted Glass, Add	70.12		
	For Low-E Insulated Glass, Add	146.08		
	For Obscure Glass, Add	160.69		
08 53 13 00-0223	EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	713.11		54.09
	For Colored Vinyl, Add	60.49		
	For Tinted Glass, Add	72.59		
	For Low-E Insulated Glass, Add	151.23		
	For Obscure Glass, Add	166.36		
08 53 13 00-0224	EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	738.34		56.40
	For Colored Vinyl, Add	62.56		
	For Tinted Glass, Add	75.07		
	For Low-E Insulated Glass, Add	156.39		
	For Obscure Glass, Add	172.03		
08 53 13 00-0225	EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	785.28		58.70
	For Colored Vinyl, Add	66.79		
	For Tinted Glass, Add	80.15		
	For Low-E Insulated Glass, Add	166.97		
	For Obscure Glass, Add	183.67		
08 53 13 00-0226	48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0227	EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	730.40		57.54
	For Colored Vinyl, Add	61.65		
	For Tinted Glass, Add	73.98		
	For Low-E Insulated Glass, Add	154.12		
	For Obscure Glass, Add	169.53		



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	755.58	58.70
			For Colored Vinyl, Add	63.82	
			For Tinted Glass, Add	76.58	
			For Low-E Insulated Glass, Add	159.55	
			For Obscure Glass, Add	175.50	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	781.97	61.00
			For Colored Vinyl, Add	66.00	
			For Tinted Glass, Add	79.20	
			For Low-E Insulated Glass, Add	164.99	
			For Obscure Glass, Add	181.49	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	833.75	63.30
			For Colored Vinyl, Add	70.71	
			For Tinted Glass, Add	84.86	
			For Low-E Insulated Glass, Add	176.79	
			For Obscure Glass, Add	194.46	
08 53 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	766.99	59.85
			For Colored Vinyl, Add	64.85	
			For Tinted Glass, Add	77.81	
			For Low-E Insulated Glass, Add	162.11	
			For Obscure Glass, Add	178.32	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	793.70	61.00
			For Colored Vinyl, Add	67.17	
			For Tinted Glass, Add	80.60	
			For Low-E Insulated Glass, Add	167.93	
			For Obscure Glass, Add	184.72	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	821.52	63.30
			For Colored Vinyl, Add	69.49	
			For Tinted Glass, Add	83.39	
			For Low-E Insulated Glass, Add	173.73	
			For Obscure Glass, Add	191.10	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	874.20	65.60
			For Colored Vinyl, Add	74.30	
			For Tinted Glass, Add	89.16	
			For Low-E Insulated Glass, Add	185.75	
			For Obscure Glass, Add	204.32	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	807.04	63.30
			For Colored Vinyl, Add	68.04	
			For Tinted Glass, Add	81.65	
			For Low-E Insulated Glass, Add	170.11	
			For Obscure Glass, Add	187.12	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	835.22	65.60
			For Colored Vinyl, Add	70.52	
			For Tinted Glass, Add	84.62	
			For Low-E Insulated Glass, Add	176.29	
			For Obscure Glass, Add	193.92	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	864.55	67.33
			For Colored Vinyl, Add	72.99	
			For Tinted Glass, Add	87.59	
			For Low-E Insulated Glass, Add	182.47	
			For Obscure Glass, Add	200.72	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	918.10	69.64
			For Colored Vinyl, Add	77.88	
			For Tinted Glass, Add	93.46	
			For Low-E Insulated Glass, Add	194.71	
			For Obscure Glass, Add	214.18	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	844.01	66.76
			For Colored Vinyl, Add	71.17	
			For Tinted Glass, Add	85.40	
			For Low-E Insulated Glass, Add	177.92	
			For Obscure Glass, Add	195.71	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	872.96	67.90
			For Colored Vinyl, Add	73.72	
			For Tinted Glass, Add	88.46	
			For Low-E Insulated Glass, Add	184.29	
			For Obscure Glass, Add	202.72	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	904.32	70.21
			For Colored Vinyl, Add	76.39	
			For Tinted Glass, Add	91.67	
			For Low-E Insulated Glass, Add	190.98	
			For Obscure Glass, Add	210.08	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0245	EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	956.61		72.50
	For Colored Vinyl, Add	81.16		
	For Tinted Glass, Add	97.39		
	For Low-E Insulated Glass, Add	202.90		
	For Obscure Glass, Add	223.19		
08 53 13 00-0246	72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0247	EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	888.98		70.21
	For Colored Vinyl, Add	74.86		
	For Tinted Glass, Add	89.83		
	For Low-E Insulated Glass, Add	187.14		
	For Obscure Glass, Add	205.86		
08 53 13 00-0248	EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	919.50		72.50
	For Colored Vinyl, Add	77.56		
	For Tinted Glass, Add	93.08		
	For Low-E Insulated Glass, Add	193.91		
	For Obscure Glass, Add	213.30		
08 53 13 00-0249	EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	949.44		74.24
	For Colored Vinyl, Add	80.10		
	For Tinted Glass, Add	96.12		
	For Low-E Insulated Glass, Add	200.24		
	For Obscure Glass, Add	220.27		
08 53 13 00-0250	EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,001.06		76.54
	For Colored Vinyl, Add	84.80		
	For Tinted Glass, Add	101.76		
	For Low-E Insulated Glass, Add	212.00		
	For Obscure Glass, Add	233.20		
08 53 13 00-0251	Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)			
08 53 13 00-0252	36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0253	EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,178.53		58.70
	For Colored Vinyl, Add	106.11		
	For Tinted Glass, Add	127.34		
	For Low-E Insulated Glass, Add	265.29		
	For Obscure Glass, Add	291.81		
08 53 13 00-0254	EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,219.90		63.30
	For Colored Vinyl, Add	109.45		
	For Tinted Glass, Add	131.33		
	For Low-E Insulated Glass, Add	273.61		
	For Obscure Glass, Add	300.97		
08 53 13 00-0255	EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,262.47		67.90
	For Colored Vinyl, Add	112.78		
	For Tinted Glass, Add	135.34		
	For Low-E Insulated Glass, Add	281.95		
	For Obscure Glass, Add	310.15		
08 53 13 00-0256	EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,311.23		71.93
	For Colored Vinyl, Add	116.74		
	For Tinted Glass, Add	140.08		
	For Low-E Insulated Glass, Add	291.84		
	For Obscure Glass, Add	321.03		
08 53 13 00-0257	40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0258	EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,248.47		61.57
	For Colored Vinyl, Add	112.53		
	For Tinted Glass, Add	135.04		
	For Low-E Insulated Glass, Add	281.33		
	For Obscure Glass, Add	309.46		
08 53 13 00-0259	EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,292.58		65.60
	For Colored Vinyl, Add	116.14		
	For Tinted Glass, Add	139.36		
	For Low-E Insulated Glass, Add	290.34		
	For Obscure Glass, Add	319.38		
08 53 13 00-0260	EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,337.89		70.21
	For Colored Vinyl, Add	119.75		
	For Tinted Glass, Add	143.70		
	For Low-E Insulated Glass, Add	299.37		
	For Obscure Glass, Add	329.31		
08 53 13 00-0261	EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,384.97		74.81
	For Colored Vinyl, Add	123.54		
	For Tinted Glass, Add	148.24		
	For Low-E Insulated Glass, Add	308.84		
	For Obscure Glass, Add	339.72		
08 53 13 00-0262	48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,323.12	66.18
			For Colored Vinyl, Add	119.08	
			For Tinted Glass, Add	142.89	
			For Low-E Insulated Glass, Add	297.69	
			For Obscure Glass, Add	327.46	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,369.21	70.21
			For Colored Vinyl, Add	122.88	
			For Tinted Glass, Add	147.46	
			For Low-E Insulated Glass, Add	307.20	
			For Obscure Glass, Add	337.92	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,416.50	74.81
			For Colored Vinyl, Add	126.69	
			For Tinted Glass, Add	152.03	
			For Low-E Insulated Glass, Add	316.72	
			For Obscure Glass, Add	348.39	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,468.21	79.41
			For Colored Vinyl, Add	130.94	
			For Tinted Glass, Add	157.13	
			For Low-E Insulated Glass, Add	327.35	
			For Obscure Glass, Add	360.08	
08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)					
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,393.03	68.48
			For Colored Vinyl, Add	125.61	
			For Tinted Glass, Add	150.73	
			For Low-E Insulated Glass, Add	314.02	
			For Obscure Glass, Add	345.42	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,441.76	72.50
			For Colored Vinyl, Add	129.67	
			For Tinted Glass, Add	155.61	
			For Low-E Insulated Glass, Add	324.19	
			For Obscure Glass, Add	356.60	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,491.63	77.12
			For Colored Vinyl, Add	133.74	
			For Tinted Glass, Add	160.49	
			For Low-E Insulated Glass, Add	334.35	
			For Obscure Glass, Add	367.79	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,544.25	81.72
			For Colored Vinyl, Add	138.08	
			For Tinted Glass, Add	165.70	
			For Low-E Insulated Glass, Add	345.21	
			For Obscure Glass, Add	379.73	
08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)					
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,466.39	72.50
			For Colored Vinyl, Add	132.14	
			For Tinted Glass, Add	158.56	
			For Low-E Insulated Glass, Add	330.34	
			For Obscure Glass, Add	363.38	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,517.75	77.12
			For Colored Vinyl, Add	136.47	
			For Tinted Glass, Add	163.76	
			For Low-E Insulated Glass, Add	341.17	
			For Obscure Glass, Add	375.29	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,570.22	81.72
			For Colored Vinyl, Add	140.79	
			For Tinted Glass, Add	168.95	
			For Low-E Insulated Glass, Add	351.99	
			For Obscure Glass, Add	387.18	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,623.70	85.74
			For Colored Vinyl, Add	145.22	
			For Tinted Glass, Add	174.27	
			For Low-E Insulated Glass, Add	363.05	
			For Obscure Glass, Add	399.36	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)					
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,539.57	75.38
			For Colored Vinyl, Add	138.88	
			For Tinted Glass, Add	166.66	
			For Low-E Insulated Glass, Add	347.20	
			For Obscure Glass, Add	381.92	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,590.94	79.41
			For Colored Vinyl, Add	143.21	
			For Tinted Glass, Add	171.85	
			For Low-E Insulated Glass, Add	358.03	
			For Obscure Glass, Add	393.83	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,643.19	84.02
For Colored Vinyl, Add	147.52	
For Tinted Glass, Add	177.02	
For Low-E Insulated Glass, Add	368.79	
For Obscure Glass, Add	405.67	
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,696.88	88.62
For Colored Vinyl, Add	151.96	
For Tinted Glass, Add	182.36	
For Low-E Insulated Glass, Add	379.91	
For Obscure Glass, Add	417.90	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,619.42	79.41
For Colored Vinyl, Add	146.06	
For Tinted Glass, Add	175.27	
For Low-E Insulated Glass, Add	365.15	
For Obscure Glass, Add	401.66	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,670.78	84.02
For Colored Vinyl, Add	150.39	
For Tinted Glass, Add	180.47	
For Low-E Insulated Glass, Add	375.98	
For Obscure Glass, Add	413.57	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,723.31	88.62
For Colored Vinyl, Add	154.72	
For Tinted Glass, Add	185.67	
For Low-E Insulated Glass, Add	386.80	
For Obscure Glass, Add	425.48	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,776.79	92.65
For Colored Vinyl, Add	159.15	
For Tinted Glass, Add	190.98	
For Low-E Insulated Glass, Add	397.87	
For Obscure Glass, Add	437.66	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,452.66	74.81
For Colored Vinyl, Add	130.30	
For Tinted Glass, Add	156.36	
For Low-E Insulated Glass, Add	325.76	
For Obscure Glass, Add	358.34	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,519.05	80.57
For Colored Vinyl, Add	135.79	
For Tinted Glass, Add	162.95	
For Low-E Insulated Glass, Add	339.48	
For Obscure Glass, Add	373.43	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,639.59	89.20
For Colored Vinyl, Add	146.12	
For Tinted Glass, Add	175.34	
For Low-E Insulated Glass, Add	365.30	
For Obscure Glass, Add	401.83	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,549.96	78.26
For Colored Vinyl, Add	139.46	
For Tinted Glass, Add	167.35	
For Low-E Insulated Glass, Add	348.65	
For Obscure Glass, Add	383.51	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,616.91	83.44
For Colored Vinyl, Add	145.00	
For Tinted Glass, Add	174.00	
For Low-E Insulated Glass, Add	362.51	
For Obscure Glass, Add	398.76	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,744.87	92.08
For Colored Vinyl, Add	156.07	
For Tinted Glass, Add	187.29	
For Low-E Insulated Glass, Add	390.18	
For Obscure Glass, Add	429.20	
08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,638.77	82.86
			For Colored Vinyl, Add	147.30	
			For Tinted Glass, Add	176.76	
			For Low-E Insulated Glass, Add	368.26	
			For Obscure Glass, Add	405.08	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,719.56	88.05
			For Colored Vinyl, Add	154.35	
			For Tinted Glass, Add	185.22	
			For Low-E Insulated Glass, Add	385.87	
			For Obscure Glass, Add	424.45	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,853.84	96.68
			For Colored Vinyl, Add	166.05	
			For Tinted Glass, Add	199.26	
			For Low-E Insulated Glass, Add	415.12	
			For Obscure Glass, Add	456.63	
08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)					
08 53 13 00-0301	EA		62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,731.77	85.17
			For Colored Vinyl, Add	156.14	
			For Tinted Glass, Add	187.37	
			For Low-E Insulated Glass, Add	390.36	
			For Obscure Glass, Add	429.39	
08 53 13 00-0302	EA		72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,817.55	90.93
			For Colored Vinyl, Add	163.57	
			For Tinted Glass, Add	196.29	
			For Low-E Insulated Glass, Add	408.93	
			For Obscure Glass, Add	449.82	
08 53 13 00-0303	EA		86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,972.90	98.98
			For Colored Vinyl, Add	177.49	
			For Tinted Glass, Add	212.99	
			For Low-E Insulated Glass, Add	443.74	
			For Obscure Glass, Add	488.11	
08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)					
08 53 13 00-0305	EA		62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,828.17	89.20
			For Colored Vinyl, Add	164.98	
			For Tinted Glass, Add	197.97	
			For Low-E Insulated Glass, Add	412.45	
			For Obscure Glass, Add	453.69	
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,917.82	94.95
			For Colored Vinyl, Add	172.79	
			For Tinted Glass, Add	207.35	
			For Low-E Insulated Glass, Add	431.98	
			For Obscure Glass, Add	475.18	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,095.40	103.01
			For Colored Vinyl, Add	188.94	
			For Tinted Glass, Add	226.73	
			For Low-E Insulated Glass, Add	472.35	
			For Obscure Glass, Add	519.58	
08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)					
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,933.75	92.08
			For Colored Vinyl, Add	174.96	
			For Tinted Glass, Add	209.95	
			For Low-E Insulated Glass, Add	437.40	
			For Obscure Glass, Add	481.14	
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,023.35	97.83
			For Colored Vinyl, Add	182.77	
			For Tinted Glass, Add	219.32	
			For Low-E Insulated Glass, Add	456.92	
			For Obscure Glass, Add	502.61	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,200.93	105.89
			For Colored Vinyl, Add	198.92	
			For Tinted Glass, Add	238.70	
			For Low-E Insulated Glass, Add	497.29	
			For Obscure Glass, Add	547.02	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)					
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,041.83	96.10
			For Colored Vinyl, Add	184.96	
			For Tinted Glass, Add	221.96	
			For Low-E Insulated Glass, Add	462.41	
			For Obscure Glass, Add	508.65	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	2,131.43	101.86
For Colored Vinyl, Add	192.77	
For Tinted Glass, Add	231.33	
For Low-E Insulated Glass, Add	481.93	
For Obscure Glass, Add	530.12	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	2,309.01	109.91
For Colored Vinyl, Add	208.92	
For Tinted Glass, Add	250.70	
For Low-E Insulated Glass, Add	522.30	
For Obscure Glass, Add	574.52	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	743.69	48.92
For Colored Vinyl, Add	64.59	
For Tinted Glass, Add	77.50	
For Low-E Insulated Glass, Add	161.47	
For Obscure Glass, Add	177.61	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	845.07	54.67
For Colored Vinyl, Add	73.57	
For Tinted Glass, Add	88.29	
For Low-E Insulated Glass, Add	183.93	
For Obscure Glass, Add	202.33	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	936.29	60.42
For Colored Vinyl, Add	81.54	
For Tinted Glass, Add	97.85	
For Low-E Insulated Glass, Add	203.86	
For Obscure Glass, Add	224.25	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,017.36	66.18
For Colored Vinyl, Add	88.50	
For Tinted Glass, Add	106.20	
For Low-E Insulated Glass, Add	221.25	
For Obscure Glass, Add	243.38	
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,088.27	71.93
For Colored Vinyl, Add	94.44	
For Tinted Glass, Add	113.33	
For Low-E Insulated Glass, Add	236.10	
For Obscure Glass, Add	259.71	
08 53 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,129.75	77.69
For Colored Vinyl, Add	97.44	
For Tinted Glass, Add	116.92	
For Low-E Insulated Glass, Add	243.59	
For Obscure Glass, Add	267.95	
08 53 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	11.15	0.74
For Colored Vinyl, Add	0.97	
For Tinted Glass, Add	1.16	
For Low-E Insulated Glass, Add	2.41	
For Obscure Glass, Add	2.65	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,251.35	60.42
For Colored Vinyl, Add	113.05	
For Tinted Glass, Add	135.66	
For Low-E Insulated Glass, Add	282.63	
For Obscure Glass, Add	310.89	
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,375.57	66.18
For Colored Vinyl, Add	124.32	
For Tinted Glass, Add	149.19	
For Low-E Insulated Glass, Add	310.81	
For Obscure Glass, Add	341.89	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,489.65	71.93
For Colored Vinyl, Add	134.58	
For Tinted Glass, Add	161.49	
For Low-E Insulated Glass, Add	336.45	
For Obscure Glass, Add	370.09	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,565.65	77.69
For Colored Vinyl, Add	141.03	
For Tinted Glass, Add	169.23	
For Low-E Insulated Glass, Add	352.57	
For Obscure Glass, Add	387.82	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,646.97	83.44
For Colored Vinyl, Add	148.01	
For Tinted Glass, Add	177.61	
For Low-E Insulated Glass, Add	370.02	
For Obscure Glass, Add	407.02	



		Openings	08	08
		Windows	08 50	
		Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,732.10	89.20
			For Colored Vinyl, Add	155.37	
			For Tinted Glass, Add	186.45	
			For Low-E Insulated Glass, Add	388.43	
			For Obscure Glass, Add	427.27	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	14.45	0.74
			For Colored Vinyl, Add	1.30	
			For Tinted Glass, Add	1.55	
			For Low-E Insulated Glass, Add	3.24	
			For Obscure Glass, Add	3.56	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)					
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,306.95	60.42
			For Colored Vinyl, Add	118.61	
			For Tinted Glass, Add	142.33	
			For Low-E Insulated Glass, Add	296.53	
			For Obscure Glass, Add	326.18	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,437.26	66.18
			For Colored Vinyl, Add	130.49	
			For Tinted Glass, Add	156.59	
			For Low-E Insulated Glass, Add	326.23	
			For Obscure Glass, Add	358.85	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,560.48	71.93
			For Colored Vinyl, Add	141.66	
			For Tinted Glass, Add	169.99	
			For Low-E Insulated Glass, Add	354.16	
			For Obscure Glass, Add	389.57	
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,642.58	77.69
			For Colored Vinyl, Add	148.72	
			For Tinted Glass, Add	178.46	
			For Low-E Insulated Glass, Add	371.80	
			For Obscure Glass, Add	408.98	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,730.75	83.44
			For Colored Vinyl, Add	156.39	
			For Tinted Glass, Add	187.66	
			For Low-E Insulated Glass, Add	390.97	
			For Obscure Glass, Add	430.06	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,823.50	89.20
			For Colored Vinyl, Add	164.51	
			For Tinted Glass, Add	197.41	
			For Low-E Insulated Glass, Add	411.28	
			For Obscure Glass, Add	452.41	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.21	0.74
			For Colored Vinyl, Add	1.37	
			For Tinted Glass, Add	1.65	
			For Low-E Insulated Glass, Add	3.43	
			For Obscure Glass, Add	3.77	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)					
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.					
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)					
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	750.24	47.19
			For Colored Vinyl, Add	65.59	
			For Tinted Glass, Add	78.70	
			For Low-E Insulated Glass, Add	163.97	
			For Obscure Glass, Add	180.36	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	785.30	49.49
			For Colored Vinyl, Add	68.63	
			For Tinted Glass, Add	82.36	
			For Low-E Insulated Glass, Add	171.58	
			For Obscure Glass, Add	188.74	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	839.06	53.52
			For Colored Vinyl, Add	73.20	
			For Tinted Glass, Add	87.84	
			For Low-E Insulated Glass, Add	183.01	
			For Obscure Glass, Add	201.31	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	873.55	56.40
			For Colored Vinyl, Add	76.08	
			For Tinted Glass, Add	91.29	
			For Low-E Insulated Glass, Add	190.19	
			For Obscure Glass, Add	209.21	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	930.18	61.00
		For Colored Vinyl, Add	80.82	
		For Tinted Glass, Add	96.98	
		For Low-E Insulated Glass, Add	202.05	
		For Obscure Glass, Add	222.25	
08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)				
08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	791.77	49.49
		For Colored Vinyl, Add	69.39	
		For Tinted Glass, Add	83.27	
		For Low-E Insulated Glass, Add	173.49	
		For Obscure Glass, Add	190.83	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	826.84	51.80
		For Colored Vinyl, Add	72.44	
		For Tinted Glass, Add	86.93	
		For Low-E Insulated Glass, Add	181.10	
		For Obscure Glass, Add	199.21	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	884.81	55.25
		For Colored Vinyl, Add	77.43	
		For Tinted Glass, Add	92.92	
		For Low-E Insulated Glass, Add	193.58	
		For Obscure Glass, Add	212.94	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	919.36	58.70
		For Colored Vinyl, Add	80.31	
		For Tinted Glass, Add	96.37	
		For Low-E Insulated Glass, Add	200.78	
		For Obscure Glass, Add	220.86	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	980.14	62.73
		For Colored Vinyl, Add	85.47	
		For Tinted Glass, Add	102.56	
		For Low-E Insulated Glass, Add	213.67	
		For Obscure Glass, Add	235.04	
08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)				
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	817.49	51.80
		For Colored Vinyl, Add	71.51	
		For Tinted Glass, Add	85.81	
		For Low-E Insulated Glass, Add	178.77	
		For Obscure Glass, Add	196.64	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	852.57	54.09
		For Colored Vinyl, Add	74.55	
		For Tinted Glass, Add	89.46	
		For Low-E Insulated Glass, Add	186.38	
		For Obscure Glass, Add	205.02	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	912.66	57.54
		For Colored Vinyl, Add	79.76	
		For Tinted Glass, Add	95.71	
		For Low-E Insulated Glass, Add	199.39	
		For Obscure Glass, Add	219.33	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	950.61	61.00
		For Colored Vinyl, Add	82.98	
		For Tinted Glass, Add	99.57	
		For Low-E Insulated Glass, Add	207.44	
		For Obscure Glass, Add	228.18	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,012.27	65.02
		For Colored Vinyl, Add	88.22	
		For Tinted Glass, Add	105.87	
		For Low-E Insulated Glass, Add	220.55	
		For Obscure Glass, Add	242.61	
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)				
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	843.28	54.09
		For Colored Vinyl, Add	73.62	
		For Tinted Glass, Add	88.35	
		For Low-E Insulated Glass, Add	184.06	
		For Obscure Glass, Add	202.47	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	878.34	56.40
		For Colored Vinyl, Add	76.67	
		For Tinted Glass, Add	92.00	
		For Low-E Insulated Glass, Add	191.68	
		For Obscure Glass, Add	210.84	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	940.58	59.85
		For Colored Vinyl, Add	82.09	
		For Tinted Glass, Add	98.51	
		For Low-E Insulated Glass, Add	205.22	
		For Obscure Glass, Add	225.74	



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	981.67	63.30
			For Colored Vinyl, Add	85.62	
			For Tinted Glass, Add	102.75	
			For Low-E Insulated Glass, Add	214.06	
			For Obscure Glass, Add	235.46	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,044.39	67.33
			For Colored Vinyl, Add	90.97	
			For Tinted Glass, Add	109.17	
			For Low-E Insulated Glass, Add	227.43	
			For Obscure Glass, Add	250.18	
08 53 13 00-0368			36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	995.14	63.88
			For Colored Vinyl, Add	86.74	
			For Tinted Glass, Add	104.09	
			For Low-E Insulated Glass, Add	216.85	
			For Obscure Glass, Add	238.53	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,036.29	66.76
			For Colored Vinyl, Add	90.28	
			For Tinted Glass, Add	108.33	
			For Low-E Insulated Glass, Add	225.70	
			For Obscure Glass, Add	248.26	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,103.22	71.36
			For Colored Vinyl, Add	96.05	
			For Tinted Glass, Add	115.26	
			For Low-E Insulated Glass, Add	240.13	
			For Obscure Glass, Add	264.14	
08 53 13 00-0372			Replacement, Awning Vinyl Windows (Silver Line 7400) (08 53 13 00-0341)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
			Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	784.05	48.92
			For Colored Vinyl, Add	68.62	
			For Tinted Glass, Add	82.35	
			For Low-E Insulated Glass, Add	171.56	
			For Obscure Glass, Add	188.71	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	909.04	54.67
			For Colored Vinyl, Add	79.97	
			For Tinted Glass, Add	95.96	
			For Low-E Insulated Glass, Add	199.93	
			For Obscure Glass, Add	219.92	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,028.96	60.42
			For Colored Vinyl, Add	90.81	
			For Tinted Glass, Add	108.97	
			For Low-E Insulated Glass, Add	227.03	
			For Obscure Glass, Add	249.73	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,143.79	66.18
			For Colored Vinyl, Add	101.14	
			For Tinted Glass, Add	121.37	
			For Low-E Insulated Glass, Add	252.86	
			For Obscure Glass, Add	278.15	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,253.55	71.93
			For Colored Vinyl, Add	110.97	
			For Tinted Glass, Add	133.16	
			For Low-E Insulated Glass, Add	277.42	
			For Obscure Glass, Add	305.16	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,309.24	77.69
			For Colored Vinyl, Add	115.39	
			For Tinted Glass, Add	138.46	
			For Low-E Insulated Glass, Add	288.47	
			For Obscure Glass, Add	317.31	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	12.92	0.74
			For Colored Vinyl, Add	1.14	
			For Tinted Glass, Add	1.37	
			For Low-E Insulated Glass, Add	2.86	
			For Obscure Glass, Add	3.14	
08 53 13 00-0380			Horizontal Sliding Vinyl Windows (08 53 13)		
08 53 13 00-0381			New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0380)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
			Excludes grilles.		
08 53 13 00-0382			20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	418.17	56.40
			For Colored Vinyl, Add	30.65	
			For Tinted Glass, Add	36.78	
			For Low-E Insulated Glass, Add	76.63	
			For Obscure Glass, Add	84.30	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	462.04	63.30
			For Colored Vinyl, Add	33.66	
			For Tinted Glass, Add	40.39	
			For Low-E Insulated Glass, Add	84.15	
			For Obscure Glass, Add	92.56	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	483.97	66.18
			For Colored Vinyl, Add	35.16	
			For Tinted Glass, Add	42.19	
			For Low-E Insulated Glass, Add	87.91	
			For Obscure Glass, Add	96.70	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	505.91	69.64
			For Colored Vinyl, Add	36.67	
			For Tinted Glass, Add	44.00	
			For Low-E Insulated Glass, Add	91.66	
			For Obscure Glass, Add	100.83	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	520.51	72.50
			For Colored Vinyl, Add	37.67	
			For Tinted Glass, Add	45.20	
			For Low-E Insulated Glass, Add	94.16	
			For Obscure Glass, Add	103.58	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	549.77	76.54
			For Colored Vinyl, Add	39.67	
			For Tinted Glass, Add	47.60	
			For Low-E Insulated Glass, Add	99.18	
			For Obscure Glass, Add	109.09	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	439.69	58.70
			For Colored Vinyl, Add	32.34	
			For Tinted Glass, Add	38.81	
			For Low-E Insulated Glass, Add	80.86	
			For Obscure Glass, Add	88.95	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	484.93	65.60
			For Colored Vinyl, Add	35.49	
			For Tinted Glass, Add	42.58	
			For Low-E Insulated Glass, Add	88.72	
			For Obscure Glass, Add	97.59	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	507.72	68.48
			For Colored Vinyl, Add	37.08	
			For Tinted Glass, Add	44.49	
			For Low-E Insulated Glass, Add	92.69	
			For Obscure Glass, Add	101.96	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	530.21	71.93
			For Colored Vinyl, Add	38.64	
			For Tinted Glass, Add	46.36	
			For Low-E Insulated Glass, Add	96.59	
			For Obscure Glass, Add	106.25	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	545.28	74.81
			For Colored Vinyl, Add	39.68	
			For Tinted Glass, Add	47.62	
			For Low-E Insulated Glass, Add	99.20	
			For Obscure Glass, Add	109.12	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	575.45	78.84
			For Colored Vinyl, Add	41.78	
			For Tinted Glass, Add	50.13	
			For Low-E Insulated Glass, Add	104.45	
			For Obscure Glass, Add	114.89	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	504.68	65.60
			For Colored Vinyl, Add	37.46	
			For Tinted Glass, Add	44.95	
			For Low-E Insulated Glass, Add	93.66	
			For Obscure Glass, Add	103.02	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	554.32	72.50
			For Colored Vinyl, Add	41.05	
			For Tinted Glass, Add	49.26	
			For Low-E Insulated Glass, Add	102.62	
			For Obscure Glass, Add	112.88	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.21	75.38
			For Colored Vinyl, Add	42.84	
			For Tinted Glass, Add	51.41	
			For Low-E Insulated Glass, Add	107.11	
			For Obscure Glass, Add	117.82	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	604.03	78.84
			For Colored Vinyl, Add	44.64	
			For Tinted Glass, Add	53.56	
			For Low-E Insulated Glass, Add	111.59	
			For Obscure Glass, Add	122.75	



Openings			08
Windows			08 50
Plastic Windows			08 53

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	620.62	80.57
			For Colored Vinyl, Add	45.83	
			For Tinted Glass, Add	55.00	
			For Low-E Insulated Glass, Add	114.59	
			For Obscure Glass, Add	126.04	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	653.75	85.74
			For Colored Vinyl, Add	48.23	
			For Tinted Glass, Add	57.87	
			For Low-E Insulated Glass, Add	120.57	
			For Obscure Glass, Add	132.62	
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	537.17	69.05
			For Colored Vinyl, Add	40.02	
			For Tinted Glass, Add	48.03	
			For Low-E Insulated Glass, Add	100.05	
			For Obscure Glass, Add	110.06	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	589.06	75.96
			For Colored Vinyl, Add	43.83	
			For Tinted Glass, Add	52.59	
			For Low-E Insulated Glass, Add	109.57	
			For Obscure Glass, Add	120.53	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.05	78.84
			For Colored Vinyl, Add	45.74	
			For Tinted Glass, Add	54.89	
			For Low-E Insulated Glass, Add	114.35	
			For Obscure Glass, Add	125.78	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	641.00	82.29
			For Colored Vinyl, Add	47.64	
			For Tinted Glass, Add	57.17	
			For Low-E Insulated Glass, Add	119.11	
			For Obscure Glass, Add	131.02	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	658.25	85.17
			For Colored Vinyl, Add	48.91	
			For Tinted Glass, Add	58.69	
			For Low-E Insulated Glass, Add	122.27	
			For Obscure Glass, Add	134.49	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.89	89.20
			For Colored Vinyl, Add	51.45	
			For Tinted Glass, Add	61.74	
			For Low-E Insulated Glass, Add	128.63	
			For Obscure Glass, Add	141.49	
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	548.00	70.21
			For Colored Vinyl, Add	40.87	
			For Tinted Glass, Add	49.05	
			For Low-E Insulated Glass, Add	102.19	
			For Obscure Glass, Add	112.40	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	600.65	77.12
			For Colored Vinyl, Add	44.76	
			For Tinted Glass, Add	53.71	
			For Low-E Insulated Glass, Add	111.90	
			For Obscure Glass, Add	123.08	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.96	79.99
			For Colored Vinyl, Add	46.70	
			For Tinted Glass, Add	56.04	
			For Low-E Insulated Glass, Add	116.75	
			For Obscure Glass, Add	128.42	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	653.30	83.44
			For Colored Vinyl, Add	48.64	
			For Tinted Glass, Add	58.37	
			For Low-E Insulated Glass, Add	121.61	
			For Obscure Glass, Add	133.77	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	670.86	86.32
			For Colored Vinyl, Add	49.94	
			For Tinted Glass, Add	59.92	
			For Low-E Insulated Glass, Add	124.84	
			For Obscure Glass, Add	137.33	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	705.92	90.34
			For Colored Vinyl, Add	52.52	
			For Tinted Glass, Add	63.03	
			For Low-E Insulated Glass, Add	131.31	
			For Obscure Glass, Add	144.44	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	558.84	71.36
		For Colored Vinyl, Add	41.73	
		For Tinted Glass, Add	50.07	
		For Low-E Insulated Glass, Add	104.32	
		For Obscure Glass, Add	114.75	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	612.20	78.26
		For Colored Vinyl, Add	45.68	
		For Tinted Glass, Add	54.82	
		For Low-E Insulated Glass, Add	114.21	
		For Obscure Glass, Add	125.63	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	638.90	81.14
		For Colored Vinyl, Add	47.66	
		For Tinted Glass, Add	57.19	
		For Low-E Insulated Glass, Add	119.16	
		For Obscure Glass, Add	131.07	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	665.57	84.60
		For Colored Vinyl, Add	49.64	
		For Tinted Glass, Add	59.57	
		For Low-E Insulated Glass, Add	124.10	
		For Obscure Glass, Add	136.50	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	683.37	87.47
		For Colored Vinyl, Add	50.96	
		For Tinted Glass, Add	61.15	
		For Low-E Insulated Glass, Add	127.40	
		For Obscure Glass, Add	140.13	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	718.97	91.50
		For Colored Vinyl, Add	53.60	
		For Tinted Glass, Add	64.32	
		For Low-E Insulated Glass, Add	134.00	
		For Obscure Glass, Add	147.39	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	569.66	72.50
		For Colored Vinyl, Add	42.58	
		For Tinted Glass, Add	51.10	
		For Low-E Insulated Glass, Add	106.45	
		For Obscure Glass, Add	117.10	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	623.78	79.41
		For Colored Vinyl, Add	46.61	
		For Tinted Glass, Add	55.93	
		For Low-E Insulated Glass, Add	116.53	
		For Obscure Glass, Add	128.18	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	650.85	82.29
		For Colored Vinyl, Add	48.63	
		For Tinted Glass, Add	58.35	
		For Low-E Insulated Glass, Add	121.57	
		For Obscure Glass, Add	133.72	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.87	85.74
		For Colored Vinyl, Add	50.64	
		For Tinted Glass, Add	60.77	
		For Low-E Insulated Glass, Add	126.60	
		For Obscure Glass, Add	139.25	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.93	88.62
		For Colored Vinyl, Add	51.98	
		For Tinted Glass, Add	62.38	
		For Low-E Insulated Glass, Add	129.96	
		For Obscure Glass, Add	142.95	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	732.04	92.65
		For Colored Vinyl, Add	54.67	
		For Tinted Glass, Add	65.61	
		For Low-E Insulated Glass, Add	136.69	
		For Obscure Glass, Add	150.35	
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	580.50	73.66
		For Colored Vinyl, Add	43.43	
		For Tinted Glass, Add	52.12	
		For Low-E Insulated Glass, Add	108.58	
		For Obscure Glass, Add	119.44	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	635.33	80.57
		For Colored Vinyl, Add	47.54	
		For Tinted Glass, Add	57.04	
		For Low-E Insulated Glass, Add	118.84	
		For Obscure Glass, Add	130.72	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	662.75	83.44
		For Colored Vinyl, Add	49.59	
		For Tinted Glass, Add	59.50	
		For Low-E Insulated Glass, Add	123.97	
		For Obscure Glass, Add	136.36	



Openings			08	08
Windows			08 50	
Plastic Windows			08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	690.17	86.89
			For Colored Vinyl, Add	51.64	
			For Tinted Glass, Add	61.97	
			For Low-E Insulated Glass, Add	129.10	
			For Obscure Glass, Add	142.00	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	708.48	89.77
			For Colored Vinyl, Add	53.01	
			For Tinted Glass, Add	63.61	
			For Low-E Insulated Glass, Add	132.52	
			For Obscure Glass, Add	145.77	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	745.06	93.80
			For Colored Vinyl, Add	55.75	
			For Tinted Glass, Add	66.90	
			For Low-E Insulated Glass, Add	139.37	
			For Obscure Glass, Add	153.30	
08 53 13 00-0438			52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	591.33	74.81
			For Colored Vinyl, Add	44.29	
			For Tinted Glass, Add	53.14	
			For Low-E Insulated Glass, Add	110.72	
			For Obscure Glass, Add	121.79	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	646.93	81.72
			For Colored Vinyl, Add	48.47	
			For Tinted Glass, Add	58.16	
			For Low-E Insulated Glass, Add	121.16	
			For Obscure Glass, Add	133.28	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	674.70	84.60
			For Colored Vinyl, Add	50.55	
			For Tinted Glass, Add	60.66	
			For Low-E Insulated Glass, Add	126.38	
			For Obscure Glass, Add	139.02	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	702.53	88.05
			For Colored Vinyl, Add	52.64	
			For Tinted Glass, Add	63.17	
			For Low-E Insulated Glass, Add	131.61	
			For Obscure Glass, Add	144.77	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	721.05	90.93
			For Colored Vinyl, Add	54.04	
			For Tinted Glass, Add	64.84	
			For Low-E Insulated Glass, Add	135.09	
			For Obscure Glass, Add	148.60	
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	758.12	94.95
			For Colored Vinyl, Add	56.82	
			For Tinted Glass, Add	68.19	
			For Low-E Insulated Glass, Add	142.06	
			For Obscure Glass, Add	156.26	
08 53 13 00-0445			54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	602.16	75.96
			For Colored Vinyl, Add	45.14	
			For Tinted Glass, Add	54.17	
			For Low-E Insulated Glass, Add	112.85	
			For Obscure Glass, Add	124.13	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	658.47	82.86
			For Colored Vinyl, Add	49.39	
			For Tinted Glass, Add	59.27	
			For Low-E Insulated Glass, Add	123.47	
			For Obscure Glass, Add	135.82	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	686.65	85.74
			For Colored Vinyl, Add	51.52	
			For Tinted Glass, Add	61.82	
			For Low-E Insulated Glass, Add	128.79	
			For Obscure Glass, Add	141.67	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	714.83	89.20
			For Colored Vinyl, Add	53.64	
			For Tinted Glass, Add	64.37	
			For Low-E Insulated Glass, Add	134.11	
			For Obscure Glass, Add	147.52	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	733.59	92.08
			For Colored Vinyl, Add	55.06	
			For Tinted Glass, Add	66.07	
			For Low-E Insulated Glass, Add	137.65	
			For Obscure Glass, Add	151.42	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	771.14	96.10
			For Colored Vinyl, Add	57.89	
			For Tinted Glass, Add	69.47	
			For Low-E Insulated Glass, Add	144.74	
			For Obscure Glass, Add	159.21	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 53 13 00-0452	60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0453	EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	657.14		79.41	
	For Colored Vinyl, Add	49.95			
	For Tinted Glass, Add	59.94			
	For Low-E Insulated Glass, Add	124.87			
	For Obscure Glass, Add	137.35			
08 53 13 00-0454	EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	693.20		86.32	
	For Colored Vinyl, Add	52.17			
	For Tinted Glass, Add	62.61			
	For Low-E Insulated Glass, Add	130.43			
	For Obscure Glass, Add	143.47			
08 53 13 00-0455	EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	722.49		89.20	
	For Colored Vinyl, Add	54.41			
	For Tinted Glass, Add	65.29			
	For Low-E Insulated Glass, Add	136.03			
	For Obscure Glass, Add	149.63			
08 53 13 00-0456	EA 60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	751.74		92.65	
	For Colored Vinyl, Add	56.64			
	For Tinted Glass, Add	67.97			
	For Low-E Insulated Glass, Add	141.61			
	For Obscure Glass, Add	155.77			
08 53 13 00-0457	EA 64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	771.27		95.53	
	For Colored Vinyl, Add	58.14			
	For Tinted Glass, Add	69.76			
	For Low-E Insulated Glass, Add	145.34			
	For Obscure Glass, Add	159.88			
08 53 13 00-0458	EA 72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	810.29		99.55	
	For Colored Vinyl, Add	61.12			
	For Tinted Glass, Add	73.34			
	For Low-E Insulated Glass, Add	152.80			
	For Obscure Glass, Add	168.07			
08 53 13 00-0459	Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) (08 53 13 00-0390) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).				
08 53 13 00-0460	EA Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	695.37		60.42	
	For Colored Vinyl, Add	57.45			
	For Tinted Glass, Add	68.94			
	For Low-E Insulated Glass, Add	143.63			
	For Obscure Glass, Add	157.99			
08 53 13 00-0461	EA >73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	764.50		66.18	
	For Colored Vinyl, Add	63.22			
	For Tinted Glass, Add	75.86			
	For Low-E Insulated Glass, Add	158.04			
	For Obscure Glass, Add	173.84			
08 53 13 00-0462	EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	828.56		71.93	
	For Colored Vinyl, Add	68.47			
	For Tinted Glass, Add	82.16			
	For Low-E Insulated Glass, Add	171.18			
	For Obscure Glass, Add	188.29			
08 53 13 00-0463	EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	873.34		77.69	
	For Colored Vinyl, Add	71.80			
	For Tinted Glass, Add	86.16			
	For Low-E Insulated Glass, Add	179.49			
	For Obscure Glass, Add	197.44			
08 53 13 00-0464	EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	920.89		83.44	
	For Colored Vinyl, Add	75.40			
	For Tinted Glass, Add	90.48			
	For Low-E Insulated Glass, Add	188.50			
	For Obscure Glass, Add	207.35			
08 53 13 00-0465	EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,000.94		89.20	
	For Colored Vinyl, Add	82.26			
	For Tinted Glass, Add	98.71			
	For Low-E Insulated Glass, Add	205.64			
	For Obscure Glass, Add	226.20			
08 53 13 00-0466	UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	8.35		0.74	
	For Colored Vinyl, Add	0.69			
	For Tinted Glass, Add	0.82			
	For Low-E Insulated Glass, Add	1.71			
	For Obscure Glass, Add	1.88			
08 53 13 00-0467	Basement Vinyl Windows (08 53 13)				
08 53 13 00-0468	New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.				
08 53 13 00-0469	EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	396.73		46.04	
	For Colored Vinyl, Add	30.47			
	For Tinted Glass, Add	36.56			
	For Low-E Insulated Glass, Add	76.16			
	For Obscure Glass, Add	83.78			



		Openings	08
		Windows	08 50
		Plastic Windows	08 53

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	432.27	46.04
For Colored Vinyl, Add	34.02	
For Tinted Glass, Add	40.82	
For Low-E Insulated Glass, Add	85.05	
For Obscure Glass, Add	93.55	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	452.58	46.04
For Colored Vinyl, Add	36.05	
For Tinted Glass, Add	43.26	
For Low-E Insulated Glass, Add	90.13	
For Obscure Glass, Add	99.14	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	521.36	44.89
For Colored Vinyl, Add	43.16	
For Tinted Glass, Add	51.79	
For Low-E Insulated Glass, Add	107.90	
For Obscure Glass, Add	118.69	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	578.33	51.80
For Colored Vinyl, Add	47.48	
For Tinted Glass, Add	56.97	
For Low-E Insulated Glass, Add	118.69	
For Obscure Glass, Add	130.56	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window	10.13	0.74
For Colored Vinyl, Add	0.86	
For Tinted Glass, Add	1.04	
For Low-E Insulated Glass, Add	2.16	
For Obscure Glass, Add	2.37	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	71.08	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	91.39	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.71	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	138.94	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	170.79	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	161.56	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	193.87	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	244.64	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	304.65	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	364.66	
08 53 66 Vinyl Window Screens (08 53)		
08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows	67.08	10.46
08 53 66 00-0003 EA >6 To 9 SF, Insect Screen For Vinyl Windows	94.77	10.46
08 53 66 00-0004 EA >9 To 12 SF, Insect Screen For Vinyl Windows	104.01	10.46
08 53 66 00-0005 EA >12 To 15 SF, Insect Screen For Vinyl Windows	122.47	10.46
08 53 66 00-0006 EA >15 To 20 SF, Insect Screen For Vinyl Windows	164.01	10.46
08 53 66 00-0007 EA >20 To 25 SF, Insect Screen For Vinyl Windows	182.48	10.46
08 53 66 00-0008 EA >25 To 30 SF, Insect Screen For Vinyl Windows	210.17	10.46
08 53 66 00-0009 EA >30 To 35 SF, Insect Screen For Vinyl Windows	228.64	10.46
08 53 66 00-0010 SF >35 SF, Insect Screen For Vinyl Windows.....	6.98	0.21
08 54 Composite Windows (08 50)		
08 54 13 Fiberglass Windows (08 54)		
08 54 13 00-0001 Single Hung Fiberglass Windows (08 54 13)		
08 54 13 00-0002 New Construction, Single Hung Fiberglass Windows (08 54 13 00-0001)		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0003 34" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0004	EA		24" x 34", New Construction, Single Hung Fiberglass Window.....	996.93	52.94
			For Colored Vinyl, Add	89.10	
			For Tinted Glass, Add	106.92	
			For Low-E Insulated Glass, Add	222.76	
			For Obscure Glass, Add	245.04	
08 54 13 00-0005	EA		28" x 34", New Construction, Single Hung Fiberglass Window.....	1,051.14	55.25
			For Colored Vinyl, Add	94.07	
			For Tinted Glass, Add	112.88	
			For Low-E Insulated Glass, Add	235.16	
			For Obscure Glass, Add	258.68	
08 54 13 00-0006	EA		30" x 34", New Construction, Single Hung Fiberglass Window.....	1,072.64	56.40
			For Colored Vinyl, Add	95.99	
			For Tinted Glass, Add	115.18	
			For Low-E Insulated Glass, Add	239.96	
			For Obscure Glass, Add	263.96	
08 54 13 00-0007	EA		32" x 34", New Construction, Single Hung Fiberglass Window.....	1,096.59	57.54
			For Colored Vinyl, Add	98.15	
			For Tinted Glass, Add	117.78	
			For Low-E Insulated Glass, Add	245.38	
			For Obscure Glass, Add	269.91	
08 54 13 00-0008	EA		36" x 34", New Construction, Single Hung Fiberglass Window.....	1,161.95	59.85
			For Colored Vinyl, Add	104.23	
			For Tinted Glass, Add	125.07	
			For Low-E Insulated Glass, Add	260.56	
			For Obscure Glass, Add	286.62	
08 54 13 00-0009	EA		44" x 34", New Construction, Single Hung Fiberglass Window.....	1,262.95	64.45
			For Colored Vinyl, Add	113.41	
			For Tinted Glass, Add	136.09	
			For Low-E Insulated Glass, Add	283.51	
			For Obscure Glass, Add	311.86	
08 54 13 00-0010			36" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0011	EA		24" x 36", New Construction, Single Hung Fiberglass Window.....	1,016.66	54.09
			For Colored Vinyl, Add	90.85	
			For Tinted Glass, Add	109.02	
			For Low-E Insulated Glass, Add	227.12	
			For Obscure Glass, Add	249.83	
08 54 13 00-0012	EA		28" x 36", New Construction, Single Hung Fiberglass Window.....	1,070.95	55.25
			For Colored Vinyl, Add	95.82	
			For Tinted Glass, Add	114.98	
			For Low-E Insulated Glass, Add	239.54	
			For Obscure Glass, Add	263.49	
08 54 13 00-0013	EA		30" x 36", New Construction, Single Hung Fiberglass Window.....	1,092.45	57.54
			For Colored Vinyl, Add	97.74	
			For Tinted Glass, Add	117.28	
			For Low-E Insulated Glass, Add	244.34	
			For Obscure Glass, Add	268.77	
08 54 13 00-0014	EA		32" x 36", New Construction, Single Hung Fiberglass Window.....	1,116.41	58.70
			For Colored Vinyl, Add	99.90	
			For Tinted Glass, Add	119.88	
			For Low-E Insulated Glass, Add	249.76	
			For Obscure Glass, Add	274.73	
08 54 13 00-0015	EA		36" x 36", New Construction, Single Hung Fiberglass Window.....	1,181.70	61.00
			For Colored Vinyl, Add	105.97	
			For Tinted Glass, Add	127.16	
			For Low-E Insulated Glass, Add	264.93	
			For Obscure Glass, Add	291.42	
08 54 13 00-0016	EA		44" x 36", New Construction, Single Hung Fiberglass Window.....	1,282.70	65.60
			For Colored Vinyl, Add	115.15	
			For Tinted Glass, Add	138.18	
			For Low-E Insulated Glass, Add	287.87	
			For Obscure Glass, Add	316.66	
08 54 13 00-0017			38" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0018	EA		24" x 38", New Construction, Single Hung Fiberglass Window.....	1,035.65	55.25
			For Colored Vinyl, Add	92.52	
			For Tinted Glass, Add	111.02	
			For Low-E Insulated Glass, Add	231.29	
			For Obscure Glass, Add	254.42	
08 54 13 00-0019	EA		28" x 38", New Construction, Single Hung Fiberglass Window.....	1,089.93	57.54
			For Colored Vinyl, Add	97.48	
			For Tinted Glass, Add	116.98	
			For Low-E Insulated Glass, Add	243.71	
			For Obscure Glass, Add	268.08	
08 54 13 00-0020	EA		30" x 38", New Construction, Single Hung Fiberglass Window.....	1,112.48	58.70
			For Colored Vinyl, Add	99.51	
			For Tinted Glass, Add	119.41	
			For Low-E Insulated Glass, Add	248.77	
			For Obscure Glass, Add	273.65	
08 54 13 00-0021	EA		32" x 38", New Construction, Single Hung Fiberglass Window.....	1,136.51	59.85
			For Colored Vinyl, Add	101.68	
			For Tinted Glass, Add	122.02	
			For Low-E Insulated Glass, Add	254.20	
			For Obscure Glass, Add	279.62	



		Openings	08	08
		Windows	08 50	
		Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0022 EA 36" x 38", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,203.06 107.88 129.45 269.69 296.66	62.15
08 54 13 00-0023 EA 44" x 38", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,305.74 117.22 140.67 293.06 322.36	66.76
08 54 13 00-0024 44" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0025 EA 24" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,094.05 97.67 117.20 244.17 268.58	58.70
08 54 13 00-0026 EA 28" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,148.27 102.63 123.15 256.57 282.22	61.00
08 54 13 00-0027 EA 30" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,174.54 105.02 126.03 262.56 288.82	62.15
08 54 13 00-0028 EA 32" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,198.50 107.19 128.63 267.97 294.77	63.30
08 54 13 00-0029 EA 36" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,268.76 113.76 136.51 284.39 312.83	65.60
08 54 13 00-0030 EA 44" x 44", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,375.99 123.56 148.27 308.90 339.78	70.21
08 54 13 00-0031 46" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0032 EA 24" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,113.81 99.41 119.29 248.53 273.38	59.85
08 54 13 00-0033 EA 28" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,168.09 104.38 125.25 260.95 287.04	62.15
08 54 13 00-0034 EA 30" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,195.42 106.88 128.26 267.20 293.92	63.30
08 54 13 00-0035 EA 32" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,219.43 109.05 130.86 272.63 299.90	64.45
08 54 13 00-0036 EA 36" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,290.75 115.72 138.87 289.31 318.24	66.76
08 54 13 00-0037 EA 44" x 46", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,399.73 125.70 150.84 314.26 345.68	71.36
08 54 13 00-0038 48" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0039 EA 24" x 48", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,133.91 101.19 121.43 252.98 278.28	61.00

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0040	EA		28" x 48", New Construction, Single Hung Fiberglass Window.....	1,188.13	63.30
			For Colored Vinyl, Add	106.15	
			For Tinted Glass, Add	127.38	
			For Low-E Insulated Glass, Add	265.38	
			For Obscure Glass, Add	291.92	
08 54 13 00-0041	EA		30" x 48", New Construction, Single Hung Fiberglass Window.....	1,216.63	64.45
			For Colored Vinyl, Add	108.77	
			For Tinted Glass, Add	130.53	
			For Low-E Insulated Glass, Add	271.93	
			For Obscure Glass, Add	299.13	
08 54 13 00-0042	EA		32" x 48", New Construction, Single Hung Fiberglass Window.....	1,240.59	65.60
			For Colored Vinyl, Add	110.94	
			For Tinted Glass, Add	133.13	
			For Low-E Insulated Glass, Add	277.35	
			For Obscure Glass, Add	305.08	
08 54 13 00-0043	EA		36" x 48", New Construction, Single Hung Fiberglass Window.....	1,313.23	67.90
			For Colored Vinyl, Add	117.74	
			For Tinted Glass, Add	141.29	
			For Low-E Insulated Glass, Add	294.36	
			For Obscure Glass, Add	323.79	
08 54 13 00-0044	EA		44" x 48", New Construction, Single Hung Fiberglass Window.....	1,423.69	72.50
			For Colored Vinyl, Add	127.87	
			For Tinted Glass, Add	153.44	
			For Low-E Insulated Glass, Add	319.67	
			For Obscure Glass, Add	351.63	
08 54 13 00-0045 50" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)					
08 54 13 00-0046	EA		24" x 50", New Construction, Single Hung Fiberglass Window.....	1,152.82	62.15
			For Colored Vinyl, Add	102.85	
			For Tinted Glass, Add	123.42	
			For Low-E Insulated Glass, Add	257.13	
			For Obscure Glass, Add	282.84	
08 54 13 00-0047	EA		28" x 50", New Construction, Single Hung Fiberglass Window.....	1,207.10	64.45
			For Colored Vinyl, Add	107.82	
			For Tinted Glass, Add	129.38	
			For Low-E Insulated Glass, Add	269.55	
			For Obscure Glass, Add	296.51	
08 54 13 00-0048	EA		30" x 50", New Construction, Single Hung Fiberglass Window.....	1,236.81	65.60
			For Colored Vinyl, Add	110.56	
			For Tinted Glass, Add	132.67	
			For Low-E Insulated Glass, Add	276.40	
			For Obscure Glass, Add	304.04	
08 54 13 00-0049	EA		32" x 50", New Construction, Single Hung Fiberglass Window.....	1,260.83	66.76
			For Colored Vinyl, Add	112.73	
			For Tinted Glass, Add	135.28	
			For Low-E Insulated Glass, Add	281.83	
			For Obscure Glass, Add	310.01	
08 54 13 00-0050	EA		36" x 50", New Construction, Single Hung Fiberglass Window.....	1,334.52	69.05
			For Colored Vinyl, Add	119.64	
			For Tinted Glass, Add	143.57	
			For Low-E Insulated Glass, Add	299.10	
			For Obscure Glass, Add	329.01	
08 54 13 00-0051	EA		44" x 50", New Construction, Single Hung Fiberglass Window.....	1,446.51	73.66
			For Colored Vinyl, Add	129.92	
			For Tinted Glass, Add	155.90	
			For Low-E Insulated Glass, Add	324.80	
			For Obscure Glass, Add	357.28	
08 54 13 00-0052 52" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)					
08 54 13 00-0053	EA		24" x 52", New Construction, Single Hung Fiberglass Window.....	1,171.94	63.30
			For Colored Vinyl, Add	104.53	
			For Tinted Glass, Add	125.44	
			For Low-E Insulated Glass, Add	261.33	
			For Obscure Glass, Add	287.47	
08 54 13 00-0054	EA		28" x 52", New Construction, Single Hung Fiberglass Window.....	1,226.23	65.60
			For Colored Vinyl, Add	109.50	
			For Tinted Glass, Add	131.40	
			For Low-E Insulated Glass, Add	273.76	
			For Obscure Glass, Add	301.13	
08 54 13 00-0055	EA		30" x 52", New Construction, Single Hung Fiberglass Window.....	1,257.18	66.76
			For Colored Vinyl, Add	112.37	
			For Tinted Glass, Add	134.84	
			For Low-E Insulated Glass, Add	280.92	
			For Obscure Glass, Add	309.01	
08 54 13 00-0056	EA		32" x 52", New Construction, Single Hung Fiberglass Window.....	1,281.14	67.90
			For Colored Vinyl, Add	114.53	
			For Tinted Glass, Add	137.44	
			For Low-E Insulated Glass, Add	286.33	
			For Obscure Glass, Add	314.97	
08 54 13 00-0057	EA		36" x 52", New Construction, Single Hung Fiberglass Window.....	1,356.16	70.21
			For Colored Vinyl, Add	121.58	
			For Tinted Glass, Add	145.89	
			For Low-E Insulated Glass, Add	303.94	
			For Obscure Glass, Add	334.33	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0058	EA		44" x 52", New Construction, Single Hung Fiberglass Window.....	1,469.71	74.81
			For Colored Vinyl, Add	132.01	
			For Tinted Glass, Add	158.41	
			For Low-E Insulated Glass, Add	330.02	
			For Obscure Glass, Add	363.02	
08 54 13 00-0059			54" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0060	EA		24" x 54", New Construction, Single Hung Fiberglass Window.....	1,190.98	64.45
			For Colored Vinyl, Add	106.21	
			For Tinted Glass, Add	127.45	
			For Low-E Insulated Glass, Add	265.52	
			For Obscure Glass, Add	292.07	
08 54 13 00-0061	EA		28" x 54", New Construction, Single Hung Fiberglass Window.....	1,245.27	66.76
			For Colored Vinyl, Add	111.18	
			For Tinted Glass, Add	133.41	
			For Low-E Insulated Glass, Add	277.94	
			For Obscure Glass, Add	305.73	
08 54 13 00-0062	EA		30" x 54", New Construction, Single Hung Fiberglass Window.....	1,277.35	67.90
			For Colored Vinyl, Add	114.15	
			For Tinted Glass, Add	136.98	
			For Low-E Insulated Glass, Add	285.39	
			For Obscure Glass, Add	313.92	
08 54 13 00-0063	EA		32" x 54", New Construction, Single Hung Fiberglass Window.....	1,301.38	69.05
			For Colored Vinyl, Add	116.33	
			For Tinted Glass, Add	139.59	
			For Low-E Insulated Glass, Add	290.82	
			For Obscure Glass, Add	319.90	
08 54 13 00-0064	EA		36" x 54", New Construction, Single Hung Fiberglass Window.....	1,377.45	71.36
			For Colored Vinyl, Add	123.47	
			For Tinted Glass, Add	148.17	
			For Low-E Insulated Glass, Add	308.69	
			For Obscure Glass, Add	339.55	
08 54 13 00-0065	EA		44" x 54", New Construction, Single Hung Fiberglass Window.....	1,492.54	75.96
			For Colored Vinyl, Add	134.06	
			For Tinted Glass, Add	160.87	
			For Low-E Insulated Glass, Add	335.16	
			For Obscure Glass, Add	368.67	
08 54 13 00-0066			60" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0067	EA		24" x 60", New Construction, Single Hung Fiberglass Window.....	1,250.38	67.90
			For Colored Vinyl, Add	111.46	
			For Tinted Glass, Add	133.75	
			For Low-E Insulated Glass, Add	278.64	
			For Obscure Glass, Add	306.51	
08 54 13 00-0068	EA		28" x 60", New Construction, Single Hung Fiberglass Window.....	1,304.66	70.21
			For Colored Vinyl, Add	116.43	
			For Tinted Glass, Add	139.71	
			For Low-E Insulated Glass, Add	291.06	
			For Obscure Glass, Add	320.17	
08 54 13 00-0069	EA		30" x 60", New Construction, Single Hung Fiberglass Window.....	1,340.10	71.36
			For Colored Vinyl, Add	119.74	
			For Tinted Glass, Add	143.69	
			For Low-E Insulated Glass, Add	299.35	
			For Obscure Glass, Add	329.28	
08 54 13 00-0070	EA		32" x 60", New Construction, Single Hung Fiberglass Window.....	1,364.13	72.50
			For Colored Vinyl, Add	121.91	
			For Tinted Glass, Add	146.29	
			For Low-E Insulated Glass, Add	304.78	
			For Obscure Glass, Add	335.26	
08 54 13 00-0071	EA		36" x 60", New Construction, Single Hung Fiberglass Window.....	1,443.85	74.81
			For Colored Vinyl, Add	129.42	
			For Tinted Glass, Add	155.31	
			For Low-E Insulated Glass, Add	323.56	
			For Obscure Glass, Add	355.91	
08 54 13 00-0072	EA		44" x 60", New Construction, Single Hung Fiberglass Window.....	1,563.70	79.41
			For Colored Vinyl, Add	140.49	
			For Tinted Glass, Add	168.58	
			For Low-E Insulated Glass, Add	351.22	
			For Obscure Glass, Add	386.34	
08 54 13 00-0073			62" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0074	EA		24" x 62", New Construction, Single Hung Fiberglass Window.....	1,269.49	69.05
			For Colored Vinyl, Add	113.14	
			For Tinted Glass, Add	135.77	
			For Low-E Insulated Glass, Add	282.85	
			For Obscure Glass, Add	311.13	
08 54 13 00-0075	EA		28" x 62", New Construction, Single Hung Fiberglass Window.....	1,323.70	71.36
			For Colored Vinyl, Add	118.10	
			For Tinted Glass, Add	141.72	
			For Low-E Insulated Glass, Add	295.25	
			For Obscure Glass, Add	324.77	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0076	EA	30" x 62", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,360.63 121.56 145.87 303.90 334.29	72.50
08 54 13 00-0077	EA	32" x 62", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,384.57 123.73 148.47 309.32 340.25	73.66
08 54 13 00-0078	EA	36" x 62", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,465.42 131.35 157.62 328.38 361.21	75.96
08 54 13 00-0079	EA	44" x 62", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,586.96 142.58 171.10 356.46 392.10	80.57
08 54 13 00-0080 66" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)				
08 54 13 00-0081	EA	24" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,308.50 116.58 139.89 291.45 320.59	71.36
08 54 13 00-0082	EA	28" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,362.78 121.55 145.86 303.87 334.25	73.66
08 54 13 00-0083	EA	30" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,401.88 125.23 150.27 313.07 344.37	74.81
08 54 13 00-0084	EA	32" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,425.83 127.39 152.87 318.48 350.33	75.96
08 54 13 00-0085	EA	36" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,509.20 135.27 162.32 338.17 371.98	78.26
08 54 13 00-0086	EA	44" x 66", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,633.68 146.79 176.15 366.99 403.68	82.86
08 54 13 00-0087 72" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)				
08 54 13 00-0088	EA	24" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,367.89 121.83 146.19 304.57 335.02	74.81
08 54 13 00-0089	EA	28" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,422.10 126.79 152.15 316.97 348.67	77.12
08 54 13 00-0090	EA	30" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,461.20 130.47 156.56 326.17 358.78	78.26
08 54 13 00-0091	EA	32" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,485.22 132.64 159.17 331.60 364.76	79.41
08 54 13 00-0092	EA	36" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,568.58 140.52 168.62 351.29 386.42	81.72
08 54 13 00-0093	EA	44" x 72", New Construction, Single Hung Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	1,693.06 152.04 182.45 380.11 418.12	86.32



Openings		08	08
Windows		08 50	
Composite Windows		08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0094			Replacement, Single Hung Fiberglass Windows (08 54 13 00-0001) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,550.60	60.42
			For Colored Vinyl, Add	142.98	
			For Tinted Glass, Add	171.57	
			For Low-E Insulated Glass, Add	357.44	
			For Obscure Glass, Add	393.18	
08 54 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Fiberglass Window	1,699.93	66.18
			For Colored Vinyl, Add	156.76	
			For Tinted Glass, Add	188.11	
			For Low-E Insulated Glass, Add	391.90	
			For Obscure Glass, Add	431.08	
08 54 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Fiberglass Window	1,835.26	71.93
			For Colored Vinyl, Add	169.14	
			For Tinted Glass, Add	202.97	
			For Low-E Insulated Glass, Add	422.85	
			For Obscure Glass, Add	465.14	
08 54 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Fiberglass Window	1,921.61	77.69
			For Colored Vinyl, Add	176.62	
			For Tinted Glass, Add	211.95	
			For Low-E Insulated Glass, Add	441.56	
			For Obscure Glass, Add	485.71	
08 54 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Fiberglass Window	2,013.56	83.44
			For Colored Vinyl, Add	184.67	
			For Tinted Glass, Add	221.60	
			For Low-E Insulated Glass, Add	461.67	
			For Obscure Glass, Add	507.84	
08 54 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Fiberglass Window	2,192.96	89.20
			For Colored Vinyl, Add	201.46	
			For Tinted Glass, Add	241.75	
			For Low-E Insulated Glass, Add	503.64	
			For Obscure Glass, Add	554.01	
08 54 13 00-0101	UI		>120" UI, Replacement, Single Hung Fiberglass Window	18.32	0.74
			For Colored Vinyl, Add	1.68	
			For Tinted Glass, Add	2.02	
			For Low-E Insulated Glass, Add	4.21	
			For Obscure Glass, Add	4.63	
08 54 13 00-0102			Double Hung Fiberglass Windows (08 54 13)		
08 54 13 00-0103			New Construction, Double Hung Fiberglass Windows (08 54 13 00-0102) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0104			34" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)		
08 54 13 00-0105	EA		24" x 34", New Construction, Double Hung Fiberglass Window	1,535.08	52.94
			For Colored Vinyl, Add	142.92	
			For Tinted Glass, Add	171.50	
			For Low-E Insulated Glass, Add	357.30	
			For Obscure Glass, Add	393.03	
08 54 13 00-0106	EA		28" x 34", New Construction, Double Hung Fiberglass Window	1,589.36	55.25
			For Colored Vinyl, Add	147.89	
			For Tinted Glass, Add	177.46	
			For Low-E Insulated Glass, Add	369.72	
			For Obscure Glass, Add	406.69	
08 54 13 00-0107	EA		30" x 34", New Construction, Double Hung Fiberglass Window	1,615.41	56.40
			For Colored Vinyl, Add	150.26	
			For Tinted Glass, Add	180.31	
			For Low-E Insulated Glass, Add	375.66	
			For Obscure Glass, Add	413.22	
08 54 13 00-0108	EA		32" x 34", New Construction, Double Hung Fiberglass Window	1,639.44	57.54
			For Colored Vinyl, Add	152.44	
			For Tinted Glass, Add	182.92	
			For Low-E Insulated Glass, Add	381.09	
			For Obscure Glass, Add	419.20	
08 54 13 00-0109	EA		36" x 34", New Construction, Double Hung Fiberglass Window	1,700.10	59.85
			For Colored Vinyl, Add	158.04	
			For Tinted Glass, Add	189.65	
			For Low-E Insulated Glass, Add	395.10	
			For Obscure Glass, Add	434.61	
08 54 13 00-0110	EA		44" x 34", New Construction, Double Hung Fiberglass Window	1,795.07	64.45
			For Colored Vinyl, Add	166.62	
			For Tinted Glass, Add	199.94	
			For Low-E Insulated Glass, Add	416.54	
			For Obscure Glass, Add	458.20	
08 54 13 00-0111			36" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)		

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0112	EA		24" x 36", New Construction, Double Hung Fiberglass Window	1,554.89	54.09
			For Colored Vinyl, Add	144.67	
			For Tinted Glass, Add	173.61	
			For Low-E Insulated Glass, Add	361.68	
			For Obscure Glass, Add	397.85	
08 54 13 00-0113	EA		28" x 36", New Construction, Double Hung Fiberglass Window	1,609.18	56.40
			For Colored Vinyl, Add	149.64	
			For Tinted Glass, Add	179.57	
			For Low-E Insulated Glass, Add	374.10	
			For Obscure Glass, Add	411.51	
08 54 13 00-0114	EA		30" x 36", New Construction, Double Hung Fiberglass Window	1,635.23	57.54
			For Colored Vinyl, Add	152.01	
			For Tinted Glass, Add	182.42	
			For Low-E Insulated Glass, Add	380.04	
			For Obscure Glass, Add	418.04	
08 54 13 00-0115	EA		32" x 36", New Construction, Double Hung Fiberglass Window	1,659.18	58.70
			For Colored Vinyl, Add	154.18	
			For Tinted Glass, Add	185.01	
			For Low-E Insulated Glass, Add	385.45	
			For Obscure Glass, Add	423.99	
08 54 13 00-0116	EA		36" x 36", New Construction, Double Hung Fiberglass Window	1,719.92	61.00
			For Colored Vinyl, Add	159.79	
			For Tinted Glass, Add	191.75	
			For Low-E Insulated Glass, Add	399.48	
			For Obscure Glass, Add	439.43	
08 54 13 00-0117	EA		44" x 36", New Construction, Double Hung Fiberglass Window	1,814.90	65.60
			For Colored Vinyl, Add	168.37	
			For Tinted Glass, Add	202.04	
			For Low-E Insulated Glass, Add	420.92	
			For Obscure Glass, Add	463.01	
08 54 13 00-0118 38" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0119	EA		24" x 38", New Construction, Double Hung Fiberglass Window	1,572.12	55.25
			For Colored Vinyl, Add	146.16	
			For Tinted Glass, Add	175.40	
			For Low-E Insulated Glass, Add	365.41	
			For Obscure Glass, Add	401.95	
08 54 13 00-0120	EA		28" x 38", New Construction, Double Hung Fiberglass Window	1,626.40	57.54
			For Colored Vinyl, Add	151.13	
			For Tinted Glass, Add	181.36	
			For Low-E Insulated Glass, Add	377.83	
			For Obscure Glass, Add	415.61	
08 54 13 00-0121	EA		30" x 38", New Construction, Double Hung Fiberglass Window	1,653.51	58.70
			For Colored Vinyl, Add	153.61	
			For Tinted Glass, Add	184.33	
			For Low-E Insulated Glass, Add	384.03	
			For Obscure Glass, Add	422.43	
08 54 13 00-0122	EA		32" x 38", New Construction, Double Hung Fiberglass Window	1,677.47	59.85
			For Colored Vinyl, Add	155.78	
			For Tinted Glass, Add	186.93	
			For Low-E Insulated Glass, Add	389.44	
			For Obscure Glass, Add	428.39	
08 54 13 00-0123	EA		36" x 38", New Construction, Double Hung Fiberglass Window	1,739.60	62.15
			For Colored Vinyl, Add	161.53	
			For Tinted Glass, Add	193.84	
			For Low-E Insulated Glass, Add	403.83	
			For Obscure Glass, Add	444.21	
08 54 13 00-0124	EA		44" x 38", New Construction, Double Hung Fiberglass Window	1,835.91	66.76
			For Colored Vinyl, Add	170.24	
			For Tinted Glass, Add	204.29	
			For Low-E Insulated Glass, Add	425.60	
			For Obscure Glass, Add	468.16	
08 54 13 00-0125 44" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0126	EA		24" x 44", New Construction, Double Hung Fiberglass Window	1,633.47	58.70
			For Colored Vinyl, Add	151.61	
			For Tinted Glass, Add	181.93	
			For Low-E Insulated Glass, Add	379.02	
			For Obscure Glass, Add	416.92	
08 54 13 00-0127	EA		28" x 44", New Construction, Double Hung Fiberglass Window	1,687.76	61.00
			For Colored Vinyl, Add	156.58	
			For Tinted Glass, Add	187.89	
			For Low-E Insulated Glass, Add	391.44	
			For Obscure Glass, Add	430.58	
08 54 13 00-0128	EA		30" x 44", New Construction, Double Hung Fiberglass Window	1,709.05	62.15
			For Colored Vinyl, Add	158.48	
			For Tinted Glass, Add	190.17	
			For Low-E Insulated Glass, Add	396.19	
			For Obscure Glass, Add	435.81	
08 54 13 00-0129	EA		32" x 44", New Construction, Double Hung Fiberglass Window	1,733.08	63.30
			For Colored Vinyl, Add	160.65	
			For Tinted Glass, Add	192.78	
			For Low-E Insulated Glass, Add	401.62	
			For Obscure Glass, Add	441.78	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0130	EA		36" x 44", New Construction, Double Hung Fiberglass Window	1,798.22	65.60
			For Colored Vinyl, Add	166.70	
			For Tinted Glass, Add	200.04	
			For Low-E Insulated Glass, Add	416.75	
			For Obscure Glass, Add	458.43	
08 54 13 00-0131	EA		44" x 44", New Construction, Double Hung Fiberglass Window	1,901.60	70.21
			For Colored Vinyl, Add	176.12	
			For Tinted Glass, Add	211.34	
			For Low-E Insulated Glass, Add	440.30	
			For Obscure Glass, Add	484.33	
08 54 13 00-0132 46" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0133	EA		24" x 46", New Construction, Double Hung Fiberglass Window	1,650.63	59.85
			For Colored Vinyl, Add	153.09	
			For Tinted Glass, Add	183.71	
			For Low-E Insulated Glass, Add	382.73	
			For Obscure Glass, Add	421.01	
08 54 13 00-0134	EA		28" x 46", New Construction, Double Hung Fiberglass Window	1,704.84	62.15
			For Colored Vinyl, Add	158.05	
			For Tinted Glass, Add	189.66	
			For Low-E Insulated Glass, Add	395.14	
			For Obscure Glass, Add	434.65	
08 54 13 00-0135	EA		30" x 46", New Construction, Double Hung Fiberglass Window	1,727.76	63.30
			For Colored Vinyl, Add	160.12	
			For Tinted Glass, Add	192.14	
			For Low-E Insulated Glass, Add	400.29	
			For Obscure Glass, Add	440.32	
08 54 13 00-0136	EA		32" x 46", New Construction, Double Hung Fiberglass Window	1,751.70	64.45
			For Colored Vinyl, Add	162.28	
			For Tinted Glass, Add	194.74	
			For Low-E Insulated Glass, Add	405.70	
			For Obscure Glass, Add	446.27	
08 54 13 00-0137	EA		36" x 46", New Construction, Double Hung Fiberglass Window	1,817.90	66.76
			For Colored Vinyl, Add	168.44	
			For Tinted Glass, Add	202.13	
			For Low-E Insulated Glass, Add	421.10	
			For Obscure Glass, Add	463.21	
08 54 13 00-0138	EA		44" x 46", New Construction, Double Hung Fiberglass Window	1,925.41	71.36
			For Colored Vinyl, Add	178.27	
			For Tinted Glass, Add	213.92	
			For Low-E Insulated Glass, Add	445.68	
			For Obscure Glass, Add	490.24	
08 54 13 00-0139 48" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0140	EA		24" x 48", New Construction, Double Hung Fiberglass Window	1,668.00	61.00
			For Colored Vinyl, Add	154.60	
			For Tinted Glass, Add	185.52	
			For Low-E Insulated Glass, Add	386.50	
			For Obscure Glass, Add	425.15	
08 54 13 00-0141	EA		28" x 48", New Construction, Double Hung Fiberglass Window	1,722.29	63.30
			For Colored Vinyl, Add	159.57	
			For Tinted Glass, Add	191.48	
			For Low-E Insulated Glass, Add	398.92	
			For Obscure Glass, Add	438.81	
08 54 13 00-0142	EA		30" x 48", New Construction, Double Hung Fiberglass Window	1,746.02	64.45
			For Colored Vinyl, Add	161.71	
			For Tinted Glass, Add	194.05	
			For Low-E Insulated Glass, Add	404.28	
			For Obscure Glass, Add	444.71	
08 54 13 00-0143	EA		32" x 48", New Construction, Double Hung Fiberglass Window	1,769.98	65.60
			For Colored Vinyl, Add	163.88	
			For Tinted Glass, Add	196.65	
			For Low-E Insulated Glass, Add	409.69	
			For Obscure Glass, Add	450.66	
08 54 13 00-0144	EA		36" x 48", New Construction, Double Hung Fiberglass Window	1,837.51	67.90
			For Colored Vinyl, Add	170.17	
			For Tinted Glass, Add	204.20	
			For Low-E Insulated Glass, Add	425.43	
			For Obscure Glass, Add	467.97	
08 54 13 00-0145	EA		44" x 48", New Construction, Double Hung Fiberglass Window	1,948.74	72.50
			For Colored Vinyl, Add	180.37	
			For Tinted Glass, Add	216.45	
			For Low-E Insulated Glass, Add	450.93	
			For Obscure Glass, Add	496.02	
08 54 13 00-0146 50" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0147	EA		24" x 50", New Construction, Double Hung Fiberglass Window	1,685.15	62.15
			For Colored Vinyl, Add	156.09	
			For Tinted Glass, Add	187.30	
			For Low-E Insulated Glass, Add	390.21	
			For Obscure Glass, Add	429.23	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0148	EA		28" x 50", New Construction, Double Hung Fiberglass Window	1,739.43	64.45
			For Colored Vinyl, Add	161.05	
			For Tinted Glass, Add	193.26	
			For Low-E Insulated Glass, Add	402.63	
			For Obscure Glass, Add	442.90	
08 54 13 00-0149	EA		30" x 50", New Construction, Double Hung Fiberglass Window	1,764.52	65.60
			For Colored Vinyl, Add	163.33	
			For Tinted Glass, Add	196.00	
			For Low-E Insulated Glass, Add	408.33	
			For Obscure Glass, Add	449.16	
08 54 13 00-0150	EA		32" x 50", New Construction, Double Hung Fiberglass Window	1,788.54	66.76
			For Colored Vinyl, Add	165.50	
			For Tinted Glass, Add	198.60	
			For Low-E Insulated Glass, Add	413.76	
			For Obscure Glass, Add	455.13	
08 54 13 00-0151	EA		36" x 50", New Construction, Double Hung Fiberglass Window	1,857.19	69.05
			For Colored Vinyl, Add	171.91	
			For Tinted Glass, Add	206.29	
			For Low-E Insulated Glass, Add	429.77	
			For Obscure Glass, Add	472.75	
08 54 13 00-0152	EA		44" x 50", New Construction, Double Hung Fiberglass Window	1,972.41	73.66
			For Colored Vinyl, Add	182.51	
			For Tinted Glass, Add	219.01	
			For Low-E Insulated Glass, Add	456.28	
			For Obscure Glass, Add	501.90	
08 54 13 00-0153 52" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0154	EA		24" x 52", New Construction, Double Hung Fiberglass Window	1,702.46	63.30
			For Colored Vinyl, Add	157.59	
			For Tinted Glass, Add	189.10	
			For Low-E Insulated Glass, Add	393.96	
			For Obscure Glass, Add	433.36	
08 54 13 00-0155	EA		28" x 52", New Construction, Double Hung Fiberglass Window	1,756.67	65.60
			For Colored Vinyl, Add	162.55	
			For Tinted Glass, Add	195.06	
			For Low-E Insulated Glass, Add	406.37	
			For Obscure Glass, Add	447.00	
08 54 13 00-0156	EA		30" x 52", New Construction, Double Hung Fiberglass Window	1,782.79	66.76
			For Colored Vinyl, Add	164.93	
			For Tinted Glass, Add	197.91	
			For Low-E Insulated Glass, Add	412.32	
			For Obscure Glass, Add	453.55	
08 54 13 00-0157	EA		32" x 52", New Construction, Double Hung Fiberglass Window	1,806.75	67.90
			For Colored Vinyl, Add	167.09	
			For Tinted Glass, Add	200.51	
			For Low-E Insulated Glass, Add	417.74	
			For Obscure Glass, Add	459.51	
08 54 13 00-0158	EA		36" x 52", New Construction, Double Hung Fiberglass Window	1,879.18	70.21
			For Colored Vinyl, Add	173.88	
			For Tinted Glass, Add	208.65	
			For Low-E Insulated Glass, Add	434.69	
			For Obscure Glass, Add	478.16	
08 54 13 00-0159	EA		44" x 52", New Construction, Double Hung Fiberglass Window	1,995.60	74.81
			For Colored Vinyl, Add	184.60	
			For Tinted Glass, Add	221.52	
			For Low-E Insulated Glass, Add	461.50	
			For Obscure Glass, Add	507.64	
08 54 13 00-0160 54" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0161	EA		24" x 54", New Construction, Double Hung Fiberglass Window	1,719.81	64.45
			For Colored Vinyl, Add	159.09	
			For Tinted Glass, Add	190.91	
			For Low-E Insulated Glass, Add	397.73	
			For Obscure Glass, Add	437.50	
08 54 13 00-0162	EA		28" x 54", New Construction, Double Hung Fiberglass Window	1,774.11	66.76
			For Colored Vinyl, Add	164.06	
			For Tinted Glass, Add	196.87	
			For Low-E Insulated Glass, Add	410.15	
			For Obscure Glass, Add	451.17	
08 54 13 00-0163	EA		30" x 54", New Construction, Double Hung Fiberglass Window	1,801.42	67.90
			For Colored Vinyl, Add	166.56	
			For Tinted Glass, Add	199.87	
			For Low-E Insulated Glass, Add	416.40	
			For Obscure Glass, Add	458.04	
08 54 13 00-0164	EA		32" x 54", New Construction, Double Hung Fiberglass Window	1,825.44	69.05
			For Colored Vinyl, Add	168.73	
			For Tinted Glass, Add	202.48	
			For Low-E Insulated Glass, Add	421.83	
			For Obscure Glass, Add	464.02	
08 54 13 00-0165	EA		36" x 54", New Construction, Double Hung Fiberglass Window	1,901.24	71.36
			For Colored Vinyl, Add	175.85	
			For Tinted Glass, Add	211.02	
			For Low-E Insulated Glass, Add	439.63	
			For Obscure Glass, Add	483.60	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0166	EA		44" x 54", New Construction, Double Hung Fiberglass Window	2,018.85	75.96
			For Colored Vinyl, Add	186.69	
			For Tinted Glass, Add	224.03	
			For Low-E Insulated Glass, Add	466.73	
			For Obscure Glass, Add	513.41	
08 54 13 00-0167 60" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0168	EA		24" x 60", New Construction, Double Hung Fiberglass Window	1,771.92	67.90
			For Colored Vinyl, Add	163.61	
			For Tinted Glass, Add	196.33	
			For Low-E Insulated Glass, Add	409.03	
			For Obscure Glass, Add	449.93	
08 54 13 00-0169	EA		28" x 60", New Construction, Double Hung Fiberglass Window	1,826.20	70.21
			For Colored Vinyl, Add	168.58	
			For Tinted Glass, Add	202.29	
			For Low-E Insulated Glass, Add	421.45	
			For Obscure Glass, Add	463.59	
08 54 13 00-0170	EA		30" x 60", New Construction, Double Hung Fiberglass Window	1,861.79	71.36
			For Colored Vinyl, Add	171.91	
			For Tinted Glass, Add	206.29	
			For Low-E Insulated Glass, Add	429.77	
			For Obscure Glass, Add	472.75	
08 54 13 00-0171	EA		32" x 60", New Construction, Double Hung Fiberglass Window	1,885.75	72.50
			For Colored Vinyl, Add	174.07	
			For Tinted Glass, Add	208.89	
			For Low-E Insulated Glass, Add	435.18	
			For Obscure Glass, Add	478.70	
08 54 13 00-0172	EA		36" x 60", New Construction, Double Hung Fiberglass Window	1,966.94	74.81
			For Colored Vinyl, Add	181.73	
			For Tinted Glass, Add	218.08	
			For Low-E Insulated Glass, Add	454.33	
			For Obscure Glass, Add	499.76	
08 54 13 00-0173	EA		44" x 60", New Construction, Double Hung Fiberglass Window	2,089.03	79.41
			For Colored Vinyl, Add	193.02	
			For Tinted Glass, Add	231.62	
			For Low-E Insulated Glass, Add	482.55	
			For Obscure Glass, Add	530.81	
08 54 13 00-0174 62" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0175	EA		24" x 62", New Construction, Double Hung Fiberglass Window	1,789.22	69.05
			For Colored Vinyl, Add	165.11	
			For Tinted Glass, Add	198.13	
			For Low-E Insulated Glass, Add	412.78	
			For Obscure Glass, Add	454.06	
08 54 13 00-0176	EA		28" x 62", New Construction, Double Hung Fiberglass Window	1,843.43	71.36
			For Colored Vinyl, Add	170.07	
			For Tinted Glass, Add	204.09	
			For Low-E Insulated Glass, Add	425.18	
			For Obscure Glass, Add	467.70	
08 54 13 00-0177	EA		30" x 62", New Construction, Double Hung Fiberglass Window	1,882.46	72.50
			For Colored Vinyl, Add	173.74	
			For Tinted Glass, Add	208.49	
			For Low-E Insulated Glass, Add	434.36	
			For Obscure Glass, Add	477.80	
08 54 13 00-0178	EA		32" x 62", New Construction, Double Hung Fiberglass Window	1,906.40	73.66
			For Colored Vinyl, Add	175.91	
			For Tinted Glass, Add	211.09	
			For Low-E Insulated Glass, Add	439.77	
			For Obscure Glass, Add	483.75	
08 54 13 00-0179	EA		36" x 62", New Construction, Double Hung Fiberglass Window	1,988.65	75.96
			For Colored Vinyl, Add	183.67	
			For Tinted Glass, Add	220.41	
			For Low-E Insulated Glass, Add	459.18	
			For Obscure Glass, Add	505.10	
08 54 13 00-0180	EA		44" x 62", New Construction, Double Hung Fiberglass Window	2,115.09	80.57
			For Colored Vinyl, Add	195.40	
			For Tinted Glass, Add	234.48	
			For Low-E Insulated Glass, Add	488.49	
			For Obscure Glass, Add	537.34	
08 54 13 00-0181 66" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)					
08 54 13 00-0182	EA		24" x 66", New Construction, Double Hung Fiberglass Window	1,828.78	71.36
			For Colored Vinyl, Add	168.61	
			For Tinted Glass, Add	202.33	
			For Low-E Insulated Glass, Add	421.52	
			For Obscure Glass, Add	463.67	
08 54 13 00-0183	EA		28" x 66", New Construction, Double Hung Fiberglass Window	1,883.06	73.66
			For Colored Vinyl, Add	173.58	
			For Tinted Glass, Add	208.29	
			For Low-E Insulated Glass, Add	433.94	
			For Obscure Glass, Add	477.33	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0184	EA	30" x 66", New Construction, Double Hung Fiberglass Window	1,923.84	74.81
		For Colored Vinyl, Add	177.42	
		For Tinted Glass, Add	212.91	
		For Low-E Insulated Glass, Add	443.56	
		For Obscure Glass, Add	487.91	
08 54 13 00-0185	EA	32" x 66", New Construction, Double Hung Fiberglass Window	1,947.80	75.96
		For Colored Vinyl, Add	179.59	
		For Tinted Glass, Add	215.51	
		For Low-E Insulated Glass, Add	448.97	
		For Obscure Glass, Add	493.87	
08 54 13 00-0186	EA	36" x 66", New Construction, Double Hung Fiberglass Window	2,032.71	78.26
		For Colored Vinyl, Add	187.62	
		For Tinted Glass, Add	225.14	
		For Low-E Insulated Glass, Add	469.05	
		For Obscure Glass, Add	515.95	
08 54 13 00-0187	EA	44" x 66", New Construction, Double Hung Fiberglass Window	2,165.03	82.86
		For Colored Vinyl, Add	199.93	
		For Tinted Glass, Add	239.91	
		For Low-E Insulated Glass, Add	499.82	
		For Obscure Glass, Add	549.80	
08 54 13 00-0188 72" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0103)				
08 54 13 00-0189	EA	24" x 72", New Construction, Double Hung Fiberglass Window	1,888.18	74.81
		For Colored Vinyl, Add	173.86	
		For Tinted Glass, Add	208.63	
		For Low-E Insulated Glass, Add	434.64	
		For Obscure Glass, Add	478.10	
08 54 13 00-0190	EA	28" x 72", New Construction, Double Hung Fiberglass Window	1,942.39	77.12
		For Colored Vinyl, Add	178.82	
		For Tinted Glass, Add	214.58	
		For Low-E Insulated Glass, Add	447.04	
		For Obscure Glass, Add	491.75	
08 54 13 00-0191	EA	30" x 72", New Construction, Double Hung Fiberglass Window	1,983.17	78.26
		For Colored Vinyl, Add	182.66	
		For Tinted Glass, Add	219.20	
		For Low-E Insulated Glass, Add	456.66	
		For Obscure Glass, Add	502.33	
08 54 13 00-0192	EA	32" x 72", New Construction, Double Hung Fiberglass Window	2,007.19	79.41
		For Colored Vinyl, Add	184.84	
		For Tinted Glass, Add	221.80	
		For Low-E Insulated Glass, Add	462.09	
		For Obscure Glass, Add	508.30	
08 54 13 00-0193	EA	36" x 72", New Construction, Double Hung Fiberglass Window	2,092.09	81.72
		For Colored Vinyl, Add	192.87	
		For Tinted Glass, Add	231.44	
		For Low-E Insulated Glass, Add	482.17	
		For Obscure Glass, Add	530.38	
08 54 13 00-0194	EA	44" x 72", New Construction, Double Hung Fiberglass Window	2,224.42	86.32
		For Colored Vinyl, Add	205.18	
		For Tinted Glass, Add	246.21	
		For Low-E Insulated Glass, Add	512.95	
		For Obscure Glass, Add	564.24	
08 54 13 00-0195 Replacement, Double Hung Fiberglass Windows (08 54 13 00-0102)				
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).				
08 54 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Fiberglass Window	1,908.04	60.42
		For Colored Vinyl, Add	178.72	
		For Tinted Glass, Add	214.46	
		For Low-E Insulated Glass, Add	446.80	
		For Obscure Glass, Add	491.48	
08 54 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Fiberglass Window	2,106.35	66.18
		For Colored Vinyl, Add	197.40	
		For Tinted Glass, Add	236.88	
		For Low-E Insulated Glass, Add	493.50	
		For Obscure Glass, Add	542.85	
08 54 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Fiberglass Window	2,290.59	71.93
		For Colored Vinyl, Add	214.67	
		For Tinted Glass, Add	257.61	
		For Low-E Insulated Glass, Add	536.68	
		For Obscure Glass, Add	590.35	
08 54 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Fiberglass Window	2,416.11	77.69
		For Colored Vinyl, Add	226.07	
		For Tinted Glass, Add	271.29	
		For Low-E Insulated Glass, Add	565.18	
		For Obscure Glass, Add	621.70	
08 54 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Fiberglass Window	2,552.13	83.44
		For Colored Vinyl, Add	238.53	
		For Tinted Glass, Add	286.23	
		For Low-E Insulated Glass, Add	596.31	
		For Obscure Glass, Add	655.94	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Fiberglass Window	2,780.51	89.20
			For Colored Vinyl, Add	260.21	
			For Tinted Glass, Add	312.25	
			For Low-E Insulated Glass, Add	650.53	
			For Obscure Glass, Add	715.58	
08 54 13 00-0202	UI		>120" UI, Replacement, Double Hung Fiberglass Window.....	23.15	0.74
			For Colored Vinyl, Add	2.17	
			For Tinted Glass, Add	2.60	
			For Low-E Insulated Glass, Add	5.41	
			For Obscure Glass, Add	5.95	
08 54 13 00-0203			Casement Fiberglass Windows (08 54 13)		
08 54 13 00-0204			New Construction, Casement Fiberglass Windows (08 54 13 00-0203)		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0205			One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0204)		
08 54 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0205)		
08 54 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,432.96	43.73
			For Colored Vinyl, Add	134.66	
			For Tinted Glass, Add	161.60	
			For Low-E Insulated Glass, Add	336.66	
			For Obscure Glass, Add	370.33	
08 54 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,481.89	44.89
			For Colored Vinyl, Add	139.21	
			For Tinted Glass, Add	167.05	
			For Low-E Insulated Glass, Add	348.03	
			For Obscure Glass, Add	382.83	
08 54 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,531.98	47.19
			For Colored Vinyl, Add	143.76	
			For Tinted Glass, Add	172.51	
			For Low-E Insulated Glass, Add	359.40	
			For Obscure Glass, Add	395.34	
08 54 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,632.16	49.49
			For Colored Vinyl, Add	153.32	
			For Tinted Glass, Add	183.98	
			For Low-E Insulated Glass, Add	383.30	
			For Obscure Glass, Add	421.62	
08 54 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0205)		
08 54 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,522.22	46.04
			For Colored Vinyl, Add	143.13	
			For Tinted Glass, Add	171.75	
			For Low-E Insulated Glass, Add	357.82	
			For Obscure Glass, Add	393.60	
08 54 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,576.33	47.19
			For Colored Vinyl, Add	148.20	
			For Tinted Glass, Add	177.83	
			For Low-E Insulated Glass, Add	370.49	
			For Obscure Glass, Add	407.54	
08 54 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,631.45	49.49
			For Colored Vinyl, Add	153.25	
			For Tinted Glass, Add	183.90	
			For Low-E Insulated Glass, Add	383.12	
			For Obscure Glass, Add	421.43	
08 54 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,737.73	51.80
			For Colored Vinyl, Add	163.42	
			For Tinted Glass, Add	196.10	
			For Low-E Insulated Glass, Add	408.54	
			For Obscure Glass, Add	449.39	
08 54 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0205)		
08 54 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,621.22	49.49
			For Colored Vinyl, Add	152.22	
			For Tinted Glass, Add	182.67	
			For Low-E Insulated Glass, Add	380.56	
			For Obscure Glass, Add	418.62	
08 54 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,677.86	51.80
			For Colored Vinyl, Add	157.54	
			For Tinted Glass, Add	189.05	
			For Low-E Insulated Glass, Add	393.86	
			For Obscure Glass, Add	433.24	
08 54 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,735.72	53.52
			For Colored Vinyl, Add	162.87	
			For Tinted Glass, Add	195.44	
			For Low-E Insulated Glass, Add	407.17	
			For Obscure Glass, Add	447.89	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,846.97	55.82
			For Colored Vinyl, Add	173.53	
			For Tinted Glass, Add	208.24	
			For Low-E Insulated Glass, Add	433.83	
			For Obscure Glass, Add	477.22	
08 54 13 00-0221			40" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0205)		
08 54 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,714.70	52.94
			For Colored Vinyl, Add	161.00	
			For Tinted Glass, Add	193.20	
			For Low-E Insulated Glass, Add	402.49	
			For Obscure Glass, Add	442.74	
08 54 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,774.91	54.09
			For Colored Vinyl, Add	166.67	
			For Tinted Glass, Add	200.01	
			For Low-E Insulated Glass, Add	416.68	
			For Obscure Glass, Add	458.35	
08 54 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,836.35	56.40
			For Colored Vinyl, Add	172.36	
			For Tinted Glass, Add	206.83	
			For Low-E Insulated Glass, Add	430.89	
			For Obscure Glass, Add	473.98	
08 54 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,957.62	58.70
			For Colored Vinyl, Add	184.02	
			For Tinted Glass, Add	220.83	
			For Low-E Insulated Glass, Add	460.06	
			For Obscure Glass, Add	506.06	
08 54 13 00-0226			48" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0205)		
08 54 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,812.49	57.54
			For Colored Vinyl, Add	169.86	
			For Tinted Glass, Add	203.83	
			For Low-E Insulated Glass, Add	424.64	
			For Obscure Glass, Add	467.10	
08 54 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,875.78	58.70
			For Colored Vinyl, Add	175.84	
			For Tinted Glass, Add	211.01	
			For Low-E Insulated Glass, Add	439.60	
			For Obscure Glass, Add	483.56	
08 54 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,940.44	61.00
			For Colored Vinyl, Add	181.84	
			For Tinted Glass, Add	218.21	
			For Low-E Insulated Glass, Add	454.61	
			For Obscure Glass, Add	500.07	
08 54 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,074.96	63.30
			For Colored Vinyl, Add	194.84	
			For Tinted Glass, Add	233.80	
			For Low-E Insulated Glass, Add	487.09	
			For Obscure Glass, Add	535.80	
08 54 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0205)		
08 54 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,905.17	59.85
			For Colored Vinyl, Add	178.66	
			For Tinted Glass, Add	214.40	
			For Low-E Insulated Glass, Add	446.66	
			For Obscure Glass, Add	491.32	
08 54 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,972.74	61.00
			For Colored Vinyl, Add	185.07	
			For Tinted Glass, Add	222.09	
			For Low-E Insulated Glass, Add	462.69	
			For Obscure Glass, Add	508.95	
08 54 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,041.26	63.30
			For Colored Vinyl, Add	191.47	
			For Tinted Glass, Add	229.76	
			For Low-E Insulated Glass, Add	478.66	
			For Obscure Glass, Add	526.53	
08 54 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,178.36	65.60
			For Colored Vinyl, Add	204.72	
			For Tinted Glass, Add	245.66	
			For Low-E Insulated Glass, Add	511.79	
			For Obscure Glass, Add	562.97	
08 54 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0205)		



		Openings	08	08
		Windows	08 50	
		Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0237 EA 17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,001.39 187.48 224.97 468.70 515.56	63.30
08 54 13 00-0238 EA 20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,072.95 194.29 233.15 485.72 534.29	65.60
08 54 13 00-0239 EA 24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,145.73 201.11 241.33 502.77 553.04	67.33
08 54 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,285.14 214.59 257.51 536.47 590.12	69.64
08 54 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0205)		
08 54 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,093.17 196.08 235.30 490.21 539.23	66.76
08 54 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,166.85 203.10 243.72 507.76 558.54	67.90
08 54 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,245.16 210.48 252.57 526.19 578.81	70.21
08 54 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,381.16 223.61 268.34 559.04 614.94	72.50
08 54 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows (08 54 13 00-0205)		
08 54 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,202.91 206.25 247.50 515.63 567.19	70.21
08 54 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,280.99 213.71 256.46 534.28 587.71	72.50
08 54 13 00-0249 EA 24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,355.39 220.69 264.83 551.73 606.90	74.24
08 54 13 00-0250 EA 28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	2,489.55 233.65 280.38 584.12 642.53	76.54
08 54 13 00-0251 Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0204)		
08 54 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,041.14 292.38 350.85 730.94 804.03	58.70
08 54 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,141.00 301.56 361.87 753.89 829.28	63.30

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,242.07 310.74 372.89 776.85 854.54	67.90
08 54 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,360.30 321.64 385.97 804.11 884.52	71.93
08 54 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0258 EA 33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,223.70 310.06 372.07 775.14 852.65	61.57
08 54 13 00-0259 EA 40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,331.12 319.99 383.99 799.98 879.98	65.60
08 54 13 00-0260 EA 48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,439.75 329.93 395.92 824.84 907.32	70.21
08 54 13 00-0261 EA 56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,553.37 340.38 408.45 850.94 936.03	74.81
08 54 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,413.26 328.09 393.71 820.23 902.25	66.18
08 54 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,526.08 338.57 406.28 846.42 931.06	70.21
08 54 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,640.26 349.06 418.88 872.66 959.93	74.81
08 54 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,766.56 360.77 432.93 901.93 992.13	79.41
08 54 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,597.75 346.08 415.29 865.20 951.72	68.48
08 54 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,717.92 357.29 428.75 893.23 982.55	72.50
08 54 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,839.17 368.50 442.19 921.24 1,013.36	77.12
08 54 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window..... For Colored Vinyl, Add For Tinted Glass, Add For Low-E Insulated Glass, Add For Obscure Glass, Add	3,967.99 380.46 456.55 951.14 1,046.25	81.72



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0272			60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,785.75	72.50
			For Colored Vinyl, Add	364.07	
			For Tinted Glass, Add	436.89	
			For Low-E Insulated Glass, Add	910.18	
			For Obscure Glass, Add	1,001.20	
08 54 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,913.13	77.12
			For Colored Vinyl, Add	376.01	
			For Tinted Glass, Add	451.21	
			For Low-E Insulated Glass, Add	940.02	
			For Obscure Glass, Add	1,034.02	
08 54 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,041.54	81.72
			For Colored Vinyl, Add	387.93	
			For Tinted Glass, Add	465.51	
			For Low-E Insulated Glass, Add	969.82	
			For Obscure Glass, Add	1,066.80	
08 54 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,172.74	85.74
			For Colored Vinyl, Add	400.13	
			For Tinted Glass, Add	480.15	
			For Low-E Insulated Glass, Add	1,000.31	
			For Obscure Glass, Add	1,100.34	
08 54 13 00-0277			64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,977.26	75.38
			For Colored Vinyl, Add	382.65	
			For Tinted Glass, Add	459.18	
			For Low-E Insulated Glass, Add	956.62	
			For Obscure Glass, Add	1,052.28	
08 54 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,104.65	79.41
			For Colored Vinyl, Add	394.58	
			For Tinted Glass, Add	473.50	
			For Low-E Insulated Glass, Add	986.46	
			For Obscure Glass, Add	1,085.10	
08 54 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,232.49	84.02
			For Colored Vinyl, Add	406.45	
			For Tinted Glass, Add	487.74	
			For Low-E Insulated Glass, Add	1,016.12	
			For Obscure Glass, Add	1,117.73	
08 54 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,364.25	88.62
			For Colored Vinyl, Add	418.70	
			For Tinted Glass, Add	502.44	
			For Low-E Insulated Glass, Add	1,046.75	
			For Obscure Glass, Add	1,151.43	
08 54 13 00-0282			72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0251)		
08 54 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,183.13	79.41
			For Colored Vinyl, Add	402.43	
			For Tinted Glass, Add	482.92	
			For Low-E Insulated Glass, Add	1,006.08	
			For Obscure Glass, Add	1,106.68	
08 54 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,310.52	84.02
			For Colored Vinyl, Add	414.36	
			For Tinted Glass, Add	497.24	
			For Low-E Insulated Glass, Add	1,035.91	
			For Obscure Glass, Add	1,139.50	
08 54 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,439.07	88.62
			For Colored Vinyl, Add	426.30	
			For Tinted Glass, Add	511.56	
			For Low-E Insulated Glass, Add	1,065.74	
			For Obscure Glass, Add	1,172.32	
08 54 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,570.27	92.65
			For Colored Vinyl, Add	438.50	
			For Tinted Glass, Add	526.20	
			For Low-E Insulated Glass, Add	1,096.24	
			For Obscure Glass, Add	1,205.87	
08 54 13 00-0287			Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0204)		
08 54 13 00-0288			36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,739.83	74.81
			For Colored Vinyl, Add	359.02	
			For Tinted Glass, Add	430.83	
			For Low-E Insulated Glass, Add	897.55	
			For Obscure Glass, Add	987.31	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,902.55	80.57
For Colored Vinyl, Add	374.14	
For Tinted Glass, Add	448.97	
For Low-E Insulated Glass, Add	935.36	
For Obscure Glass, Add	1,028.89	
08 54 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,204.38	89.20
For Colored Vinyl, Add	402.60	
For Tinted Glass, Add	483.12	
For Low-E Insulated Glass, Add	1,006.50	
For Obscure Glass, Add	1,107.15	
08 54 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,997.85	78.26
For Colored Vinyl, Add	384.25	
For Tinted Glass, Add	461.10	
For Low-E Insulated Glass, Add	960.62	
For Obscure Glass, Add	1,056.68	
08 54 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,162.11	83.44
For Colored Vinyl, Add	399.52	
For Tinted Glass, Add	479.43	
For Low-E Insulated Glass, Add	998.81	
For Obscure Glass, Add	1,098.69	
08 54 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,484.33	92.08
For Colored Vinyl, Add	430.02	
For Tinted Glass, Add	516.02	
For Low-E Insulated Glass, Add	1,075.05	
For Obscure Glass, Add	1,182.55	
08 54 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,224.31	82.86
For Colored Vinyl, Add	405.86	
For Tinted Glass, Add	487.03	
For Low-E Insulated Glass, Add	1,014.64	
For Obscure Glass, Add	1,116.11	
08 54 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,428.77	88.05
For Colored Vinyl, Add	425.27	
For Tinted Glass, Add	510.32	
For Low-E Insulated Glass, Add	1,063.17	
For Obscure Glass, Add	1,169.48	
08 54 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,768.49	96.68
For Colored Vinyl, Add	457.51	
For Tinted Glass, Add	549.02	
For Low-E Insulated Glass, Add	1,143.79	
For Obscure Glass, Add	1,258.16	
08 54 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,472.48	85.17
For Colored Vinyl, Add	430.21	
For Tinted Glass, Add	516.26	
For Low-E Insulated Glass, Add	1,075.54	
For Obscure Glass, Add	1,183.09	
08 54 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,688.66	90.93
For Colored Vinyl, Add	450.68	
For Tinted Glass, Add	540.82	
For Low-E Insulated Glass, Add	1,126.71	
For Obscure Glass, Add	1,239.38	
08 54 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,088.42	98.98
For Colored Vinyl, Add	489.05	
For Tinted Glass, Add	586.86	
For Low-E Insulated Glass, Add	1,222.62	
For Obscure Glass, Add	1,344.88	
08 54 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,723.96	89.20
For Colored Vinyl, Add	454.56	
For Tinted Glass, Add	545.47	
For Low-E Insulated Glass, Add	1,136.39	
For Obscure Glass, Add	1,250.03	
08 54 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,950.80	94.95
For Colored Vinyl, Add	476.09	
For Tinted Glass, Add	571.31	
For Low-E Insulated Glass, Add	1,190.23	
For Obscure Glass, Add	1,309.25	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,411.81	103.01
			For Colored Vinyl, Add	520.58	
			For Tinted Glass, Add	624.69	
			For Low-E Insulated Glass, Add	1,301.45	
			For Obscure Glass, Add	1,431.59	
08 54 13 00-0308			64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,004.75	92.08
			For Colored Vinyl, Add	482.06	
			For Tinted Glass, Add	578.47	
			For Low-E Insulated Glass, Add	1,205.15	
			For Obscure Glass, Add	1,325.67	
08 54 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,231.45	97.83
			For Colored Vinyl, Add	503.58	
			For Tinted Glass, Add	604.29	
			For Low-E Insulated Glass, Add	1,258.95	
			For Obscure Glass, Add	1,384.84	
08 54 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,692.45	105.89
			For Colored Vinyl, Add	548.07	
			For Tinted Glass, Add	657.68	
			For Low-E Insulated Glass, Add	1,370.17	
			For Obscure Glass, Add	1,507.19	
08 54 13 00-0312			72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows (08 54 13 00-0287)		
08 54 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,288.47	96.10
			For Colored Vinyl, Add	509.63	
			For Tinted Glass, Add	611.55	
			For Low-E Insulated Glass, Add	1,274.07	
			For Obscure Glass, Add	1,401.47	
08 54 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,515.10	101.86
			For Colored Vinyl, Add	531.14	
			For Tinted Glass, Add	637.37	
			For Low-E Insulated Glass, Add	1,327.85	
			For Obscure Glass, Add	1,460.63	
08 54 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	5,976.10	109.91
			For Colored Vinyl, Add	575.63	
			For Tinted Glass, Add	690.75	
			For Low-E Insulated Glass, Add	1,439.07	
			For Obscure Glass, Add	1,582.97	
08 54 13 00-0316			Replacement, Casement Fiberglass Windows (08 54 13 00-0203)		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0317			One Operating Sash, Replacement, Casement Fiberglass Windows (08 54 13 00-0316)		
08 54 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	1,877.31	48.92
			For Colored Vinyl, Add	177.95	
			For Tinted Glass, Add	213.54	
			For Low-E Insulated Glass, Add	444.87	
			For Obscure Glass, Add	489.36	
08 54 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	2,136.45	54.67
			For Colored Vinyl, Add	202.71	
			For Tinted Glass, Add	243.25	
			For Low-E Insulated Glass, Add	506.78	
			For Obscure Glass, Add	557.46	
08 54 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	2,367.64	60.42
			For Colored Vinyl, Add	224.68	
			For Tinted Glass, Add	269.61	
			For Low-E Insulated Glass, Add	561.70	
			For Obscure Glass, Add	617.87	
08 54 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	2,570.79	66.18
			For Colored Vinyl, Add	243.84	
			For Tinted Glass, Add	292.61	
			For Low-E Insulated Glass, Add	609.61	
			For Obscure Glass, Add	670.57	
08 54 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	2,745.98	71.93
			For Colored Vinyl, Add	260.21	
			For Tinted Glass, Add	312.25	
			For Low-E Insulated Glass, Add	650.53	
			For Obscure Glass, Add	715.58	
08 54 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	2,840.05	77.69
			For Colored Vinyl, Add	268.47	
			For Tinted Glass, Add	322.16	
			For Low-E Insulated Glass, Add	671.17	
			For Obscure Glass, Add	738.28	
08 54 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Fiberglass Window.....	28.06	0.74
			For Colored Vinyl, Add	2.66	
			For Tinted Glass, Add	3.19	
			For Low-E Insulated Glass, Add	6.64	
			For Obscure Glass, Add	7.30	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0325			Two Operating Sashes, Replacement, Casement Fiberglass Windows (08 54 13 00-0316)		
08 54 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,235.69	60.42
			For Colored Vinyl, Add	311.48	
			For Tinted Glass, Add	373.78	
			For Low-E Insulated Glass, Add	778.71	
			For Obscure Glass, Add	856.58	
08 54 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,557.75	66.18
			For Colored Vinyl, Add	342.54	
			For Tinted Glass, Add	411.05	
			For Low-E Insulated Glass, Add	856.35	
			For Obscure Glass, Add	941.99	
08 54 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,851.86	71.93
			For Colored Vinyl, Add	370.80	
			For Tinted Glass, Add	444.96	
			For Low-E Insulated Glass, Add	927.00	
			For Obscure Glass, Add	1,019.70	
08 54 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,041.08	77.69
			For Colored Vinyl, Add	388.57	
			For Tinted Glass, Add	466.28	
			For Low-E Insulated Glass, Add	971.43	
			For Obscure Glass, Add	1,068.57	
08 54 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,244.93	83.44
			For Colored Vinyl, Add	407.81	
			For Tinted Glass, Add	489.37	
			For Low-E Insulated Glass, Add	1,019.51	
			For Obscure Glass, Add	1,121.46	
08 54 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,459.30	89.20
			For Colored Vinyl, Add	428.09	
			For Tinted Glass, Add	513.71	
			For Low-E Insulated Glass, Add	1,070.23	
			For Obscure Glass, Add	1,177.25	
08 54 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	37.17	0.74
			For Colored Vinyl, Add	3.57	
			For Tinted Glass, Add	4.28	
			For Low-E Insulated Glass, Add	8.92	
			For Obscure Glass, Add	9.81	
08 54 13 00-0333			Three Operating Sashes, Replacement, Casement Fiberglass Windows (08 54 13 00-0316)		
08 54 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,388.87	60.42
			For Colored Vinyl, Add	326.80	
			For Tinted Glass, Add	392.16	
			For Low-E Insulated Glass, Add	817.01	
			For Obscure Glass, Add	898.71	
08 54 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,727.74	66.18
			For Colored Vinyl, Add	359.54	
			For Tinted Glass, Add	431.45	
			For Low-E Insulated Glass, Add	898.85	
			For Obscure Glass, Add	988.73	
08 54 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,047.01	71.93
			For Colored Vinyl, Add	390.32	
			For Tinted Glass, Add	468.38	
			For Low-E Insulated Glass, Add	975.79	
			For Obscure Glass, Add	1,073.37	
08 54 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,252.98	77.69
			For Colored Vinyl, Add	409.76	
			For Tinted Glass, Add	491.71	
			For Low-E Insulated Glass, Add	1,024.40	
			For Obscure Glass, Add	1,126.84	
08 54 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,475.75	83.44
			For Colored Vinyl, Add	430.89	
			For Tinted Glass, Add	517.06	
			For Low-E Insulated Glass, Add	1,077.22	
			For Obscure Glass, Add	1,184.94	
08 54 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,711.14	89.20
			For Colored Vinyl, Add	453.28	
			For Tinted Glass, Add	543.93	
			For Low-E Insulated Glass, Add	1,133.19	
			For Obscure Glass, Add	1,246.51	
08 54 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	39.27	0.74
			For Colored Vinyl, Add	3.78	
			For Tinted Glass, Add	4.53	
			For Low-E Insulated Glass, Add	9.44	
			For Obscure Glass, Add	10.39	
08 54 13 00-0341			Awning Fiberglass Windows (08 54 13)		
08 54 13 00-0342			New Construction, Awning Fiberglass Windows (08 54 13 00-0341) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0343			Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0342)		



		Openings	08	08
		Windows	08 50	
		Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0344			17" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0343)		
08 54 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Fiberglass Window	1,901.47	47.19
			For Colored Vinyl, Add	180.71	
			For Tinted Glass, Add	216.85	
			For Low-E Insulated Glass, Add	451.77	
			For Obscure Glass, Add	496.95	
08 54 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Fiberglass Window	1,990.01	49.49
			For Colored Vinyl, Add	189.10	
			For Tinted Glass, Add	226.92	
			For Low-E Insulated Glass, Add	472.76	
			For Obscure Glass, Add	520.03	
08 54 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Fiberglass Window	2,123.99	53.52
			For Colored Vinyl, Add	201.70	
			For Tinted Glass, Add	242.03	
			For Low-E Insulated Glass, Add	504.24	
			For Obscure Glass, Add	554.66	
08 54 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Fiberglass Window	2,208.92	56.40
			For Colored Vinyl, Add	209.61	
			For Tinted Glass, Add	251.54	
			For Low-E Insulated Glass, Add	524.03	
			For Obscure Glass, Add	576.44	
08 54 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Fiberglass Window	2,348.75	61.00
			For Colored Vinyl, Add	222.68	
			For Tinted Glass, Add	267.21	
			For Low-E Insulated Glass, Add	556.69	
			For Obscure Glass, Add	612.36	
08 54 13 00-0350			20" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0343)		
08 54 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Fiberglass Window	2,009.81	49.49
			For Colored Vinyl, Add	191.20	
			For Tinted Glass, Add	229.44	
			For Low-E Insulated Glass, Add	478.00	
			For Obscure Glass, Add	525.79	
08 54 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Fiberglass Window	2,098.36	51.80
			For Colored Vinyl, Add	199.59	
			For Tinted Glass, Add	239.51	
			For Low-E Insulated Glass, Add	498.98	
			For Obscure Glass, Add	548.88	
08 54 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Fiberglass Window	2,243.97	55.25
			For Colored Vinyl, Add	213.35	
			For Tinted Glass, Add	256.02	
			For Low-E Insulated Glass, Add	533.37	
			For Obscure Glass, Add	586.71	
08 54 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Fiberglass Window	2,329.05	58.70
			For Colored Vinyl, Add	221.28	
			For Tinted Glass, Add	265.54	
			For Low-E Insulated Glass, Add	553.20	
			For Obscure Glass, Add	608.52	
08 54 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Fiberglass Window	2,480.36	62.73
			For Colored Vinyl, Add	235.49	
			For Tinted Glass, Add	282.59	
			For Low-E Insulated Glass, Add	588.73	
			For Obscure Glass, Add	647.60	
08 54 13 00-0356			24" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0343)		
08 54 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Fiberglass Window	2,072.64	51.80
			For Colored Vinyl, Add	197.02	
			For Tinted Glass, Add	236.43	
			For Low-E Insulated Glass, Add	492.55	
			For Obscure Glass, Add	541.81	
08 54 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Fiberglass Window	2,161.20	54.09
			For Colored Vinyl, Add	205.42	
			For Tinted Glass, Add	246.50	
			For Low-E Insulated Glass, Add	513.54	
			For Obscure Glass, Add	564.89	
08 54 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Fiberglass Window	2,312.62	57.54
			For Colored Vinyl, Add	219.75	
			For Tinted Glass, Add	263.70	
			For Low-E Insulated Glass, Add	549.38	
			For Obscure Glass, Add	604.32	
08 54 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Fiberglass Window	2,407.09	61.00
			For Colored Vinyl, Add	228.62	
			For Tinted Glass, Add	274.35	
			For Low-E Insulated Glass, Add	571.56	
			For Obscure Glass, Add	628.72	
08 54 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Fiberglass Window	2,560.79	65.02
			For Colored Vinyl, Add	243.07	
			For Tinted Glass, Add	291.69	
			For Low-E Insulated Glass, Add	607.68	
			For Obscure Glass, Add	668.45	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0362	28" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0343)				
08 54 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Fiberglass Window	2,135.55	54.09	
		For Colored Vinyl, Add	202.85		
		For Tinted Glass, Add	243.42		
		For Low-E Insulated Glass, Add	507.13		
		For Obscure Glass, Add	557.84		
08 54 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Fiberglass Window	2,224.10	56.40	
		For Colored Vinyl, Add	211.25		
		For Tinted Glass, Add	253.50		
		For Low-E Insulated Glass, Add	528.12		
		For Obscure Glass, Add	580.93		
08 54 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Fiberglass Window	2,381.41	59.85	
		For Colored Vinyl, Add	226.17		
		For Tinted Glass, Add	271.41		
		For Low-E Insulated Glass, Add	565.43		
		For Obscure Glass, Add	621.97		
08 54 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Fiberglass Window	2,484.56	63.30	
		For Colored Vinyl, Add	235.91		
		For Tinted Glass, Add	283.09		
		For Low-E Insulated Glass, Add	589.78		
		For Obscure Glass, Add	648.76		
08 54 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Fiberglass Window	2,641.21	67.33	
		For Colored Vinyl, Add	250.66		
		For Tinted Glass, Add	300.79		
		For Low-E Insulated Glass, Add	626.64		
		For Obscure Glass, Add	689.30		
08 54 13 00-0368	36" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0343)				
08 54 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Fiberglass Window	2,517.63	63.88	
		For Colored Vinyl, Add	238.99		
		For Tinted Glass, Add	286.79		
		For Low-E Insulated Glass, Add	597.47		
		For Obscure Glass, Add	657.22		
08 54 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Fiberglass Window	2,620.93	66.76	
		For Colored Vinyl, Add	248.74		
		For Tinted Glass, Add	298.49		
		For Low-E Insulated Glass, Add	621.86		
		For Obscure Glass, Add	684.04		
08 54 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Fiberglass Window	2,789.19	71.36	
		For Colored Vinyl, Add	264.65		
		For Tinted Glass, Add	317.58		
		For Low-E Insulated Glass, Add	661.62		
		For Obscure Glass, Add	727.78		
08 54 13 00-0372	Replacement, Awning Fiberglass Windows (08 54 13 00-0341)				
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).					
08 54 13 00-0373	EA	Up To 53" UI, Replacement, Awning Fiberglass Window	1,988.58	48.92	
		For Colored Vinyl, Add	189.08		
		For Tinted Glass, Add	226.89		
		For Low-E Insulated Glass, Add	472.69		
		For Obscure Glass, Add	519.96		
08 54 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Fiberglass Window	2,312.75	54.67	
		For Colored Vinyl, Add	220.34		
		For Tinted Glass, Add	264.41		
		For Low-E Insulated Glass, Add	550.85		
		For Obscure Glass, Add	605.94		
08 54 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Fiberglass Window	2,622.91	60.42	
		For Colored Vinyl, Add	250.21		
		For Tinted Glass, Add	300.25		
		For Low-E Insulated Glass, Add	625.52		
		For Obscure Glass, Add	688.07		
08 54 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Fiberglass Window	2,919.11	66.18	
		For Colored Vinyl, Add	278.68		
		For Tinted Glass, Add	334.41		
		For Low-E Insulated Glass, Add	696.69		
		For Obscure Glass, Add	766.36		
08 54 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Fiberglass Window	3,201.38	71.93	
		For Colored Vinyl, Add	305.75		
		For Tinted Glass, Add	366.90		
		For Low-E Insulated Glass, Add	764.38		
		For Obscure Glass, Add	840.82		
08 54 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Fiberglass Window	3,334.55	77.69	
		For Colored Vinyl, Add	317.92		
		For Tinted Glass, Add	381.50		
		For Low-E Insulated Glass, Add	794.79		
		For Obscure Glass, Add	874.27		
08 54 13 00-0379	UI	>101" UI, Replacement, Awning Fiberglass Window	32.96	0.74	
		For Colored Vinyl, Add	3.15		
		For Tinted Glass, Add	3.78		
		For Low-E Insulated Glass, Add	7.87		
		For Obscure Glass, Add	8.65		



Openings		08	08
Windows		08 50	
Composite Windows		08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0380			Horizontal Sliding Fiberglass Windows (08 54 13)		
08 54 13 00-0381			New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0380) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0382			20" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)		
08 54 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Fiberglass Window	956.22	56.40
			For Colored Vinyl, Add	84.46	
			For Tinted Glass, Add	101.35	
			For Low-E Insulated Glass, Add	211.15	
			For Obscure Glass, Add	232.26	
08 54 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,052.85	63.30
			For Colored Vinyl, Add	92.74	
			For Tinted Glass, Add	111.29	
			For Low-E Insulated Glass, Add	231.85	
			For Obscure Glass, Add	255.04	
08 54 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,101.17	66.18
			For Colored Vinyl, Add	96.88	
			For Tinted Glass, Add	116.26	
			For Low-E Insulated Glass, Add	242.21	
			For Obscure Glass, Add	266.43	
08 54 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,149.49	69.64
			For Colored Vinyl, Add	101.02	
			For Tinted Glass, Add	121.23	
			For Low-E Insulated Glass, Add	252.56	
			For Obscure Glass, Add	277.81	
08 54 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,181.63	72.50
			For Colored Vinyl, Add	103.78	
			For Tinted Glass, Add	124.53	
			For Low-E Insulated Glass, Add	259.44	
			For Obscure Glass, Add	285.39	
08 54 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,246.12	76.54
			For Colored Vinyl, Add	109.31	
			For Tinted Glass, Add	131.17	
			For Low-E Insulated Glass, Add	273.26	
			For Obscure Glass, Add	300.59	
08 54 13 00-0389			24" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)		
08 54 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,007.43	58.70
			For Colored Vinyl, Add	89.12	
			For Tinted Glass, Add	106.94	
			For Low-E Insulated Glass, Add	222.80	
			For Obscure Glass, Add	245.07	
08 54 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,107.84	65.60
			For Colored Vinyl, Add	97.78	
			For Tinted Glass, Add	117.33	
			For Low-E Insulated Glass, Add	244.45	
			For Obscure Glass, Add	268.89	
08 54 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,158.47	68.48
			For Colored Vinyl, Add	102.15	
			For Tinted Glass, Add	122.58	
			For Low-E Insulated Glass, Add	255.38	
			For Obscure Glass, Add	280.92	
08 54 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,208.32	71.93
			For Colored Vinyl, Add	106.45	
			For Tinted Glass, Add	127.74	
			For Low-E Insulated Glass, Add	266.12	
			For Obscure Glass, Add	292.73	
08 54 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,241.80	74.81
			For Colored Vinyl, Add	109.33	
			For Tinted Glass, Add	131.20	
			For Low-E Insulated Glass, Add	273.33	
			For Obscure Glass, Add	300.67	
08 54 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,308.74	78.84
			For Colored Vinyl, Add	115.11	
			For Tinted Glass, Add	138.13	
			For Low-E Insulated Glass, Add	287.77	
			For Obscure Glass, Add	316.54	
08 54 13 00-0396			36" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)		
08 54 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,162.22	65.60
			For Colored Vinyl, Add	103.22	
			For Tinted Glass, Add	123.86	
			For Low-E Insulated Glass, Add	258.04	
			For Obscure Glass, Add	283.84	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,274.82	72.50
			For Colored Vinyl, Add	113.10	
			For Tinted Glass, Add	135.72	
			For Low-E Insulated Glass, Add	282.74	
			For Obscure Glass, Add	311.01	
08 54 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,331.20	75.38
			For Colored Vinyl, Add	118.04	
			For Tinted Glass, Add	141.65	
			For Low-E Insulated Glass, Add	295.11	
			For Obscure Glass, Add	324.62	
08 54 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,387.50	78.84
			For Colored Vinyl, Add	122.98	
			For Tinted Glass, Add	147.58	
			For Low-E Insulated Glass, Add	307.46	
			For Obscure Glass, Add	338.20	
08 54 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,425.12	80.57
			For Colored Vinyl, Add	126.28	
			For Tinted Glass, Add	151.54	
			For Low-E Insulated Glass, Add	315.71	
			For Obscure Glass, Add	347.28	
08 54 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,500.27	85.74
			For Colored Vinyl, Add	132.88	
			For Tinted Glass, Add	159.45	
			For Low-E Insulated Glass, Add	332.20	
			For Obscure Glass, Add	365.41	
08 54 13 00-0403 42" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,239.61	69.05
			For Colored Vinyl, Add	110.27	
			For Tinted Glass, Add	132.32	
			For Low-E Insulated Glass, Add	275.66	
			For Obscure Glass, Add	303.23	
08 54 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,358.39	75.96
			For Colored Vinyl, Add	120.76	
			For Tinted Glass, Add	144.91	
			For Low-E Insulated Glass, Add	301.91	
			For Obscure Glass, Add	332.10	
08 54 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,417.84	78.84
			For Colored Vinyl, Add	126.02	
			For Tinted Glass, Add	151.22	
			For Low-E Insulated Glass, Add	315.04	
			For Obscure Glass, Add	346.55	
08 54 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,477.24	82.29
			For Colored Vinyl, Add	131.27	
			For Tinted Glass, Add	157.52	
			For Low-E Insulated Glass, Add	328.17	
			For Obscure Glass, Add	360.98	
08 54 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,516.67	85.17
			For Colored Vinyl, Add	134.75	
			For Tinted Glass, Add	161.70	
			For Low-E Insulated Glass, Add	336.87	
			For Obscure Glass, Add	370.56	
08 54 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,596.02	89.20
			For Colored Vinyl, Add	141.76	
			For Tinted Glass, Add	170.12	
			For Low-E Insulated Glass, Add	354.41	
			For Obscure Glass, Add	389.85	
08 54 13 00-0410 44" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,265.46	70.21
			For Colored Vinyl, Add	112.62	
			For Tinted Glass, Add	135.14	
			For Low-E Insulated Glass, Add	281.55	
			For Obscure Glass, Add	309.71	
08 54 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,386.27	77.12
			For Colored Vinyl, Add	123.32	
			For Tinted Glass, Add	147.98	
			For Low-E Insulated Glass, Add	308.30	
			For Obscure Glass, Add	339.13	
08 54 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,446.64	79.99
			For Colored Vinyl, Add	128.67	
			For Tinted Glass, Add	154.40	
			For Low-E Insulated Glass, Add	321.67	
			For Obscure Glass, Add	353.83	
08 54 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,507.08	83.44
			For Colored Vinyl, Add	134.02	
			For Tinted Glass, Add	160.82	
			For Low-E Insulated Glass, Add	335.05	
			For Obscure Glass, Add	368.56	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,547.42	86.32
			For Colored Vinyl, Add	137.59	
			For Tinted Glass, Add	165.11	
			For Low-E Insulated Glass, Add	343.98	
			For Obscure Glass, Add	378.38	
08 54 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,627.83	90.34
			For Colored Vinyl, Add	144.71	
			For Tinted Glass, Add	173.66	
			For Low-E Insulated Glass, Add	361.78	
			For Obscure Glass, Add	397.96	
08 54 13 00-0417 46" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,291.24	71.36
			For Colored Vinyl, Add	114.97	
			For Tinted Glass, Add	137.96	
			For Low-E Insulated Glass, Add	287.42	
			For Obscure Glass, Add	316.16	
08 54 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,414.08	78.26
			For Colored Vinyl, Add	125.87	
			For Tinted Glass, Add	151.04	
			For Low-E Insulated Glass, Add	314.68	
			For Obscure Glass, Add	346.14	
08 54 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,475.50	81.14
			For Colored Vinyl, Add	131.32	
			For Tinted Glass, Add	157.59	
			For Low-E Insulated Glass, Add	328.31	
			For Obscure Glass, Add	361.14	
08 54 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,536.86	84.60
			For Colored Vinyl, Add	136.77	
			For Tinted Glass, Add	164.12	
			For Low-E Insulated Glass, Add	341.92	
			For Obscure Glass, Add	376.11	
08 54 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,577.82	87.47
			For Colored Vinyl, Add	140.40	
			For Tinted Glass, Add	168.48	
			For Low-E Insulated Glass, Add	351.01	
			For Obscure Glass, Add	386.11	
08 54 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,659.76	91.50
			For Colored Vinyl, Add	147.68	
			For Tinted Glass, Add	177.21	
			For Low-E Insulated Glass, Add	369.19	
			For Obscure Glass, Add	406.11	
08 54 13 00-0424 48" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,317.08	72.50
			For Colored Vinyl, Add	117.32	
			For Tinted Glass, Add	140.79	
			For Low-E Insulated Glass, Add	293.31	
			For Obscure Glass, Add	322.64	
08 54 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,441.95	79.41
			For Colored Vinyl, Add	128.43	
			For Tinted Glass, Add	154.11	
			For Low-E Insulated Glass, Add	321.07	
			For Obscure Glass, Add	353.18	
08 54 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,504.36	82.29
			For Colored Vinyl, Add	133.98	
			For Tinted Glass, Add	160.77	
			For Low-E Insulated Glass, Add	334.95	
			For Obscure Glass, Add	368.44	
08 54 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,566.69	85.74
			For Colored Vinyl, Add	139.52	
			For Tinted Glass, Add	167.42	
			For Low-E Insulated Glass, Add	348.80	
			For Obscure Glass, Add	383.68	
08 54 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,608.37	88.62
			For Colored Vinyl, Add	143.23	
			For Tinted Glass, Add	171.87	
			For Low-E Insulated Glass, Add	358.07	
			For Obscure Glass, Add	393.87	
08 54 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,691.71	92.65
			For Colored Vinyl, Add	150.64	
			For Tinted Glass, Add	180.77	
			For Low-E Insulated Glass, Add	376.60	
			For Obscure Glass, Add	414.26	
08 54 13 00-0431 50" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,342.86	73.66
			For Colored Vinyl, Add	119.67	
			For Tinted Glass, Add	143.60	
			For Low-E Insulated Glass, Add	299.17	
			For Obscure Glass, Add	329.09	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,469.70	80.57
			For Colored Vinyl, Add	130.97	
			For Tinted Glass, Add	157.17	
			For Low-E Insulated Glass, Add	327.43	
			For Obscure Glass, Add	360.17	
08 54 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,533.14	83.44
			For Colored Vinyl, Add	136.63	
			For Tinted Glass, Add	163.95	
			For Low-E Insulated Glass, Add	341.57	
			For Obscure Glass, Add	375.72	
08 54 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,596.53	86.89
			For Colored Vinyl, Add	142.27	
			For Tinted Glass, Add	170.73	
			For Low-E Insulated Glass, Add	355.69	
			For Obscure Glass, Add	391.25	
08 54 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,638.90	89.77
			For Colored Vinyl, Add	146.05	
			For Tinted Glass, Add	175.26	
			For Low-E Insulated Glass, Add	365.13	
			For Obscure Glass, Add	401.64	
08 54 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,723.58	93.80
			For Colored Vinyl, Add	153.60	
			For Tinted Glass, Add	184.32	
			For Low-E Insulated Glass, Add	384.00	
			For Obscure Glass, Add	422.39	
08 54 13 00-0438 52" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,368.63	74.81
			For Colored Vinyl, Add	122.02	
			For Tinted Glass, Add	146.42	
			For Low-E Insulated Glass, Add	305.04	
			For Obscure Glass, Add	335.54	
08 54 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,497.64	81.72
			For Colored Vinyl, Add	133.54	
			For Tinted Glass, Add	160.24	
			For Low-E Insulated Glass, Add	333.84	
			For Obscure Glass, Add	367.22	
08 54 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,562.01	84.60
			For Colored Vinyl, Add	139.28	
			For Tinted Glass, Add	167.14	
			For Low-E Insulated Glass, Add	348.21	
			For Obscure Glass, Add	383.03	
08 54 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,626.59	88.05
			For Colored Vinyl, Add	145.05	
			For Tinted Glass, Add	174.06	
			For Low-E Insulated Glass, Add	362.62	
			For Obscure Glass, Add	398.88	
08 54 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,669.52	90.93
			For Colored Vinyl, Add	148.88	
			For Tinted Glass, Add	178.66	
			For Low-E Insulated Glass, Add	372.21	
			For Obscure Glass, Add	409.43	
08 54 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,755.52	94.95
			For Colored Vinyl, Add	156.56	
			For Tinted Glass, Add	187.87	
			For Low-E Insulated Glass, Add	391.41	
			For Obscure Glass, Add	430.55	
08 54 13 00-0445 54" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,394.48	75.96
			For Colored Vinyl, Add	124.37	
			For Tinted Glass, Add	149.25	
			For Low-E Insulated Glass, Add	310.93	
			For Obscure Glass, Add	342.02	
08 54 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,525.38	82.86
			For Colored Vinyl, Add	136.08	
			For Tinted Glass, Add	163.30	
			For Low-E Insulated Glass, Add	340.20	
			For Obscure Glass, Add	374.22	
08 54 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,590.87	85.74
			For Colored Vinyl, Add	141.94	
			For Tinted Glass, Add	170.33	
			For Low-E Insulated Glass, Add	354.85	
			For Obscure Glass, Add	390.33	
08 54 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,656.42	89.20
			For Colored Vinyl, Add	147.80	
			For Tinted Glass, Add	177.36	
			For Low-E Insulated Glass, Add	369.51	
			For Obscure Glass, Add	406.46	



Openings			08	08
Windows			08 50	
Composite Windows			08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,700.05	92.08
			For Colored Vinyl, Add	151.71	
			For Tinted Glass, Add	182.05	
			For Low-E Insulated Glass, Add	379.27	
			For Obscure Glass, Add	417.19	
08 54 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,787.32	96.10
			For Colored Vinyl, Add	159.51	
			For Tinted Glass, Add	191.41	
			For Low-E Insulated Glass, Add	398.78	
			For Obscure Glass, Add	438.66	
08 54 13 00-0452 60" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0381)					
08 54 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,533.88	79.41
			For Colored Vinyl, Add	137.62	
			For Tinted Glass, Add	165.15	
			For Low-E Insulated Glass, Add	344.05	
			For Obscure Glass, Add	378.46	
08 54 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,608.95	86.32
			For Colored Vinyl, Add	143.75	
			For Tinted Glass, Add	172.50	
			For Low-E Insulated Glass, Add	359.37	
			For Obscure Glass, Add	395.30	
08 54 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,677.51	89.20
			For Colored Vinyl, Add	149.91	
			For Tinted Glass, Add	179.89	
			For Low-E Insulated Glass, Add	374.78	
			For Obscure Glass, Add	412.26	
08 54 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,746.01	92.65
			For Colored Vinyl, Add	156.07	
			For Tinted Glass, Add	187.29	
			For Low-E Insulated Glass, Add	390.18	
			For Obscure Glass, Add	429.20	
08 54 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,791.75	95.53
			For Colored Vinyl, Add	160.19	
			For Tinted Glass, Add	192.22	
			For Low-E Insulated Glass, Add	400.46	
			For Obscure Glass, Add	440.51	
08 54 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,883.08	99.55
			For Colored Vinyl, Add	168.40	
			For Tinted Glass, Add	202.08	
			For Low-E Insulated Glass, Add	420.99	
			For Obscure Glass, Add	463.09	
08 54 13 00-0459 Replacement, Horizontal Sliding Fiberglass Windows (08 54 13 00-0380)					
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).					
08 54 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window	1,703.78	60.42
			For Colored Vinyl, Add	158.29	
			For Tinted Glass, Add	189.95	
			For Low-E Insulated Glass, Add	395.73	
			For Obscure Glass, Add	435.31	
08 54 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window	1,874.06	66.18
			For Colored Vinyl, Add	174.17	
			For Tinted Glass, Add	209.01	
			For Low-E Insulated Glass, Add	435.43	
			For Obscure Glass, Add	478.97	
08 54 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window	2,030.41	71.93
			For Colored Vinyl, Add	188.66	
			For Tinted Glass, Add	226.39	
			For Low-E Insulated Glass, Add	471.64	
			For Obscure Glass, Add	518.80	
08 54 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window	2,133.58	77.69
			For Colored Vinyl, Add	197.82	
			For Tinted Glass, Add	237.38	
			For Low-E Insulated Glass, Add	494.55	
			For Obscure Glass, Add	544.01	
08 54 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window	2,244.37	83.44
			For Colored Vinyl, Add	207.75	
			For Tinted Glass, Add	249.30	
			For Low-E Insulated Glass, Add	519.37	
			For Obscure Glass, Add	571.31	
08 54 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window	2,444.73	89.20
			For Colored Vinyl, Add	226.63	
			For Tinted Glass, Add	271.96	
			For Low-E Insulated Glass, Add	566.59	
			For Obscure Glass, Add	623.24	
08 54 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Fiberglass Window	20.42	0.74
			For Colored Vinyl, Add	1.89	
			For Tinted Glass, Add	2.27	
			For Low-E Insulated Glass, Add	4.73	
			For Obscure Glass, Add	5.20	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0467 Basement Fiberglass Windows (08 54 13)		
08 54 13 00-0468 New Construction, Basement Fiberglass Windows (08 54 13 00-0467)		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0469 EA 32" x 15", New Construction, Basement Fiberglass Window	931.47	46.04
For Colored Vinyl, Add	83.94	
For Tinted Glass, Add	100.73	
For Low-E Insulated Glass, Add	209.85	
For Obscure Glass, Add	230.83	
08 54 13 00-0470 EA 32" x 20", New Construction, Basement Fiberglass Window	1,029.43	46.04
For Colored Vinyl, Add	93.74	
For Tinted Glass, Add	112.48	
For Low-E Insulated Glass, Add	234.34	
For Obscure Glass, Add	257.77	
08 54 13 00-0471 EA 32" x 23", New Construction, Basement Fiberglass Window	1,085.35	46.04
For Colored Vinyl, Add	99.33	
For Tinted Glass, Add	119.19	
For Low-E Insulated Glass, Add	248.32	
For Obscure Glass, Add	273.15	
08 54 13 00-0472 Replacement, Basement Fiberglass Windows (08 54 13 00-0467)		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0473 EA Up To 47" UI, Replacement, Basement Fiberglass Window	1,278.89	44.89
For Colored Vinyl, Add	118.91	
For Tinted Glass, Add	142.69	
For Low-E Insulated Glass, Add	297.28	
For Obscure Glass, Add	327.01	
08 54 13 00-0474 EA >47" To 55" UI, Replacement, Basement Fiberglass Window	1,411.61	51.80
For Colored Vinyl, Add	130.80	
For Tinted Glass, Add	156.96	
For Low-E Insulated Glass, Add	327.01	
For Obscure Glass, Add	359.71	
08 54 13 00-0475 UI >55" UI, Replacement, Basement Fiberglass Window	25.25	0.74
For Colored Vinyl, Add	2.38	
For Tinted Glass, Add	2.85	
For Low-E Insulated Glass, Add	5.94	
For Obscure Glass, Add	6.53	
08 54 66 Fiberglass Window Screens (08 54)		
08 54 66 00-0001 Insect Screens For Fiberglass Windows (08 54 66)		
08 54 66 00-0002 EA Up To 6 SF, Insect Screen For Fiberglass Windows	71.69	10.46
08 54 66 00-0003 EA >6 To 9 SF, Insect Screen For Fiberglass Windows	102.16	10.46
08 54 66 00-0004 EA >9 To 12 SF, Insect Screen For Fiberglass Windows	112.31	10.46
08 54 66 00-0005 EA >12 To 15 SF, Insect Screen For Fiberglass Windows	132.62	10.46
08 54 66 00-0006 EA >15 To 20 SF, Insect Screen For Fiberglass Windows	178.32	10.46
08 54 66 00-0007 EA >20 To 25 SF, Insect Screen For Fiberglass Windows	198.63	10.46
08 54 66 00-0008 EA >25 To 30 SF, Insect Screen For Fiberglass Windows	229.10	10.46
08 54 66 00-0009 EA >30 To 35 SF, Insect Screen For Fiberglass Windows	249.41	10.46
08 54 66 00-0010 SF >35 SF, Insect Screen For Fiberglass Windows	7.63	0.21
08 54 66 00-0011 Factory Installed Grilles For Fiberglass Windows (08 54 66)		
08 54 66 00-0012 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)		
08 54 66 00-0013 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	78.19	
08 54 66 00-0014 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	100.53	
08 54 66 00-0015 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	129.48	
08 54 66 00-0016 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	152.83	
08 54 66 00-0017 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	187.87	
08 54 66 00-0018 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)		
08 54 66 00-0019 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	177.71	
08 54 66 00-0020 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	213.25	
08 54 66 00-0021 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	269.11	
08 54 66 00-0022 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	335.11	
08 54 66 00-0023 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	401.12	



Openings		08	08
Windows		08 50	
Composite Windows		08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 Special Function Windows (08 50)

08 56 19 Pass Windows (08 56)

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	4,838.15	687.22
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,331.44	744.48
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,606.08	801.76
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	7,018.61	916.29
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	9,463.41	1,374.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)

08 56 49 00-0001 Lead Lined Window Frames (08 56 49)

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	54.25	8.63
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	61.36	8.63

08 56 56 Security Window Screens (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	42.43	5.16
		For Painted Steel, Add	3.56	
		For Galvanized Steel, Add	7.11	
		For Aluminum, Add	14.22	
		For Stainless Steel, Add	62.23	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	43.45	5.16
		For Painted Steel, Add	3.66	
		For Galvanized Steel, Add	7.32	
		For Aluminum, Add	14.63	
		For Stainless Steel, Add	64.02	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	48.14	5.16
		For Painted Steel, Add	4.13	
		For Galvanized Steel, Add	8.25	
		For Aluminum, Add	16.51	
		For Stainless Steel, Add	72.22	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	58.18	5.16
		For Painted Steel, Add	5.13	
		For Galvanized Steel, Add	10.26	
		For Aluminum, Add	20.52	
		For Stainless Steel, Add	89.79	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	59.81	6.30
		For Painted Steel, Add	5.07	
		For Galvanized Steel, Add	10.13	
		For Aluminum, Add	20.26	
		For Stainless Steel, Add	88.64	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	61.36	6.30
		For Painted Steel, Add	5.22	
		For Galvanized Steel, Add	10.44	
		For Aluminum, Add	20.88	
		For Stainless Steel, Add	91.35	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	68.09	6.30
		For Painted Steel, Add	5.89	
		For Galvanized Steel, Add	11.79	
		For Aluminum, Add	23.57	
		For Stainless Steel, Add	103.13	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	82.16	6.30
		For Painted Steel, Add	7.30	
		For Galvanized Steel, Add	14.60	
		For Aluminum, Add	29.20	
		For Stainless Steel, Add	127.75	

08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)

Note: Wire cloth has from 10 to 12 strands per 1".

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 56 56 00-0013		Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)			
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	26.94	3.43	
		For Painted Steel, Add	1.06		
		For Galvanized Steel, Add	3.18		
		For Aluminum, Add	6.36		
		For Stainless Steel, Add	26.51		
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	28.37	3.43	
		For Painted Steel, Add	1.13		
		For Galvanized Steel, Add	3.40		
		For Aluminum, Add	6.79		
		For Stainless Steel, Add	28.30		
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	30.61	3.43	
		For Painted Steel, Add	1.24		
		For Galvanized Steel, Add	3.73		
		For Aluminum, Add	7.46		
		For Stainless Steel, Add	31.10		
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	34.89	3.43	
		For Painted Steel, Add	1.46		
		For Galvanized Steel, Add	4.37		
		For Aluminum, Add	8.75		
		For Stainless Steel, Add	36.45		
08 56 56 00-0018		Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)			
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	37.09	4.58	
		For Painted Steel, Add	1.51		
		For Galvanized Steel, Add	4.53		
		For Aluminum, Add	9.07		
		For Stainless Steel, Add	37.78		
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	39.29	4.58	
		For Painted Steel, Add	1.62		
		For Galvanized Steel, Add	4.86		
		For Aluminum, Add	9.73		
		For Stainless Steel, Add	40.53		
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	42.35	4.58	
		For Painted Steel, Add	1.77		
		For Galvanized Steel, Add	5.32		
		For Aluminum, Add	10.64		
		For Stainless Steel, Add	44.35		
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	48.47	4.58	
		For Painted Steel, Add	2.08		
		For Galvanized Steel, Add	6.24		
		For Aluminum, Add	12.48		
		For Stainless Steel, Add	52.00		
08 56 56 00-0023		Expanded Metal Security Screen (08 56 56)			
Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.					
08 56 56 00-0024		Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)			
08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	51.71	8.59	
		For Painted Steel, Add	2.07		
		For Galvanized Steel, Add	6.21		
		For Aluminum, Add	12.42		
		For Stainless Steel, Add	51.75		
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	59.91	10.31	
		For Painted Steel, Add	2.37		
		For Galvanized Steel, Add	7.10		
		For Aluminum, Add	14.19		
		For Stainless Steel, Add	59.14		
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	66.48	12.60	
		For Painted Steel, Add	2.58		
		For Galvanized Steel, Add	7.74		
		For Aluminum, Add	15.48		
		For Stainless Steel, Add	64.49		
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	77.26	14.89	
		For Painted Steel, Add	2.95		
		For Galvanized Steel, Add	8.84		
		For Aluminum, Add	17.68		
		For Stainless Steel, Add	73.66		
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	71.83	14.32	
		For Painted Steel, Add	2.73		
		For Galvanized Steel, Add	8.20		
		For Aluminum, Add	16.40		
		For Stainless Steel, Add	68.31		
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	90.48	18.33	
		For Painted Steel, Add	3.44		
		For Galvanized Steel, Add	10.31		
		For Aluminum, Add	20.62		
		For Stainless Steel, Add	85.90		
08 56 56 00-0031		Expanded Metal, Operable, Security Screen (08 56 56 00-0023)			



		Openings	08	08
		Windows	08 50	
		Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	40.73	10.31	
		For Painted Steel, Add	1.41		
		For Galvanized Steel, Add	4.22		
		For Aluminum, Add	8.44		
		For Stainless Steel, Add	35.16		
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	82.39	12.60	
		For Painted Steel, Add	3.38		
		For Galvanized Steel, Add	10.13		
		For Aluminum, Add	20.25		
		For Stainless Steel, Add	84.38		
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	90.80	14.32	
		For Painted Steel, Add	3.68		
		For Galvanized Steel, Add	11.04		
		For Aluminum, Add	22.09		
		For Stainless Steel, Add	92.03		
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	97.37	16.03	
		For Painted Steel, Add	3.90		
		For Galvanized Steel, Add	11.69		
		For Aluminum, Add	23.37		
		For Stainless Steel, Add	97.38		
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	105.73	18.33	
		For Painted Steel, Add	4.20		
		For Galvanized Steel, Add	12.60		
		For Aluminum, Add	25.19		
		For Stainless Steel, Add	104.96		
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen.....	121.93	20.04	
		For Painted Steel, Add	4.89		
		For Galvanized Steel, Add	14.68		
		For Aluminum, Add	29.36		
		For Stainless Steel, Add	122.35		
08 56 56 00-0038		Perforated Metal Security Screen (08 56 56)			
08 56 56 00-0039		Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)			
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	48.06	5.16	
		For Painted Steel, Add	2.06		
		For Galvanized Steel, Add	6.18		
		For Aluminum, Add	12.36		
		For Stainless Steel, Add	41.19		
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	49.69	5.16	
		For Painted Steel, Add	2.14		
		For Galvanized Steel, Add	6.42		
		For Aluminum, Add	12.85		
		For Stainless Steel, Add	42.82		
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.20	5.16	
		For Painted Steel, Add	2.42		
		For Galvanized Steel, Add	7.25		
		For Aluminum, Add	14.50		
		For Stainless Steel, Add	48.33		
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	65.60	5.16	
		For Painted Steel, Add	2.94		
		For Galvanized Steel, Add	8.81		
		For Aluminum, Add	17.62		
		For Stainless Steel, Add	58.73		
08 56 56 00-0044		Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)			
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	67.68	6.30	
		For Painted Steel, Add	2.93		
		For Galvanized Steel, Add	8.78		
		For Aluminum, Add	17.56		
		For Stainless Steel, Add	58.52		
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	70.54	6.30	
		For Painted Steel, Add	3.07		
		For Galvanized Steel, Add	9.21		
		For Aluminum, Add	18.41		
		For Stainless Steel, Add	61.38		
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	77.68	6.30	
		For Painted Steel, Add	3.43		
		For Galvanized Steel, Add	10.28		
		For Aluminum, Add	20.56		
		For Stainless Steel, Add	68.52		
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	92.56	6.30	
		For Painted Steel, Add	4.17		
		For Galvanized Steel, Add	12.51		
		For Aluminum, Add	25.02		
		For Stainless Steel, Add	83.40		
08 56 56 00-0049		Removal And Reinstallation Of Security Screens And Guards (08 56 56)			
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens.....	14.43		
08 56 59		Service and Teller Window Units (08 56)			

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 59 00-0001			Communicator For Window (08 56 59)		
08 56 59 00-0002	EA		Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350)..... Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,768.82	229.08
08 56 59 00-0003	EA		Electronic Two-Way Audio Communicator (Haven SC-300)..... Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,406.90	229.08
08 56 59 00-0004	EA		Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1).....	2,181.83	229.08
08 56 59 00-0005			Speak-Thru Communicator For Window (08 56 59)		
08 56 59 00-0006	EA		5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A)..... Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	156.94	
08 56 59 00-0007	EA		6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS)..... Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	235.33	
08 56 59 00-0008			Counter Drop-In Deal Tray (08 56 59)		
08 56 59 00-0009	EA		16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	449.57	43.47

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)**08 62 23 Tubular Skylights** (08 62)**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,440.20	231.06
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,090.09	
08 62 23 00-0004	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,519.84	236.84
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,091.25	
08 62 23 00-0005	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,597.20	242.61
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,092.40	
08 62 23 00-0006	EA		5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,706.33	248.39
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,093.56	



Openings			08	08
Roof Windows and Skylights			08 60	
Unit Skylights			08 62	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,801.85		254.18
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,094.72		
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,879.21		259.95
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,095.87		
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,956.57		265.73
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,097.03		
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,083.85		271.51
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,098.18		
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,161.22		277.28
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,099.34		
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,240.85		283.06
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,100.49		
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,318.21		288.84
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,101.65		
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,445.51		294.61
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,102.80		
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,522.88		300.39
		For Class 3 Hail Rated, Add	4.00		
		For Polycarbonate Diffuser Lens, Add	7.00		
		For High Velocity Hurricane Zone Rated, Add	14.00		
		For FM Approved, Add	20.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00		
		For Single Blade Louver, Add	1,103.96		

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,600.24	306.16
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,105.11	
08 62 23 00-0017	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,677.60	311.94
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,106.27	
08 62 23 00-0018			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,746.55	231.06
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,090.09	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,855.69	236.84
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,091.25	
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,964.82	242.61
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,092.40	
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,073.95	248.39
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,093.56	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,251.17	254.18
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,094.72	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,360.30	259.95
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,095.87	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,469.43	265.73
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,097.03	



Openings			08	08
Roof Windows and Skylights			08 60	
Unit Skylights			08 62	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		2,646.64	271.51
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,098.18	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		2,755.78	277.28
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,099.34	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		2,864.91	283.06
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,100.49	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		2,974.04	288.84
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,101.65	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		3,151.26	294.61
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,102.80	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		3,260.40	300.39
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,103.96	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		3,369.53	306.16
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,105.11	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		3,478.66	311.94
		For Class 3 Hail Rated, Add		5.00	
		For Polycarbonate Diffuser Lens, Add		8.00	
		For High Velocity Hurricane Zone Rated, Add		14.00	
		For FM Approved, Add		22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		86.00	
		For Single Blade Louver, Add		1,106.27	
08 62 23 00-0034		55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)			
08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....		2,333.07	259.95
		For Class 3 Hail Rated, Add		10.00	
		For Polycarbonate Diffuser Lens, Add		14.00	
		For High Velocity Hurricane Zone Rated, Add		22.00	
		For FM Approved, Add		36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add		95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add		145.00	
		For Single Blade Louver, Add		1,095.87	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,485.32		265.73
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,097.03		
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,639.83		271.51
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,098.18		
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,792.09		277.28
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,099.34		
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,035.11		283.06
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,100.49		
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,187.36		288.84
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,101.65		
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,339.61		294.61
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,102.80		
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,584.91		300.39
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,103.96		
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,737.16		306.16
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,105.11		
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,889.40		311.94
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,106.27		



Openings			08
Roof Windows and Skylights			08 60
Unit Skylights			08 62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0045	EA	12'	Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	4,041.65 10.00 14.00 22.00 36.00 95.00 145.00 1,107.42	317.72
08 62 23 00-0046	EA	13'	Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	4,284.68 10.00 14.00 22.00 36.00 95.00 145.00 1,108.58	323.49
08 62 23 00-0047	EA	14'	Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	4,436.92 10.00 14.00 22.00 36.00 95.00 145.00 1,109.73	329.27
08 62 23 00-0048	EA	15'	Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	4,591.44 10.00 14.00 22.00 36.00 95.00 145.00 1,110.89	335.05
08 62 23 00-0049	EA	16'	Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	4,743.69 10.00 14.00 22.00 36.00 95.00 145.00 1,112.04	340.82

08 63 Metal-Framed Skylights (08 60)

08 63 13 Domed Metal-Framed Skylights (08 63)

08 63 13 00-0001	Domed Aluminum Framed Skylights (08 63 13)				
08 63 13 00-0002	Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)				
08 63 13 00-0003	Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)				
08 63 13 00-0004	Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0005	EA	27-1/4" x 27-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	942.11	155.97
08 63 13 00-0006	EA	27-1/4" x 51-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,124.91	167.52
08 63 13 00-0007	EA	27-1/4" x 99-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,495.01	184.85
08 63 13 00-0008	EA	27-1/4" x 123-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,673.91	196.40
08 63 13 00-0009	EA	39-1/4" x 39-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,183.59	167.52
08 63 13 00-0010	EA	39-1/4" x 63-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,455.83	184.85
08 63 13 00-0011	EA	39-1/4" x 75-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,576.36	196.40
08 63 13 00-0012	EA	39-1/4" x 99-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,778.80	207.96
08 63 13 00-0013	EA	39-1/4" x 123-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,051.35	225.29
08 63 13 00-0014	EA	51-1/4" x 51-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,482.99	196.40
08 63 13 00-0015	EA	51-1/4" x 63-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,599.77	202.18
08 63 13 00-0016	EA	51-1/4" x 75-1/4"	Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,786.77	207.96

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,926.94	213.73
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,121.44	231.06
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,362.91	242.61
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,739.94	207.96
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,887.76	219.51
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,113.78	225.29
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,238.35	236.84
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,557.88	248.39

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights

(08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,137.23	155.97
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,316.13	167.52
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,647.20	184.85
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,830.00	196.40
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,324.08	167.52
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,565.10	184.85
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,693.42	196.40
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,911.48	207.96
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,129.39	225.29
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,592.26	196.40
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,724.64	202.18
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,853.10	207.96
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,001.09	213.73
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,160.46	231.06
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,405.84	242.61
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,868.71	207.96
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,028.25	219.51
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,195.73	225.29
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,328.11	236.84
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,616.42	248.39

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights

(08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,152.84	155.97
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,347.34	167.52
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,690.13	184.85
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,363.10	167.52
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,619.73	184.85
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,736.35	196.40
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,958.31	207.96



		Openings	08
		Roof Windows and Skylights	08 60
		Metal-Framed Skylights	08 63

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,627.38	196.40
08 63 13 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,755.86	202.18
08 63 13 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,903.83	207.96
08 63 13 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,051.82	213.73
08 63 13 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,222.90	231.06
08 63 13 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,915.54	207.96
08 63 13 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,090.68	219.51
08 63 13 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,258.17	225.29
08 63 13 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,390.54	236.84
08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,180.15	155.97
08 63 13 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,390.27	167.52
08 63 13 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,729.15	184.85
08 63 13 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,970.49	196.40
08 63 13 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,402.12	167.52
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,654.85	184.85
08 63 13 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,775.37	196.40
08 63 13 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,016.84	207.96
08 63 13 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,670.30	196.40
08 63 13 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,798.79	202.18
08 63 13 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,958.47	207.96
08 63 13 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,110.35	213.73
08 63 13 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,285.34	231.06
08 63 13 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,974.08	207.96
08 63 13 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,149.22	219.51
08 63 13 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,320.61	225.29
08 63 13 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,460.79	236.84
08 63 13 00-0081 Curb Top Inserts (08 63 13 00-0003) Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	312.75	75.09
08 63 13 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	407.45	86.65
08 63 13 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	646.15	115.54
08 63 13 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	596.84	103.98
08 63 13 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	709.69	115.54
08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	405.80	75.09
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	586.73	86.65
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	970.66	115.54
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	941.78	103.98
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,159.01	115.54
08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	496.57	75.09

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert		756.93	86.65
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert		1,370.05	115.54
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert		1,264.02	103.98
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert		1,576.56	115.54
08 63 13 00-0100	Pyramid Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)				
08 63 13 00-0101	Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight		871.87	155.97
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight		1,074.33	167.52
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight		1,373.73	196.40
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight		1,697.01	207.96
08 63 13 00-0106	Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....		1,176.25	155.97
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....		1,386.51	167.52
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....		1,658.60	196.40
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....		1,958.47	207.96
08 63 13 00-0111	Double Hip Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)				
08 63 13 00-0112	Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,016.26	155.97
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,377.95	184.85
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		1,611.48	196.40
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,307.55	184.85
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,424.17	196.40
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,692.95	207.96
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		1,969.40	225.29
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,494.41	202.18
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,634.58	207.96
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,786.46	213.73
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		1,949.74	231.06
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		2,277.06	242.61
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		1,844.84	219.51
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		2,055.25	225.29
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight		2,199.33	236.84
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		2,514.96	248.39
08 63 13 00-0129	Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....		1,148.93	155.97



Openings			08
Roof Windows and Skylights			08 60
Metal-Framed Skylights			08 63

88

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,335.64	167.52
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,666.72	184.85
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,351.39	167.52
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,487.51	179.08
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,596.32	184.85
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,712.94	196.40
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,938.80	207.96
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,611.77	202.18
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,740.25	202.18
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,880.42	207.96
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,024.50	213.73
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,191.68	231.06
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,888.23	207.96
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,063.37	219.51
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,226.95	225.29
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,355.42	236.84
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,323.93	167.52
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,717.45	184.85
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,639.24	184.85
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,763.67	196.40
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,001.23	207.96
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,787.08	202.18
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,938.96	207.96
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,094.74	213.73
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,254.12	231.06
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,133.61	219.51
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,305.00	225.29
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,441.27	236.84
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0001)		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,251.09	231.06
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,872.87	219.51
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,512.54	231.06

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0167			25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,808.10	231.06
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,445.49	219.51
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,163.21	231.06
08 63 13 00-0171			30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,256.87	231.06
08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,886.45	219.51
08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,604.17	231.06
08 63 13 00-0175			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176			10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,274.50	231.06
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,896.28	219.51
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,547.66	231.06
08 63 13 00-0180			25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,839.32	231.06
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,468.91	219.51
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,202.24	231.06
08 63 13 00-0184			30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,280.28	231.06
08 63 13 00-0186	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,909.87	219.51
08 63 13 00-0187	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,643.20	231.06
08 66			Wood-Framed Skylights (08 60)		
08 66 00 00-0001			Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002	EA		16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	749.73	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	115.50	
			For Aluminum Shingle Flashing, Add	92.40	
08 66 00 00-0003	EA		16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	768.59	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	120.22	
			For Aluminum Shingle Flashing, Add	96.17	
08 66 00 00-0004	EA		24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	723.81	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	109.02	
			For Aluminum Shingle Flashing, Add	87.22	
08 66 00 00-0005	EA		24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	782.73	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	123.75	
			For Aluminum Shingle Flashing, Add	99.00	
08 66 00 00-0006	EA		24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	832.23	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	136.13	
			For Aluminum Shingle Flashing, Add	108.90	
08 66 00 00-0007	EA		24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	912.38	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	156.16	
			For Aluminum Shingle Flashing, Add	124.93	
08 66 00 00-0008	EA		24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,013.74	143.86
			For Tempered Laminated Low-E Insulated Glass, Add	181.50	
			For Aluminum Shingle Flashing, Add	145.20	



Openings		08	08
Roof Windows and Skylights		08 60	
Wood-Framed Skylights		08 66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0009	EA	27" x 24-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	723.81 109.02 87.22	143.86
08 66 00 00-0010	EA	28" x 38"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	844.02 139.07 111.26	143.86
08 66 00 00-0011	EA	28" x 46"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	912.38 156.16 124.93	143.86
08 66 00 00-0012	EA	28" x 57"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	990.16 175.61 140.49	143.86
08 66 00 00-0013	EA	28" x 72"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	1,093.88 201.54 161.23	143.86
08 66 00 00-0014	EA	38" x 16-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	749.73 115.50 92.40	143.86
08 66 00 00-0015	EA	38" x 24-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	782.73 123.75 99.00	143.86
08 66 00 00-0016	EA	38" x 28"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	844.02 139.07 111.26	143.86
08 66 00 00-0017	EA	44" x 46"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	1,060.88 193.29 154.63	143.86
08 66 00 00-0018	EA	46" x 16-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	768.59 120.22 96.17	143.86
08 66 00 00-0019	EA	46" x 24-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	832.23 136.13 108.90	143.86
08 66 00 00-0020	EA	46" x 28"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	912.38 156.16 124.93	143.86
08 66 00 00-0021	EA	46" x 44"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	1,060.88 193.29 154.63	143.86
08 66 00 00-0022	EA	57" x 24-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	912.38 156.16 124.93	143.86
08 66 00 00-0023	EA	57" x 28"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	990.16 175.61 140.49	143.86
08 66 00 00-0024	EA	72" x 24-1/2"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	1,013.74 181.50 145.20	143.86
08 66 00 00-0025	EA	72" x 28"	Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	1,093.88 201.54 161.23	143.86

08 70 Hardware (08)

08 71 Door Hardware (08 70)

08 71 11 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	Hinges (08 71 11)	Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002	Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0001)	Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003	Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	92.67	8.05	
	For Clear Coated Bright Brass, Add	7.01		
	For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	101.77	11.51	
	For Clear Coated Bright Brass, Add	7.80		
	For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	112.38	12.66	
	For Clear Coated Bright Brass, Add	6.53		
	For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0007	Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	107.67 8.99 6.00	8.05
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	121.78 8.99 6.00	11.51
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	122.53 7.95 6.00	12.66
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	143.16 9.30 6.00	14.96
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	144.17 9.44 6.00	14.96
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	155.73 11.06 6.00	19.22
08 71 11 00-0014		Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	123.16	8.05
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	137.26	11.51
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	139.37	12.66
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	161.72	14.96
08 71 11 00-0019		Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	156.31 12.68 6.00	12.66
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	177.22 14.07 6.00	14.96
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	198.49 17.05 6.00	14.96
08 71 11 00-0023		Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	160.52 13.27 6.00	12.66
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	189.19 15.74 6.00	14.96
08 71 11 00-0026		Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	155.43 12.55 6.00	12.66
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	179.53 14.39 6.00	19.22
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	216.08 19.51 6.00	19.22
08 71 11 00-0030		Mortised, Wrought Steel Hinges (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031		Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy-Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	60.09 -3.33 2.08 -2.00 9.16 2.50 6.00	8.05

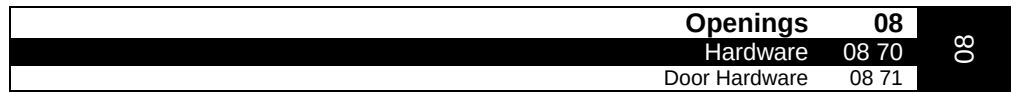


Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	.....	75.93	11.51
		For Primed For Paint Finish, Deduct		-3.68	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		2.30	
		For Satin Brass Plated Clear Coated Finish, Deduct		-2.21	
		For Stainless Steel, Add		10.11	
		For Heavy-Duty, Add		2.76	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	.....	88.18	12.66
		For Primed For Paint Finish, Deduct		-4.48	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		2.80	
		For Satin Brass Plated Clear Coated Finish, Deduct		-2.69	
		For Stainless Steel, Add		12.33	
		For Heavy-Duty, Add		3.36	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0035		Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)			
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	104.17	8.05
		For Primed For Paint Finish, Deduct		-12.15	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		7.59	
		For Satin Brass Plated Clear Coated Finish, Deduct		-7.29	
		For Stainless Steel, Add		33.41	
		For Heavy-Duty, Add		9.11	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	126.32	11.51
		For Primed For Paint Finish, Deduct		-13.76	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		8.60	
		For Satin Brass Plated Clear Coated Finish, Deduct		-8.25	
		For Stainless Steel, Add		37.83	
		For Heavy-Duty, Add		10.32	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	97.50	12.66
		For Primed For Paint Finish, Deduct		-6.35	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		3.97	
		For Satin Brass Plated Clear Coated Finish, Deduct		-3.81	
		For Stainless Steel, Add		17.45	
		For Heavy-Duty, Add		4.76	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0039	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	177.29	14.96
		For Primed For Paint Finish, Deduct		-20.11	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		12.57	
		For Satin Brass Plated Clear Coated Finish, Deduct		-12.07	
		For Stainless Steel, Add		55.31	
		For Heavy-Duty, Add		15.08	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0040	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	191.49	14.96
		For Primed For Paint Finish, Deduct		-22.95	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		14.35	
		For Satin Brass Plated Clear Coated Finish, Deduct		-13.77	
		For Stainless Steel, Add		63.12	
		For Heavy-Duty, Add		17.21	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0041	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	.....	234.76	14.96
		For Primed For Paint Finish, Deduct		-31.61	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		19.75	
		For Satin Brass Plated Clear Coated Finish, Deduct		-18.96	
		For Stainless Steel, Add		86.92	
		For Heavy-Duty, Add		23.70	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0042		Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030)			
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.			
08 71 11 00-0043	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	.....	129.63	8.05
		For Primed For Paint Finish, Deduct		-17.24	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		10.78	
		For Satin Brass Plated Clear Coated Finish, Deduct		-10.34	
		For Stainless Steel, Add		47.41	
		For Heavy-Duty, Add		12.93	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0044	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	.....	155.23	11.51
		For Primed For Paint Finish, Deduct		-19.54	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		12.21	
		For Satin Brass Plated Clear Coated Finish, Deduct		-11.72	
		For Stainless Steel, Add		53.73	
		For Heavy-Duty, Add		14.65	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	
08 71 11 00-0045	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	.....	174.95	12.66
		For Primed For Paint Finish, Deduct		-21.84	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add		13.65	
		For Satin Brass Plated Clear Coated Finish, Deduct		-13.10	
		For Stainless Steel, Add		60.05	
		For Heavy-Duty, Add		16.38	
		For Pair Of Non-Removable Pins (NRP), Add		6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	197.40	14.96
			For Primed For Paint Finish, Deduct	-24.13	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.08	
			For Satin Brass Plated Clear Coated Finish, Deduct	-14.48	
			For Stainless Steel, Add	66.37	
			For Heavy-Duty, Add	18.10	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0047			Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	181.09	12.66
			For Primed For Paint Finish, Deduct	-24.71	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.44	
			For Satin Brass Plated Clear Coated Finish, Deduct	-14.83	
			For Stainless Steel, Add	67.95	
			For Heavy-Duty, Add	18.53	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	202.48	12.66
			For Primed For Paint Finish, Deduct	-27.34	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	17.09	
			For Satin Brass Plated Clear Coated Finish, Deduct	-16.41	
			For Stainless Steel, Add	75.19	
			For Heavy-Duty, Add	20.51	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	234.76	14.96
			For Primed For Paint Finish, Deduct	-31.61	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	19.75	
			For Satin Brass Plated Clear Coated Finish, Deduct	-18.96	
			For Stainless Steel, Add	86.92	
			For Heavy-Duty, Add	23.70	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0051			Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	131.30	12.66
			For Primed For Paint Finish, Deduct	-13.11	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.19	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.86	
			For Stainless Steel, Add	36.04	
			For Heavy-Duty, Add	9.83	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0053			Blank Butt Hinges (08 71 11 00-0030)		
08 71 11 00-0054	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	28.92	5.17
			For Primed For Paint Finish, Deduct	-1.67	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.04	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.00	
			For Stainless Steel, Add	4.59	
			For Heavy-Duty, Add	1.25	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0055			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	106.02	8.05
			For Primed For Paint Finish, Deduct	-12.52	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.82	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.51	
			For Stainless Steel, Add	34.42	
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	139.41	11.51
			For Primed For Paint Finish, Deduct	-16.37	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.23	
			For Satin Brass Plated Clear Coated Finish, Deduct	-9.82	
			For Stainless Steel, Add	45.03	
08 71 11 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	186.20	12.66
			For Primed For Paint Finish, Deduct	-24.09	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.05	
			For Satin Brass Plated Clear Coated Finish, Deduct	-14.45	
			For Stainless Steel, Add	66.24	
08 71 11 00-0059			Offset And Pivot Hinges (08 71 11 00-0001)		
			Note: Satin chrome plated, US26D.		
08 71 11 00-0060			Offset Swing Clear Hinges (08 71 11 00-0059)		
			Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA		4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	149.58	3.59
08 71 11 00-0062			Offset Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0063			3/4" Offset Pivot Hinges (08 71 11 00-0062)		



2026 copyright 2026 The Gordian Group, Inc. **San Bernardino County. Demolition and Abatement** **Page 08 - 375**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	267.51	14.39	
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	267.51	14.39	
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	267.51	14.39	
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	267.51	14.39	
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	267.51	14.39	
08 71 11 00-0129 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)					
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	225.60	14.39	
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	240.84	14.39	
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	267.51	14.39	
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	267.51	14.39	
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	267.51	14.39	
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	267.51	14.39	
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	267.51	14.39	
08 71 11 00-0137 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)					
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	225.60	14.39	
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	240.84	14.39	
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	267.51	14.39	
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	267.51	14.39	
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	267.51	14.39	
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	267.51	14.39	
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	267.51	14.39	
08 71 11 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)					
08 71 11 00-0146 200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)					
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	179.20	11.51	
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	228.75	11.51	
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	261.75	11.51	
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	261.75	11.51	
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	261.75	11.51	
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	326.60	11.51	
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	261.75	11.51	
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	179.20	11.51	
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	228.75	11.51	
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	261.75	11.51	
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	261.75	11.51	
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	261.75	11.51	
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	261.75	11.51	
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	261.75	11.51	
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	155.08	11.51	
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	212.23	11.51	
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	245.24	11.51	
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	245.24	11.51	
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	245.24	11.51	
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	245.24	11.51	
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	245.24	11.51	
08 71 11 00-0168 500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)					
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	273.87	14.39	
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	291.64	14.39	
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	291.64	14.39	
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	291.64	14.39	
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	291.64	14.39	
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	291.64	14.39	
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	296.72	14.39	
08 71 11 00-0176 600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)					
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	234.51	14.39	
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	257.36	14.39	
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	273.87	14.39	
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	273.87	14.39	
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	273.87	14.39	
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	273.87	14.39	
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	273.87	14.39	
08 71 11 00-0184 700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)					
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	544.34	14.39	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	584.98		14.39		
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	649.77		14.39		
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	649.77		14.39		
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	649.77		14.39		
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	649.77		14.39		
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	649.77		14.39		
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0063)					
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)					
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	322.14		14.39		
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	381.79		14.39		
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	430.06		14.39		
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	430.06		14.39		
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	430.06		14.39		
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	322.14		14.39		
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	381.79		14.39		
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	430.06		14.39		
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	430.06		14.39		
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	430.06		14.39		
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	322.14		14.39		
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	381.79		14.39		
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	430.06		14.39		
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	430.06		14.39		
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	430.06		14.39		
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	338.03		17.27		
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	387.55		17.27		
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	410.43		17.27		
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	410.43		17.27		
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	410.43		17.27		
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	338.03		17.27		
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	387.55		17.27		
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	410.43		17.27		
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	410.43		17.27		
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	410.43		17.27		
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)					



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 71 11 00-0225	500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)				
08 71 11 00-0226	EA Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	332.27		14.39	
08 71 11 00-0227	EA Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	388.15		14.39	
08 71 11 00-0228	EA Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	404.67		14.39	
08 71 11 00-0229	EA Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	404.67		14.39	
08 71 11 00-0230	EA Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	404.67		14.39	
08 71 11 00-0231	600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)				
08 71 11 00-0232	EA Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	332.27		14.39	
08 71 11 00-0233	EA Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	388.15		14.39	
08 71 11 00-0234	EA Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	404.67		14.39	
08 71 11 00-0235	EA Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	404.67		14.39	
08 71 11 00-0236	EA Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	404.67		14.39	
08 71 11 00-0237	700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)				
08 71 11 00-0238	EA Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	332.27		14.39	
08 71 11 00-0239	EA Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	388.15		14.39	
08 71 11 00-0240	EA Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	404.67		14.39	
08 71 11 00-0241	EA Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	404.67		14.39	
08 71 11 00-0242	EA Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	404.67		14.39	
08 71 11 00-0243	1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)				
08 71 11 00-0244	EA Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	371.06		17.27	
08 71 11 00-0245	EA Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	428.19		17.27	
08 71 11 00-0246	EA Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	443.43		17.27	
08 71 11 00-0247	EA Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	443.43		17.27	
08 71 11 00-0248	EA Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	443.43		17.27	
08 71 11 00-0249	1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)				
08 71 11 00-0250	EA Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	371.06		17.27	
08 71 11 00-0251	EA Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	428.19		17.27	
08 71 11 00-0252	EA Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	443.43		17.27	
08 71 11 00-0253	EA Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	443.43		17.27	
08 71 11 00-0254	EA Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	443.43		17.27	
08 71 11 00-0255	Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)				
08 71 11 00-0256	500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)				
08 71 11 00-0257	EA Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	371.66		14.39	
08 71 11 00-0258	EA Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	461.82		14.39	
08 71 11 00-0259	EA Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	496.10		14.39	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	496.10	14.39
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	496.10	14.39
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	365.30	14.39
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	388.15	14.39
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	446.58	14.39
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	446.58	14.39
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	446.58	14.39
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	419.31	17.27
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	467.58	17.27
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	485.34	17.27
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	485.34	17.27
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	485.34	17.27
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	598.37	17.27
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	639.01	17.27
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	655.53	17.27
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	655.53	17.27
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	655.53	17.27
08 71 11 00-0280		1-1/2" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	381.79	14.39
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	413.55	14.39
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	437.67	14.39
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	437.67	14.39
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	437.67	14.39
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	381.79	14.39
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	413.55	14.39
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	437.67	14.39
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	437.67	14.39
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	437.67	14.39

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	397.03	14.39
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	446.58	14.39
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	470.70	14.39
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	470.70	14.39
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	470.70	14.39
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	397.03	14.39
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	446.58	14.39
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	470.70	14.39
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	470.70	14.39
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	470.70	14.39
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)		
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	388.15	14.39
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	446.58	14.39
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	470.70	14.39
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	470.70	14.39
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	470.70	14.39
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	633.25	14.39
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	699.29	14.39
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	715.80	14.39
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	715.80	14.39
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	715.80	14.39
08 71 11 00-0321		Center Hung Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	195.72	11.51
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	212.23	11.51
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	201.48	14.39
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	217.99	14.39
08 71 11 00-0339		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	201.48	14.39
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	217.99	14.39
08 71 11 00-0347		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	321.52	17.27
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	377.42	17.27
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	435.82	17.27
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	435.82	17.27
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	435.82	17.27
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	435.82	17.27
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	435.82	17.27
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0356		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	147.45	11.51
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	171.60	11.51
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	195.72	11.51
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	195.72	11.51
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	195.72	11.51
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	195.72	11.51
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	195.72	11.51
08 71 11 00-0364		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	217.99	14.39
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.60	14.39
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	217.99	14.39
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.60	14.39
08 71 11 00-0379		600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.58	14.39
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	470.70	14.39
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	496.10	14.39
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	496.10	14.39
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	496.10	14.39
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	496.10	14.39
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	496.10	14.39

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 71 11 00-0387	1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)				
08 71 11 00-0388	EA Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	826.96		17.27	
08 71 11 00-0389	EA Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	851.08		17.27	
08 71 11 00-0390	EA Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	884.11		17.27	
08 71 11 00-0391	EA Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	884.11		17.27	
08 71 11 00-0392	EA Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	884.11		17.27	
08 71 11 00-0393	EA Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	884.11		17.27	
08 71 11 00-0394	EA Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	884.11		17.27	
08 71 11 00-0395	Continuous Barrel-Type Hinge (08 71 11 00-0001)				
08 71 11 00-0396	LF 1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	27.45		4.60	
	For Stainless Steel, Add	4.97			
	For Brass Or Nickel, Add	5.42			
	For Aluminum, Add	1.77			
	For Medium Gauge, Deduct	-1.81			
08 71 11 00-0397	LF 2" Wide, Steel, Continuous Barrel-Type Hinge	28.06		4.60	
	For Stainless Steel, Add	5.31			
	For Brass Or Nickel, Add	5.79			
	For Aluminum, Add	1.89			
	For Medium Gauge, Deduct	-1.93			
08 71 11 00-0398	LF 2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	29.26		4.60	
	For Stainless Steel, Add	5.97			
	For Brass Or Nickel, Add	6.51			
	For Aluminum, Add	2.13			
	For Medium Gauge, Deduct	-2.17			
08 71 11 00-0399	LF 3" Wide, Steel, Continuous Barrel-Type Hinge	30.63		4.60	
	For Stainless Steel, Add	6.72			
	For Brass Or Nickel, Add	7.33			
	For Aluminum, Add	2.40			
	For Medium Gauge, Deduct	-2.44			
08 71 11 00-0400	Continuous Geared Hinges (08 71 11 00-0001)				
08 71 11 00-0401	LF Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	63.60		4.60	
	For Bronze Finish, Add	16.95			
	For Heavy-Duty, Add	12.07			
08 71 11 00-0402	LF Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	68.89		4.60	
	For Bronze Finish, Add	18.93			
	For Heavy-Duty, Add	13.49			
08 71 11 00-0403	LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	42.41		4.60	
	For Bronze Finish, Add	9.00			
08 71 11 00-0404	LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	50.06		4.60	
	For Bronze Finish, Add	11.87			
08 71 11 00-0405	Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)				
08 71 11 00-0406	PR 2", Mortised, Primed Steel, Double Acting Spring Hinge	171.92		8.05	
	For Satin Brass, Add	31.59			
08 71 11 00-0407	PR 3", Mortised, Primed Steel, Double Acting Spring Hinge	183.50		10.36	
	For Satin Brass, Add	31.61			
08 71 11 00-0408	PR 4", Mortised, Primed Steel, Double Acting Spring Hinge	202.19		12.66	
	For Satin Brass, Add	33.33			
08 71 11 00-0409	PR 5", Mortised, Primed Steel, Double Acting Spring Hinge	266.96		14.96	
	For Satin Brass, Add	46.12			
08 71 11 00-0410	PR 6", Mortised, Primed Steel, Double Acting Spring Hinge	297.94		17.27	
	For Satin Brass, Add	50.79			
08 71 11 00-0411	PR 7", Mortised, Primed Steel, Double Acting Spring Hinge	359.97		19.57	
	For Satin Brass, Add	62.91			
08 71 11 00-0412	PR 8", Mortised, Primed Steel, Double Acting Spring Hinge	494.89		54.67	
	For Satin Brass, Add	92.53			
08 71 11 00-0413	Security Hinges (08 71 11 00-0001)				
08 71 11 00-0414	EA 4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	43.82		8.05	
08 71 11 00-0415	Concealed Circuit Electric Hinge Option (08 71 11 00-0001)				
	Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.				
08 71 11 00-0416	EA 4 Wire Concealed Circuit Electric Hinge Option	323.81			
08 71 11 00-0417	EA 6 Wire Concealed Circuit Electric Hinge Option	382.31			
08 71 11 00-0418	EA 8 Wire Concealed Circuit Electric Hinge Option	440.81			
08 71 11 00-0419	Hinge Filler Plates For Door Frames (08 71 11 00-0001)				
08 71 11 00-0420	PR Hinge Filler Plates For Door Frames	22.11		5.76	



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 71 11 00-0421	Door Trim (08 71 11)				
08 71 11 00-0422	Floor Stops, Wall Stops And Bumpers (08 71 11 00-0421)				
08 71 11 00-0423	Floor Stops (08 71 11 00-0422)				
08 71 11 00-0424	Aluminum Floor Stops (08 71 11 00-0423)				
08 71 11 00-0425	EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	32.87		14.39	
08 71 11 00-0426	EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	36.95		14.39	
08 71 11 00-0427	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	38.51		14.39	
08 71 11 00-0428	EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	62.18		14.39	
08 71 11 00-0429	EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	65.01		14.39	
08 71 11 00-0430	Brass Floor Stops (08 71 11 00-0423)				
08 71 11 00-0431	EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	37.52		14.39	
08 71 11 00-0432	EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	39.08		14.39	
08 71 11 00-0433	EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	39.08		14.39	
08 71 11 00-0434	EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	39.68		14.39	
08 71 11 00-0435	EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	40.48		14.39	
08 71 11 00-0436	EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	40.48		14.39	
08 71 11 00-0437	EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	40.48		14.39	
08 71 11 00-0438	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	38.51		14.39	
08 71 11 00-0439	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	40.86		14.39	
08 71 11 00-0440	EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	40.86		14.39	
08 71 11 00-0441	EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	41.78		14.39	
08 71 11 00-0442	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	42.58		14.39	
08 71 11 00-0443	EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	42.58		14.39	
08 71 11 00-0444	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	46.30		14.39	
08 71 11 00-0445	EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	41.02		14.39	
08 71 11 00-0446	EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	41.02		14.39	
08 71 11 00-0447	EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	43.60		14.39	
08 71 11 00-0448	EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	43.60		14.39	
08 71 11 00-0449	EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	43.60		14.39	
08 71 11 00-0450	EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	43.60		14.39	
08 71 11 00-0451	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	42.80		14.39	
08 71 11 00-0452	EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	42.80		14.39	
08 71 11 00-0453	EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	45.32		14.39	
08 71 11 00-0454	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	45.32		14.39	
08 71 11 00-0455	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	45.32		14.39	
08 71 11 00-0456	EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	45.32		14.39	
08 71 11 00-0457	EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	64.47		14.39	
08 71 11 00-0458	EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	65.58		14.39	
08 71 11 00-0459	EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	68.29		14.39	
08 71 11 00-0460	EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	70.48		14.39	
08 71 11 00-0461	EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	70.48		14.39	
08 71 11 00-0462	EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	79.43		14.39	
08 71 11 00-0463	EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	79.43		14.39	
08 71 11 00-0464	EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	76.12		14.39	
08 71 11 00-0465	EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	77.71		14.39	
08 71 11 00-0466	EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	77.71		14.39	
08 71 11 00-0467	EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	77.71		14.39	
08 71 11 00-0468	EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	77.71		14.39	
08 71 11 00-0469	EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	89.96		14.39	
08 71 11 00-0470	EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	89.96		14.39	
08 71 11 00-0471	EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	51.14		14.39	
08 71 11 00-0472	EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	53.18		14.39	
08 71 11 00-0473	EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	57.79		14.39	
08 71 11 00-0474	EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	57.79		14.39	
08 71 11 00-0475	EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	57.79		14.39	
08 71 11 00-0476	EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	59.16		14.39	
08 71 11 00-0477	EA 2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H)	80.92		14.39	
08 71 11 00-0478	Steel Floor Stops (08 71 11 00-0423)				
08 71 11 00-0479	EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	43.18		14.39	
08 71 11 00-0480	EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	118.98		14.39	
	Note: Includes drilling. Excludes Grout.				
08 71 11 00-0481	EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	125.44		14.39	
	Note: Includes drilling. Excludes Grout.				
08 71 11 00-0482	Wall Stops (08 71 11 00-0422)				
08 71 11 00-0483	Aluminum Wall Stops (08 71 11 00-0482)				
08 71 11 00-0484	EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	17.14		5.76	
08 71 11 00-0485	EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	24.91		8.63	
08 71 11 00-0486	Brass Wall Stops (08 71 11 00-0482)				

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	31.01	5.76	
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	31.01	5.76	
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	31.01	5.76	
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	37.06	5.76	
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	37.63	5.76	
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	37.63	5.76	
08 71 11 00-0493	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	37.63	5.76	
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	89.37	8.63	
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	91.50	8.63	
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	91.50	8.63	
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	91.50	8.63	
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	91.50	8.63	
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	91.50	8.63	
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	74.35	8.63	
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.87	8.63	
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.87	8.63	
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.87	8.63	
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.87	8.63	
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	88.61	8.63	
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	88.61	8.63	
08 71 11 00-0507	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	145.50	8.63	
08 71 11 00-0508		Steel Wall Stops (08 71 11 00-0482)			
08 71 11 00-0509	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	12.69	5.76	
08 71 11 00-0510		Hinge Pin Door Stops (08 71 11 00-0422)			
08 71 11 00-0511		Aluminum Hinge Pin Door Stops (08 71 11 00-0510)			
08 71 11 00-0512	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	26.51	11.51	
08 71 11 00-0513		Brass Hinge Pin Door Stops (08 71 11 00-0510)			
08 71 11 00-0514	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	27.18	11.51	
08 71 11 00-0515	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	31.38	11.51	
08 71 11 00-0516	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	41.50	11.51	
08 71 11 00-0517	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	41.50	11.51	
08 71 11 00-0518	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	41.50	11.51	
08 71 11 00-0519	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	46.24	11.51	
08 71 11 00-0520	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	46.24	11.51	
08 71 11 00-0521	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	46.24	11.51	
08 71 11 00-0522	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	46.24	11.51	
08 71 11 00-0523		Wall Bumpers (08 71 11 00-0422)			
08 71 11 00-0524		Brass Wall Bumpers (08 71 11 00-0523)			
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.39	14.39	
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.39	14.39	
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.39	14.39	
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.96	14.39	
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.96	14.39	
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.96	14.39	
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	35.96	14.39	
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	55.43	14.39	
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.72	14.39	
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.72	14.39	
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.72	14.39	
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.72	14.39	
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	60.72	14.39	
08 71 11 00-0538	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	61.89	14.39	
08 71 11 00-0539		Rubber Wall Bumpers (08 71 11 00-0523)			
08 71 11 00-0540	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	33.29	14.39	



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0541			Cast Wall Bumpers (08 71 11 00-0523)		
08 71 11 00-0542	EA		2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV) <i>For Owner Furnished Material, Deduct</i>	58.76 -29.99	14.96
08 71 11 00-0543	EA		2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV) <i>For Owner Furnished Material, Deduct</i>	47.04 -18.27	14.96
08 71 11 00-0544	EA		2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX) <i>For Owner Furnished Material, Deduct</i>	51.52 -22.75	14.96
08 71 11 00-0545			Holders (08 71 11 00-0421)		
08 71 11 00-0546			Plunger Type Door Holders (08 71 11 00-0545)		
08 71 11 00-0547			Aluminum Plunger Type Door Holders (08 71 11 00-0546)		
08 71 11 00-0548	EA		Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	94.62	8.63
08 71 11 00-0549			Brass Plunger Type Door Holders (08 71 11 00-0546)		
08 71 11 00-0550	EA		Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0551	EA		Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0552	EA		Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0553	EA		Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0554	EA		Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0555	EA		Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0556	EA		Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	156.80	8.63
08 71 11 00-0557			Kick Down Door Holders (08 71 11 00-0545)		
08 71 11 00-0558			Aluminum Kick Down Door Holders (08 71 11 00-0557)		
08 71 11 00-0559	EA		Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	29.90	8.63
08 71 11 00-0560			Brass Kick Down Door Holders (08 71 11 00-0557)		
08 71 11 00-0561	EA		Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	68.56	8.63
08 71 11 00-0562	EA		Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	68.56	8.63
08 71 11 00-0563	EA		Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	68.56	8.63
08 71 11 00-0564	EA		Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.65	8.63
08 71 11 00-0565	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.65	8.63
08 71 11 00-0566	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	78.65	8.63
08 71 11 00-0567	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	81.19	8.63
08 71 11 00-0568			Steel Kick Down Door Holders (08 71 11 00-0557)		
08 71 11 00-0569	EA		Steel Kick Down Door Holder (Ives FS544)	37.70	8.63
08 71 11 00-0570			Floor Mounted Door Holders (08 71 11 00-0545)		
08 71 11 00-0571			Brass Floor Mounted Door Holders (08 71 11 00-0570)		
08 71 11 00-0572	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	134.09	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	
08 71 11 00-0573	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	134.09	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	
08 71 11 00-0574	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.60	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	
08 71 11 00-0575	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.60	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	
08 71 11 00-0576	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.60	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	
08 71 11 00-0577	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.60	17.27
			<i>For >1/2" To 1-1/16" Door To Floor Clearance, Add</i>	1.78	
			<i>For >1-1/16" To 1-9/16" Door To Floor Clearance, Add</i>	10.53	
			<i>For >1-9/16" To 2-11/16" Door To Floor Clearance, Add</i>	15.80	

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0578	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491)	128.43	17.27	
		Note: Includes FH MS / plastic anchors.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0579	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R)	133.30	17.27	
		Note: Includes FH MS / lead anchors.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0580	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S).....	141.38	17.27	
		Note: Includes FH MS / lead anchors and bolts.			
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0581		Wall Mounted Door Holders (08 71 11 00-0545)			
08 71 11 00-0582		Aluminum Wall Mounted Door Holders (08 71 11 00-0581)			
08 71 11 00-0583	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	120.88	10.07	
08 71 11 00-0584	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	176.41	17.27	
08 71 11 00-0585		Brass Wall Mounted Door Holders (08 71 11 00-0581)			
08 71 11 00-0586	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	110.73	10.07	
08 71 11 00-0587	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	128.90	10.07	
08 71 11 00-0588	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	128.90	10.07	
08 71 11 00-0589	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.90	10.07	
08 71 11 00-0590	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.90	10.07	
08 71 11 00-0591	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	128.90	10.07	
08 71 11 00-0592	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.16	10.07	
08 71 11 00-0593	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	125.94	10.07	
08 71 11 00-0594	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	150.73	10.07	
08 71 11 00-0595	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	150.73	10.07	
08 71 11 00-0596	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	150.73	10.07	
08 71 11 00-0597	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	150.73	10.07	
08 71 11 00-0598	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	150.73	10.07	
08 71 11 00-0599	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	201.13	17.27	
08 71 11 00-0600	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	212.27	17.27	
08 71 11 00-0601	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	212.27	17.27	
08 71 11 00-0602	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	212.27	17.27	
08 71 11 00-0603	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	212.27	17.27	
08 71 11 00-0604	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	212.27	17.27	
08 71 11 00-0605	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	119.61	10.07	
08 71 11 00-0606	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	124.47	10.07	
		Note: Includes FH MS / lead anchors.			
08 71 11 00-0607	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	132.56	10.07	
		Note: Includes FH MS / lead anchors and bolts.			
08 71 11 00-0608		Overhead Door Holders (08 71 11 00-0545)			
08 71 11 00-0609		Surface Mounted, Overhead Door Holders (08 71 11 00-0608)			
08 71 11 00-0610	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	622.92	28.77	
		For Hold Open, Add	73.28		
08 71 11 00-0611	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	716.47	28.77	
		For Hold Open, Add	86.78		
08 71 11 00-0612	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	716.47	28.77	
		For Hold Open, Add	86.78		
08 71 11 00-0613	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	716.47	28.77	
		For Hold Open, Add	86.78		
08 71 11 00-0614	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	713.29	28.77	
		For Hold Open, Add	86.32		
08 71 11 00-0615		Heavy-Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0608)			
		Note: With or without hold open feature.			
08 71 11 00-0616	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	481.64	28.77	
08 71 11 00-0617	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	705.01	28.77	
08 71 11 00-0618	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	802.38	28.77	
08 71 11 00-0619	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	802.38	28.77	
08 71 11 00-0620	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	802.38	28.77	



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0621 Concealed Mounted, Overhead Door Holders (08 71 11 00-0608)				
Note: With or without hold open feature.				
08 71 11 00-0622	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	681.47	28.77
08 71 11 00-0623	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	681.47	28.77
08 71 11 00-0624	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	719.65	28.77
08 71 11 00-0625	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	752.11	28.77
08 71 11 00-0626	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	752.11	28.77
08 71 11 00-0627 Silencers (08 71 11 00-0421)				
08 71 11 00-0628	EA	Replacement Of Rubber Door Silencers.....	1.77	
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.				
08 71 11 00-0629	EA	Replacement Of Door Silencers for Metal Frames (Trimco 1229A).....	1.77	
For Owner Furnished Material, Deduct			-0.33	
08 71 11 00-0630	EA	Replacement Of Door Silencers for Wood Frames (Trimco 1229B).....	1.77	
For Owner Furnished Material, Deduct			-0.33	
08 71 11 00-0631 Bolts (08 71 11 00-0421)				
08 71 11 00-0632 Brass Surface Bolts (08 71 11 00-0631)				
08 71 11 00-0633	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	205.17	14.39
08 71 11 00-0634	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	219.87	14.39
08 71 11 00-0635	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	219.87	14.39
08 71 11 00-0636 Steel Surface Bolts (08 71 11 00-0631)				
08 71 11 00-0637	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.26	14.39
08 71 11 00-0638	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.26	14.39
08 71 11 00-0639	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.26	14.39
08 71 11 00-0640	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	104.12	14.39
08 71 11 00-0641	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	105.96	14.39
08 71 11 00-0642	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	109.62	14.39
08 71 11 00-0643	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	107.78	14.39
08 71 11 00-0644	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	113.31	14.39
08 71 11 00-0645	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	120.66	14.39
08 71 11 00-0646	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	126.17	14.39
08 71 11 00-0647	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	199.67	14.39
08 71 11 00-0648 Door Viewer (08 71 11 00-0421)				
08 71 11 00-0649 Brass Door Viewer (08 71 11 00-0648)				
08 71 11 00-0650	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	46.30	14.39
08 71 11 00-0651	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	46.30	14.39
08 71 11 00-0652	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	46.30	14.39
08 71 11 00-0653	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	54.51	14.39
08 71 11 00-0654	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	54.51	14.39
08 71 11 00-0655	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	54.51	14.39
08 71 11 00-0656	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	64.63	14.39
08 71 11 00-0657	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	64.63	14.39
08 71 11 00-0658 Door Knockers (08 71 11 00-0421)				
08 71 11 00-0659 Brass Door Knockers (08 71 11 00-0658)				
08 71 11 00-0660	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	71.63	14.39
08 71 11 00-0661	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	79.43	14.39
08 71 11 00-0662	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	79.43	14.39
08 71 11 00-0663	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	79.43	14.39
08 71 11 00-0664	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	109.02	14.39
08 71 11 00-0665	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	127.82	14.39
08 71 11 00-0666 Hasps (08 71 11 00-0421)				
08 71 11 00-0667	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	32.35	10.86
08 71 11 00-0668	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	34.50	11.51
08 71 11 00-0669	EA	6", Zinc Plated Finish, Steel Hasp Assembly.....	44.54	12.95
08 71 11 00-0670	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	192.72	15.53
08 71 11 00-0671 Flush Bolts (08 71 11 00-0421)				
08 71 11 00-0672 Flush Bolts For Metal Doors (08 71 11 00-0671)				
08 71 11 00-0673 Brass Flush Bolts For Metal Doors (08 71 11 00-0672)				
08 71 11 00-0674 Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0673)				
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.				
08 71 11 00-0675	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	69.21	14.39

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0676		Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0673) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0677	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	146.07	14.39
08 71 11 00-0678	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	146.07	14.39
08 71 11 00-0679	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	254.42	23.01
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	262.55	20.14
08 71 11 00-0681	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	272.79	21.58
08 71 11 00-0682		Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0673) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0683	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	173.77	14.39
08 71 11 00-0684	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	323.88	23.01
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	318.12	20.14
08 71 11 00-0686	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	330.20	21.58
08 71 11 00-0687		Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0672)		
08 71 11 00-0688		Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0687) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0689	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	146.07	14.39
08 71 11 00-0690	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	146.07	14.39
08 71 11 00-0691	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	254.42	23.01
08 71 11 00-0692	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	262.55	20.14
08 71 11 00-0693	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	272.79	21.58
08 71 11 00-0694		Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0687) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0695	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	173.77	14.39
08 71 11 00-0696	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	323.88	23.01
08 71 11 00-0697	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	318.12	20.14
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	330.20	21.58
08 71 11 00-0699		Flush Bolts For Wood Doors (08 71 11 00-0671)		
08 71 11 00-0700		Brass Flush Bolts For Wood Doors (08 71 11 00-0699)		
08 71 11 00-0701		Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0700) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0702	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	82.96	14.39
08 71 11 00-0703		Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0700) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0704	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	182.55	14.39
08 71 11 00-0705	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	182.55	14.39
08 71 11 00-0706	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	339.32	23.01
08 71 11 00-0707	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	333.56	20.14
08 71 11 00-0708		Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0700) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0709	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	181.12	14.39
08 71 11 00-0710	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	339.32	23.01
08 71 11 00-0711	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	333.56	20.14
08 71 11 00-0712		Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)		
08 71 11 00-0713		Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0712) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0714	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	182.55	14.39
08 71 11 00-0715	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	182.55	14.39
08 71 11 00-0716	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	339.32	23.01
08 71 11 00-0717	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	333.56	20.14
08 71 11 00-0718		Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0712) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0719	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	181.12	14.39
08 71 11 00-0720	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	339.32	23.01
08 71 11 00-0721	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	333.56	20.14



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0722 Dust Proof Strikes (08 71 11 00-0671)				
08 71 11 00-0723	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	62.34	11.51
08 71 11 00-0724	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	62.34	11.51
08 71 11 00-0725	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	62.34	11.51
08 71 11 00-0726	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	62.34	11.51
08 71 11 00-0727	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	62.34	11.51
08 71 11 00-0728	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	72.62	11.51
08 71 11 00-0729	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	72.62	11.51
08 71 11 00-0730	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	72.62	11.51
08 71 11 00-0731	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	72.62	11.51
08 71 11 00-0732	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	72.62	11.51
08 71 11 00-0733 Roller Bumpers (08 71 11 00-0421)				
08 71 11 00-0734 Brass Roller Bumpers (08 71 11 00-0733)				
08 71 11 00-0735	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	66.59	8.63
08 71 11 00-0736	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	78.87	8.63
08 71 11 00-0737	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	78.87	8.63
08 71 11 00-0738	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	63.82	8.63
08 71 11 00-0739	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.18	8.63
08 71 11 00-0740	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.18	8.63
08 71 11 00-0741	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	73.18	8.63
08 71 11 00-0742	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	66.78	8.63
08 71 11 00-0743	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	73.40	8.63
08 71 11 00-0744	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.52	8.63
08 71 11 00-0745	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.52	8.63
08 71 11 00-0746	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.52	8.63
08 71 11 00-0747	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.52	8.63
08 71 11 00-0748	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.52	8.63
08 71 11 00-0749 Other Door Trim (08 71 11 00-0421)				
08 71 11 00-0750 Coat And Hat Hooks (08 71 11 00-0749)				
08 71 11 00-0751 Aluminum Coat And Hat Hooks (08 71 11 00-0750)				
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	20.50	8.63
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	20.50	8.63
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	20.73	8.63
08 71 11 00-0755	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.34	8.63
08 71 11 00-0756	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.34	8.63
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	20.34	8.63
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	20.73	8.63
08 71 11 00-0759	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.87	8.63
08 71 11 00-0760	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.87	8.63
08 71 11 00-0761	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.87	8.63
08 71 11 00-0762	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.87	8.63
08 71 11 00-0763	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	21.87	8.63
08 71 11 00-0764 Brass Coat And Hat Hooks (08 71 11 00-0750)				
08 71 11 00-0765	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	26.74	8.63
08 71 11 00-0766	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	27.34	8.63
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	28.30	8.63
08 71 11 00-0768	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	28.30	8.63
08 71 11 00-0769	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	28.90	8.63
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	30.84	8.63
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	33.58	8.63
08 71 11 00-0772	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	33.58	8.63
08 71 11 00-0773	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	33.58	8.63
08 71 11 00-0774	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	34.19	8.63
08 71 11 00-0775 Cane Bolt (08 71 11 00-0749)				
08 71 11 00-0776	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	36.09	11.51
08 71 11 00-0777 Door Plates And Pulls (08 71 11)				
08 71 11 00-0778 Kick Plate (08 71 11 00-0777)				
Note: Ives 8400.				
08 71 11 00-0779 Aluminum Base Material Kick Plate (08 71 11 00-0778)				
08 71 11 00-0780 Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0779)				
Note: US28				
08 71 11 00-0781	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.93	8.63
For Four Beveled Edges, Add			1.76	
For UL Label (Fire Rated), Add			11.40	

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0782	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	67.73	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0783	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	70.46	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0784	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	73.23	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0785	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	78.33	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0786	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	81.04	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0787	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	83.83	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0788	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	86.58	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0789	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	91.65	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0790	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	94.42	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0791	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	97.15	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0792	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	102.27	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0793	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	105.03	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0794	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	107.77	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0795	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	72.57	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0796	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	76.03	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0797	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	79.44	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0798	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	82.91	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0799	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	88.68	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0800	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	92.12	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0801	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	95.59	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0802	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	99.02	9.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0803	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	104.79	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0804	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	108.23	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0805	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	111.70	9.79
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0806	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	117.48	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0807	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	120.89	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0808	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	124.35	10.36
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-0809	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	80.17	8.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-0810	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	84.28	8.63
08 71 11 00-0811	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	88.48	8.63
08 71 11 00-0812	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	92.55	8.63
08 71 11 00-0813	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	99.02	9.21
08 71 11 00-0814	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	103.16	9.21
08 71 11 00-0815	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	107.30	9.21
08 71 11 00-0816	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	111.47	9.21
08 71 11 00-0817	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	117.91	9.79
08 71 11 00-0818	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	122.04	9.79
08 71 11 00-0819	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	126.21	9.79
08 71 11 00-0820	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	132.66	10.36
08 71 11 00-0821	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	136.80	10.36
08 71 11 00-0822	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	140.97	10.36
08 71 11 00-0823	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	90.02	9.21
08 71 11 00-0824	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	94.85	9.21
08 71 11 00-0825	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	99.76	9.21
08 71 11 00-0826	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	104.59	9.21
08 71 11 00-0827	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	111.70	9.79
08 71 11 00-0828	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	116.54	9.79
08 71 11 00-0829	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	121.38	9.79
08 71 11 00-0830	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	126.21	9.79
08 71 11 00-0831	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	133.36	10.36
08 71 11 00-0832	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	138.17	10.36
08 71 11 00-0833	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	143.01	10.36
08 71 11 00-0834	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	150.13	10.93
08 71 11 00-0835	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	155.00	10.93
08 71 11 00-0836	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	159.84	10.93
08 71 11 00-0837	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add 1.76 11.40	97.66	9.21

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0838	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.16 1.76 11.40	9.21
08 71 11 00-0839	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.73 1.76 11.40	9.21
08 71 11 00-0840	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	114.24 1.76 11.40	9.21
08 71 11 00-0841	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.54 1.76 11.40	9.79
08 71 11 00-0842	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	127.61 1.76 11.40	9.79
08 71 11 00-0843	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.15 1.76 11.40	9.79
08 71 11 00-0844	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.66 1.76 11.40	9.79
08 71 11 00-0845	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.48 1.76 11.40	10.36
08 71 11 00-0846	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.05 1.76 11.40	10.36
08 71 11 00-0847	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.55 1.76 11.40	10.36
08 71 11 00-0848	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.35 1.76 11.40	10.93
08 71 11 00-0849	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	170.89 1.76 11.40	10.93
08 71 11 00-0850	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.46 1.76 11.40	10.93
08 71 11 00-0851	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.62 6.30 11.40	9.21
08 71 11 00-0852	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.24 6.30 11.40	9.21
08 71 11 00-0853	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.86 6.30 11.40	9.21
08 71 11 00-0854	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.48 6.30 11.40	9.21
08 71 11 00-0855	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.37 6.30 11.40	9.79
08 71 11 00-0856	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.99 6.30 11.40	9.79
08 71 11 00-0857	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	151.61 6.30 11.40	9.79
08 71 11 00-0858	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.23 6.30 11.40	9.79
08 71 11 00-0859	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.16 6.30 11.40	10.36
08 71 11 00-0860	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.78 6.30 11.40	10.36
08 71 11 00-0861	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	180.41 6.30 11.40	10.36
08 71 11 00-0862	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	189.32 6.30 11.40	10.93
08 71 11 00-0863	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	195.94 6.30 11.40	10.93
08 71 11 00-0864	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	202.56 6.30 11.40	10.93
08 71 11 00-0865	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.01 6.30 11.40	9.79



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0866	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.36	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0867	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.71	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0868	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.07	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0869	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.73	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0870	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.08	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0871	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	166.43	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0872	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	173.78	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0873	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.43	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0874	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.78	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0875	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.13	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0876	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.80	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0877	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	215.15	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0878	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.50	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0879	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.09	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0880	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.18	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0881	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.26	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0882	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.35	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0883	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	162.77	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0884	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	170.86	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0885	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	178.94	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0886	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.03	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0887	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.40	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0888	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	205.49	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0889	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.57	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0890	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	223.96	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0891	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	232.05	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0892	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	240.13	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0893	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.18	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0894	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.99 6.30 11.40	9.79
08 71 11 00-0895	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	153.84 6.30 11.40	9.79
08 71 11 00-0896	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	162.66 6.30 11.40	9.79
08 71 11 00-0897	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.78 6.30 11.40	10.36
08 71 11 00-0898	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.60 6.30 11.40	10.36
08 71 11 00-0899	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.42 6.30 11.40	10.36
08 71 11 00-0900	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	200.27 6.30 11.40	10.36
08 71 11 00-0901	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	211.37 6.30 11.40	10.93
08 71 11 00-0902	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	220.19 6.30 11.40	10.93
08 71 11 00-0903	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	229.01 6.30 11.40	10.93
08 71 11 00-0904	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	240.13 6.30 11.40	11.51
08 71 11 00-0905	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	248.98 6.30 11.40	11.51
08 71 11 00-0906	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	257.80 6.30 11.40	11.51
08 71 11 00-0907		Brass Base Material Kick Plate (08 71 11 00-0778)		
08 71 11 00-0908		Bright/Satin Brass Finish, Brass Kick Plate (08 71 11 00-0907) Note: US3/US4		
08 71 11 00-0909	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.51 1.76 11.40	8.63
08 71 11 00-0910	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.67 1.76 11.40	8.63
08 71 11 00-0911	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	153.87 1.76 11.40	8.63
08 71 11 00-0912	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	163.04 1.76 11.40	8.63
08 71 11 00-0913	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	174.51 1.76 11.40	9.21
08 71 11 00-0914	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.74 1.76 11.40	9.21
08 71 11 00-0915	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	192.91 1.76 11.40	9.21
08 71 11 00-0916	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	202.08 1.76 11.40	9.21
08 71 11 00-0917	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.54 1.76 11.40	9.79
08 71 11 00-0918	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	222.71 1.76 11.40	9.79
08 71 11 00-0919	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.88 1.76 11.40	9.79
08 71 11 00-0920	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	243.36 1.76 11.40	10.36
08 71 11 00-0921	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	252.59 1.76 11.40	10.36



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-0922	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	261.76 1.76 11.40	10.36
08 71 11 00-0923	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.77 1.76 11.40	8.63
08 71 11 00-0924	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.21 1.76 11.40	8.63
08 71 11 00-0925	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.71 1.76 11.40	8.63
08 71 11 00-0926	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	195.18 1.76 11.40	8.63
08 71 11 00-0927	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	208.91 1.76 11.40	9.21
08 71 11 00-0928	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	220.41 1.76 11.40	9.21
08 71 11 00-0929	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.91 1.76 11.40	9.21
08 71 11 00-0930	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	243.38 1.76 11.40	9.21
08 71 11 00-0931	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	257.12 1.76 11.40	9.79
08 71 11 00-0932	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	268.62 1.76 11.40	9.79
08 71 11 00-0933	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	280.12 1.76 11.40	9.79
08 71 11 00-0934	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	293.86 1.76 11.40	10.36
08 71 11 00-0935	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	305.36 1.76 11.40	10.36
08 71 11 00-0936	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	316.83 1.76 11.40	10.36
08 71 11 00-0937	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	185.94 1.76 11.40	8.63
08 71 11 00-0938	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.78 1.76 11.40	8.63
08 71 11 00-0939	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.51 1.76 11.40	8.63
08 71 11 00-0940	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	227.28 1.76 11.40	8.63
08 71 11 00-0941	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	243.38 1.76 11.40	9.21
08 71 11 00-0942	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	257.15 1.76 11.40	9.21
08 71 11 00-0943	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	270.92 1.76 11.40	9.21
08 71 11 00-0944	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	284.65 1.76 11.40	9.21
08 71 11 00-0945	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	300.78 1.76 11.40	9.79
08 71 11 00-0946	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	314.52 1.76 11.40	9.79
08 71 11 00-0947	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	328.29 1.76 11.40	9.79
08 71 11 00-0948	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	344.36 1.76 11.40	10.36
08 71 11 00-0949	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	358.10 1.76 11.40	10.36

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0950	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.93 1.76 11.40	10.36
08 71 11 00-0951	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.54 1.76 11.40	9.21
08 71 11 00-0952	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.58 1.76 11.40	9.21
08 71 11 00-0953	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.65 1.76 11.40	9.21
08 71 11 00-0954	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.75 1.76 11.40	9.21
08 71 11 00-0955	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.12 1.76 11.40	9.79
08 71 11 00-0956	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.18 1.76 11.40	9.79
08 71 11 00-0957	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.22 1.76 11.40	9.79
08 71 11 00-0958	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.29 1.76 11.40	9.79
08 71 11 00-0959	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.66 1.76 11.40	10.36
08 71 11 00-0960	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.73 1.76 11.40	10.36
08 71 11 00-0961	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	378.77 1.76 11.40	10.36
08 71 11 00-0962	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.13 1.76 11.40	10.93
08 71 11 00-0963	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.23 1.76 11.40	10.93
08 71 11 00-0964	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.29 1.76 11.40	10.93
08 71 11 00-0965	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.89 1.76 11.40	9.21
08 71 11 00-0966	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.14 1.76 11.40	9.21
08 71 11 00-0967	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.32 1.76 11.40	9.21
08 71 11 00-0968	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	375.47 1.76 11.40	9.21
08 71 11 00-0969	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	401.95 1.76 11.40	9.79
08 71 11 00-0970	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	426.16 1.76 11.40	9.79
08 71 11 00-0971	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.38 1.76 11.40	9.79
08 71 11 00-0972	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.49 1.76 11.40	9.79
08 71 11 00-0973	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	501.05 1.76 11.40	10.36
08 71 11 00-0974	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	525.26 1.76 11.40	10.36
08 71 11 00-0975	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	549.45 1.76 11.40	10.36
08 71 11 00-0976	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	575.89 1.76 11.40	10.93
08 71 11 00-0977	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	600.07 1.76 11.40	10.93



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-0978	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	624.28 1.76 11.40	10.93
08 71 11 00-0979	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	335.63 6.30 11.40	9.21
08 71 11 00-0980	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	362.79 6.30 11.40	9.21
08 71 11 00-0981	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	389.91 6.30 11.40	9.21
08 71 11 00-0982	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	417.12 6.30 11.40	9.21
08 71 11 00-0983	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	446.58 6.30 11.40	9.79
08 71 11 00-0984	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	473.70 6.30 11.40	9.79
08 71 11 00-0985	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	500.91 6.30 11.40	9.79
08 71 11 00-0986	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	528.03 6.30 11.40	9.79
08 71 11 00-0987	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	557.56 6.30 11.40	10.36
08 71 11 00-0988	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	584.71 6.30 11.40	10.36
08 71 11 00-0989	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	611.83 6.30 11.40	10.36
08 71 11 00-0990	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	641.34 6.30 11.40	10.93
08 71 11 00-0991	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	668.46 6.30 11.40	10.93
08 71 11 00-0992	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	695.61 6.30 11.40	10.93
08 71 11 00-0993	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	371.12 6.30 11.40	9.79
08 71 11 00-0994	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	401.28 6.30 11.40	9.79
08 71 11 00-0995	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	431.50 6.30 11.40	9.79
08 71 11 00-0996	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	461.62 6.30 11.40	9.79
08 71 11 00-0997	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	494.15 6.30 11.40	10.36
08 71 11 00-0998	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	524.34 6.30 11.40	10.36
08 71 11 00-0999	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	554.49 6.30 11.40	10.36
08 71 11 00-1000	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	584.71 6.30 11.40	10.36
08 71 11 00-1001	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	617.12 6.30 11.40	10.93
08 71 11 00-1002	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	647.34 6.30 11.40	10.93
08 71 11 00-1003	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	677.53 6.30 11.40	10.93
08 71 11 00-1004	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	710.00 6.30 11.40	11.51
08 71 11 00-1005	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	740.22 6.30 11.40	11.51

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR			DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM			UNIT COST	UNIT COST	
08 71 11 00-1006	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	770.34	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1007	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	404.35	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1008	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	437.50	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1009	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	470.69	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1010	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	503.92	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1011	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	539.42	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1012	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	572.64	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1013	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	605.83	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1014	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	639.05	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1015	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	674.50	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1016	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	707.69	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1017	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	740.91	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1018	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	776.41	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1019	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	809.63	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1020	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	842.76	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1021	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	437.50	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1022	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	473.70	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1023	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	509.95	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1024	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	546.18	9.79		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1025	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	584.71	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1026	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	620.90	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1027	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	657.13	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1028	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	695.33	10.36		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1029	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	731.84	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1030	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	768.03	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1031	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	804.25	10.93		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1032	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	842.76	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-1033	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	879.04	11.51		
		For Four Beveled Edges, Add	6.30			
		For UL Label (Fire Rated), Add	11.40			



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-1034	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	915.24 6.30 11.40	11.51
08 71 11 00-1035 Satin/Dark Bronze Finish, Brass Kick Plate (08 71 11 00-0907)				
Note: US10/US10B				
08 71 11 00-1036	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.85 1.76 11.40	8.63
08 71 11 00-1037	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.11 1.76 11.40	8.63
08 71 11 00-1038	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	168.45 1.76 11.40	8.63
08 71 11 00-1039	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	178.71 1.76 11.40	8.63
08 71 11 00-1040	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.36 1.76 11.40	9.21
08 71 11 00-1041	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	201.64 1.76 11.40	9.21
08 71 11 00-1042	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	211.96 1.76 11.40	9.21
08 71 11 00-1043	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	222.24 1.76 11.40	9.21
08 71 11 00-1044	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	234.79 1.76 11.40	9.79
08 71 11 00-1045	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	245.14 1.76 11.40	9.79
08 71 11 00-1046	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	255.43 1.76 11.40	9.79
08 71 11 00-1047	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	268.05 1.76 11.40	10.36
08 71 11 00-1048	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	278.34 1.76 11.40	10.36
08 71 11 00-1049	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	288.66 1.76 11.40	10.36
08 71 11 00-1050	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.15 1.76 11.40	8.63
08 71 11 00-1051	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	189.06 1.76 11.40	8.63
08 71 11 00-1052	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	201.90 1.76 11.40	8.63
08 71 11 00-1053	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	214.77 1.76 11.40	8.63
08 71 11 00-1054	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	229.94 1.76 11.40	9.21
08 71 11 00-1055	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	242.84 1.76 11.40	9.21
08 71 11 00-1056	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	255.68 1.76 11.40	9.21
08 71 11 00-1057	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	268.55 1.76 11.40	9.21
08 71 11 00-1058	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	283.76 1.76 11.40	9.79
08 71 11 00-1059	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	296.63 1.76 11.40	9.79
08 71 11 00-1060	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	309.47 1.76 11.40	9.79
08 71 11 00-1061	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	324.72 1.76 11.40	10.36

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1062	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	337.56 1.76 11.40	10.36
08 71 11 00-1063	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	350.43 1.76 11.40	10.36
08 71 11 00-1064	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.48 1.76 11.40	8.63
08 71 11 00-1065	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	219.94 1.76 11.40	8.63
08 71 11 00-1066	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	235.37 1.76 11.40	8.63
08 71 11 00-1067	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	250.83 1.76 11.40	8.63
08 71 11 00-1068	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	268.55 1.76 11.40	9.21
08 71 11 00-1069	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	284.05 1.76 11.40	9.21
08 71 11 00-1070	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	299.50 1.76 11.40	9.21
08 71 11 00-1071	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	314.93 1.76 11.40	9.21
08 71 11 00-1072	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	332.69 1.76 11.40	9.79
08 71 11 00-1073	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	348.12 1.76 11.40	9.79
08 71 11 00-1074	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	363.54 1.76 11.40	9.79
08 71 11 00-1075	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	381.31 1.76 11.40	10.36
08 71 11 00-1076	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	396.80 1.76 11.40	10.36
08 71 11 00-1077	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	412.23 1.76 11.40	10.36
08 71 11 00-1078	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	235.08 1.76 11.40	9.21
08 71 11 00-1079	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	253.13 1.76 11.40	9.21
08 71 11 00-1080	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	271.14 1.76 11.40	9.21
08 71 11 00-1081	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	289.16 1.76 11.40	9.21
08 71 11 00-1082	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	309.47 1.76 11.40	9.79
08 71 11 00-1083	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	327.52 1.76 11.40	9.79
08 71 11 00-1084	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	345.53 1.76 11.40	9.79
08 71 11 00-1085	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	363.54 1.76 11.40	9.79
08 71 11 00-1086	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	383.90 1.76 11.40	10.36
08 71 11 00-1087	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	401.91 1.76 11.40	10.36
08 71 11 00-1088	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	419.93 1.76 11.40	10.36
08 71 11 00-1089	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	440.27 1.76 11.40	10.93



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1090	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	458.34	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1091	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	476.36	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1092	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	333.74	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1093	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.77	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1094	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.75	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1095	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	414.74	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1096	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	444.03	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1097	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	471.02	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1098	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	498.04	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1099	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	525.03	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1100	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	554.33	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1101	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	581.32	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1102	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	608.31	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1103	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	637.59	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1104	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	664.58	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1105	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	691.57	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1106	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	369.90	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1107	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	400.21	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1108	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.46	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1109	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	460.77	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1110	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	493.32	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1111	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	523.60	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1112	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	553.87	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1113	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	584.15	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1114	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	616.71	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1115	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	647.02	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1116	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	677.33	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1117	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	709.87	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1118	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	740.18 6.30 11.40	10.93
08 71 11 00-1119	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	770.43 6.30 11.40	10.93
08 71 11 00-1120	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	409.19 6.30 11.40	9.79
08 71 11 00-1121	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	442.88 6.30 11.40	9.79
08 71 11 00-1122	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	476.48 6.30 11.40	9.79
08 71 11 00-1123	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	510.18 6.30 11.40	9.79
08 71 11 00-1124	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	546.09 6.30 11.40	10.36
08 71 11 00-1125	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	579.72 6.30 11.40	10.36
08 71 11 00-1126	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	613.39 6.30 11.40	10.36
08 71 11 00-1127	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	647.02 6.30 11.40	10.36
08 71 11 00-1128	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	683.01 6.30 11.40	10.93
08 71 11 00-1129	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	716.61 6.30 11.40	10.93
08 71 11 00-1130	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	750.24 6.30 11.40	10.93
08 71 11 00-1131	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	786.22 6.30 11.40	11.51
08 71 11 00-1132	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	819.85 6.30 11.40	11.51
08 71 11 00-1133	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	853.52 6.30 11.40	11.51
08 71 11 00-1134	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	446.21 6.30 11.40	9.79
08 71 11 00-1135	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	483.26 6.30 11.40	9.79
08 71 11 00-1136	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	520.24 6.30 11.40	9.79
08 71 11 00-1137	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	557.23 6.30 11.40	9.79
08 71 11 00-1138	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	596.59 6.30 11.40	10.36
08 71 11 00-1139	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	633.58 6.30 11.40	10.36
08 71 11 00-1140	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	670.59 6.30 11.40	10.36
08 71 11 00-1141	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	707.58 6.30 11.40	10.36
08 71 11 00-1142	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	746.92 6.30 11.40	10.93
08 71 11 00-1143	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	783.91 6.30 11.40	10.93
08 71 11 00-1144	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	820.93 6.30 11.40	10.93
08 71 11 00-1145	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	860.22 6.30 11.40	11.51



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-1146	EA 22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	897.21 6.30 11.40		11.51
08 71 11 00-1147	EA 22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	934.26 6.30 11.40		11.51
08 71 11 00-1148	EA 24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	483.26 6.30 11.40		9.79
08 71 11 00-1149	EA 24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	523.60 6.30 11.40		9.79
08 71 11 00-1150	EA 24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	563.97 6.30 11.40		9.79
08 71 11 00-1151	EA 24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	604.34 6.30 11.40		9.79
08 71 11 00-1152	EA 24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	647.02 6.30 11.40		10.36
08 71 11 00-1153	EA 24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	687.39 6.30 11.40		10.36
08 71 11 00-1154	EA 24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	727.83 6.30 11.40		10.36
08 71 11 00-1155	EA 24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	768.14 6.30 11.40		10.36
08 71 11 00-1156	EA 24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	810.80 6.30 11.40		10.93
08 71 11 00-1157	EA 24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	851.21 6.30 11.40		10.93
08 71 11 00-1158	EA 24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	891.58 6.30 11.40		10.93
08 71 11 00-1159	EA 24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	934.26 6.30 11.40		11.51
08 71 11 00-1160	EA 24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	974.63 6.30 11.40		11.51
08 71 11 00-1161	EA 24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	1,015.00 6.30 11.40		11.51
08 71 11 00-1162	Stainless Base Material Kick Plate (08 71 11 00-0778)			
08 71 11 00-1163	Bright/Satin Chrome Finish, Stainless Kick Plate (08 71 11 00-1162) Note: US26/US26D			
08 71 11 00-1164	EA 8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.13 1.76 11.40		8.63
08 71 11 00-1165	EA 8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	156.28 1.76 11.40		8.63
08 71 11 00-1166	EA 8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	166.43 1.76 11.40		8.63
08 71 11 00-1167	EA 8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.58 1.76 11.40		8.63
08 71 11 00-1168	EA 8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	189.02 1.76 11.40		9.21
08 71 11 00-1169	EA 8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.14 1.76 11.40		9.21
08 71 11 00-1170	EA 8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.29 1.76 11.40		9.21
08 71 11 00-1171	EA 8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	219.44 1.76 11.40		9.21
08 71 11 00-1172	EA 8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.89 1.76 11.40		9.79
08 71 11 00-1173	EA 8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	242.07 1.76 11.40		9.79

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1174	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	252.22	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1175	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	264.67	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1176	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.82	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1177	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	284.97	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1178	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	174.05	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1179	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	186.72	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1180	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	199.40	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1181	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	212.08	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1182	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	227.09	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1183	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	239.77	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1184	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	252.44	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1185	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	265.12	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1186	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.10	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1187	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	292.78	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1188	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	305.45	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1189	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	320.44	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1190	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	333.12	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1191	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	345.80	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1192	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	201.93	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1193	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	217.14	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1194	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	232.41	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1195	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	247.62	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1196	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	265.12	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1197	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.36	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1198	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	295.57	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1199	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	310.77	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1200	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	328.28	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1201	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	343.49	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1202 EA 12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	358.73 1.76 11.40	9.79
08 71 11 00-1203 EA 12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	376.24 1.76 11.40	10.36
08 71 11 00-1204 EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	391.51 1.76 11.40	10.36
08 71 11 00-1205 EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	406.72 1.76 11.40	10.36
08 71 11 00-1206 EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	232.12 1.76 11.40	9.21
08 71 11 00-1207 EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	249.92 1.76 11.40	9.21
08 71 11 00-1208 EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	267.68 1.76 11.40	9.21
08 71 11 00-1209 EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	285.42 1.76 11.40	9.21
08 71 11 00-1210 EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	305.45 1.76 11.40	9.79
08 71 11 00-1211 EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.22 1.76 11.40	9.79
08 71 11 00-1212 EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	340.96 1.76 11.40	9.79
08 71 11 00-1213 EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	358.73 1.76 11.40	9.79
08 71 11 00-1214 EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	378.84 1.76 11.40	10.36
08 71 11 00-1215 EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	396.57 1.76 11.40	10.36
08 71 11 00-1216 EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	414.31 1.76 11.40	10.36
08 71 11 00-1217 EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	402.35 1.76 11.40	10.93
08 71 11 00-1218 EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	452.10 1.76 11.40	10.93
08 71 11 00-1219 EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	469.87 1.76 11.40	10.93
08 71 11 00-1220 EA 16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	334.43 1.76 11.40	9.21
08 71 11 00-1221 EA 16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	361.52 1.76 11.40	9.21
08 71 11 00-1222 EA 16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	388.57 1.76 11.40	9.21
08 71 11 00-1223 EA 16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	415.62 1.76 11.40	9.21
08 71 11 00-1224 EA 16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	444.97 1.76 11.40	9.79
08 71 11 00-1225 EA 16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	472.02 1.76 11.40	9.79
08 71 11 00-1226 EA 16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	499.11 1.76 11.40	9.79
08 71 11 00-1227 EA 16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	526.16 1.76 11.40	9.79
08 71 11 00-1228 EA 16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	555.52 1.76 11.40	10.36
08 71 11 00-1229 EA 16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	582.57 1.76 11.40	10.36

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1230	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	609.62	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1231	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	638.97	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1232	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	666.02	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1233	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	693.07	10.93	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1234	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	370.67	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1235	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	401.05	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1236	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	431.37	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1237	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	461.75	9.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1238	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	494.37	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1239	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	524.72	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1240	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	555.07	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1241	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	585.42	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1242	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	618.04	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1243	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	648.43	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1244	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	678.81	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1245	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	711.41	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1246	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	741.80	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1247	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	772.11	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1248	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	410.04	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1249	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	443.82	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1250	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	477.50	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1251	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	511.27	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1252	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	547.26	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1253	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	580.97	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1254	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	614.71	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1255	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	648.43	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1256	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	684.49	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1257	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	718.17	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
08 71 11 00-1258	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	751.88 6.30 11.40	10.93
08 71 11 00-1259	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	787.93 6.30 11.40	11.51
08 71 11 00-1260	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	821.64 6.30 11.40	11.51
08 71 11 00-1261	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	855.39 6.30 11.40	11.51
08 71 11 00-1262	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	447.15 6.30 11.40	9.79
08 71 11 00-1263	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	484.28 6.30 11.40	9.79
08 71 11 00-1264	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	521.36 6.30 11.40	9.79
08 71 11 00-1265	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	558.43 6.30 11.40	9.79
08 71 11 00-1266	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	597.88 6.30 11.40	10.36
08 71 11 00-1267	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	634.95 6.30 11.40	10.36
08 71 11 00-1268	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	672.05 6.30 11.40	10.36
08 71 11 00-1269	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	709.12 6.30 11.40	10.36
08 71 11 00-1270	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	748.55 6.30 11.40	10.93
08 71 11 00-1271	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	785.62 6.30 11.40	10.93
08 71 11 00-1272	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	822.73 6.30 11.40	10.93
08 71 11 00-1273	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	862.11 6.30 11.40	11.51
08 71 11 00-1274	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	899.18 6.30 11.40	11.51
08 71 11 00-1275	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	936.32 6.30 11.40	11.51
08 71 11 00-1276	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	484.28 6.30 11.40	9.79
08 71 11 00-1277	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	524.72 6.30 11.40	9.79
08 71 11 00-1278	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	565.18 6.30 11.40	9.79
08 71 11 00-1279	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	605.65 6.30 11.40	9.79
08 71 11 00-1280	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	648.43 6.30 11.40	10.36
08 71 11 00-1281	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	688.89 6.30 11.40	10.36
08 71 11 00-1282	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	729.42 6.30 11.40	10.36
08 71 11 00-1283	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	769.82 6.30 11.40	10.36
08 71 11 00-1284	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	812.58 6.30 11.40	10.93
08 71 11 00-1285	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	853.08 6.30 11.40	10.93

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1286	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	893.54	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1287	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	936.32	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1288	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	976.78	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1289	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	1,017.25	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1290 Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1162)					
Note: US32D					
08 71 11 00-1291	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.26	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1292	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.46	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1293	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.57	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1294	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.80	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1295	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.24	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1296	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.35	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1297	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.58	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1298	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.72	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1299	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.19	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1300	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.35	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1301	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.49	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1302	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.97	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1303	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.14	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1304	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.28	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1305	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.96	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1306	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.94	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1307	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.89	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1308	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.82	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1309	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.10	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1310	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.05	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1311	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.98	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1312	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.90	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1313	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.22	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1314	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.14	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1315	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.06	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1316	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.35	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1317	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.31	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1318	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.23	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1319	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.68	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1320	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.42	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1321	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.15	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1322	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.89	8.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1323	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.90	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1324	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.67	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1325	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.37	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1326	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.14	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1327	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.15	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1328	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.92	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1329	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.69	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1330	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	145.71	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1331	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.48	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1332	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.18	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1333	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.67	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1334	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.19	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1335	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.75	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1336	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.27	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1337	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.06	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1338	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.61	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1339	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.14	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1340	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.69	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1341	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.55	10.36	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1342	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.01 1.76 11.40	10.36
08 71 11 00-1343	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.57 1.76 11.40	10.36
08 71 11 00-1344	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.41 1.76 11.40	10.93
08 71 11 00-1345	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	170.93 1.76 11.40	10.93
08 71 11 00-1346	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.49 1.76 11.40	10.93
08 71 11 00-1347	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	110.91 1.76 11.40	9.21
08 71 11 00-1348	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	117.97 1.76 11.40	9.21
08 71 11 00-1349	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	124.75 1.76 11.40	9.21
08 71 11 00-1350	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	131.49 1.76 11.40	9.21
08 71 11 00-1351	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	140.54 1.76 11.40	9.79
08 71 11 00-1352	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.32 1.76 11.40	9.79
08 71 11 00-1353	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.10 1.76 11.40	9.79
08 71 11 00-1354	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.84 1.76 11.40	9.79
08 71 11 00-1355	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.90 1.76 11.40	10.36
08 71 11 00-1356	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.71 1.76 11.40	10.36
08 71 11 00-1357	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.48 1.76 11.40	10.36
08 71 11 00-1358	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	193.08 1.76 11.40	10.93
08 71 11 00-1359	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.27 1.76 11.40	10.93
08 71 11 00-1360	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.04 1.76 11.40	10.93
08 71 11 00-1361	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	118.63 6.30 11.40	9.21
08 71 11 00-1362	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.10 6.30 11.40	9.21
08 71 11 00-1363	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.50 6.30 11.40	9.21
08 71 11 00-1364	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	140.94 6.30 11.40	9.21
08 71 11 00-1365	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	150.71 6.30 11.40	9.79
08 71 11 00-1366	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.11 6.30 11.40	9.79
08 71 11 00-1367	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.55 6.30 11.40	9.79
08 71 11 00-1368	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.95 6.30 11.40	9.79
08 71 11 00-1369	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.73 6.30 11.40	10.36



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1370	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.17	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1371	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	197.57	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1372	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	207.33	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1373	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	214.80	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1374	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	222.20	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1375	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.03	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1376	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.28	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1377	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.56	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1378	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.79	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1379	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.38	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1380	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	173.66	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1381	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.88	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1382	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.17	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1383	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.71	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1384	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.99	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1385	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	217.28	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1386	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.81	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1387	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	236.09	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1388	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	244.34	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1389	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.10	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1390	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.23	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1391	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.26	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1392	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.40	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1393	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.74	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1394	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.87	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1395	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	195.94	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1396	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	205.04	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1397	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.40	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1398	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	225.50	10.93
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1399	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	234.63	10.93
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1400	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	245.97	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1401	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	255.10	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1402	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	264.14	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1403	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	148.23	9.79
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1404	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	158.11	9.79
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1405	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	168.06	9.79
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1406	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	177.94	9.79
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1407	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	190.17	10.36
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1408	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	200.08	10.36
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1409	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	210.00	10.36
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1410	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	219.91	10.36
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1411	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	232.12	10.93
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1412	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	242.03	10.93
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1413	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	251.95	10.93
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1414	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	264.14	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1415	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	274.09	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1416	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	284.03	11.51
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1417		Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1162)			
		Note: US32			
08 71 11 00-1418	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	116.30	8.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1419	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	123.77	8.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1420	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	131.17	8.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1421	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	138.61	8.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1422	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	148.31	9.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1423	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	155.78	9.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1424	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	163.19	9.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1425	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	170.66	9.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-1426	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	180.33 1.76 11.40	9.79
08 71 11 00-1427	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.80 1.76 11.40	9.79
08 71 11 00-1428	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	195.27 1.76 11.40	9.79
08 71 11 00-1429	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.98 1.76 11.40	10.36
08 71 11 00-1430	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	212.42 1.76 11.40	10.36
08 71 11 00-1431	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	219.82 1.76 11.40	10.36
08 71 11 00-1432	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	136.75 1.76 11.40	8.63
08 71 11 00-1433	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.01 1.76 11.40	8.63
08 71 11 00-1434	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	155.34 1.76 11.40	8.63
08 71 11 00-1435	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	164.64 1.76 11.40	8.63
08 71 11 00-1436	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.20 1.76 11.40	9.21
08 71 11 00-1437	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	185.50 1.76 11.40	9.21
08 71 11 00-1438	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	194.82 1.76 11.40	9.21
08 71 11 00-1439	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.12 1.76 11.40	9.21
08 71 11 00-1440	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	215.68 1.76 11.40	9.79
08 71 11 00-1441	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	224.98 1.76 11.40	9.79
08 71 11 00-1442	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	234.31 1.76 11.40	9.79
08 71 11 00-1443	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	245.85 1.76 11.40	10.36
08 71 11 00-1444	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	255.18 1.76 11.40	10.36
08 71 11 00-1445	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	264.47 1.76 11.40	10.36
08 71 11 00-1446	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.17 1.76 11.40	8.63
08 71 11 00-1447	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	168.36 1.76 11.40	8.63
08 71 11 00-1448	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	179.51 1.76 11.40	8.63
08 71 11 00-1449	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.67 1.76 11.40	8.63
08 71 11 00-1450	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.12 1.76 11.40	9.21
08 71 11 00-1451	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	215.21 1.76 11.40	9.21
08 71 11 00-1452	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.40 1.76 11.40	9.21
08 71 11 00-1453	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.55 1.76 11.40	9.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1454	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.01	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1455	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.16	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1456	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	273.28	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1457	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.78	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1458	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	297.90	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1459	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	309.06	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1460	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.95	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1461	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.97	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1462	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	205.98	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1463	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.99	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1464	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.31	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1465	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	247.29	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1466	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.30	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1467	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	273.28	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1468	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	288.64	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1469	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.65	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1470	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	314.67	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1471	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	329.97	10.93
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1472	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	342.92	10.93
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1473	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	355.94	10.93
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1474	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.37	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1475	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.21	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1476	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	230.15	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1477	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.99	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1478	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.16	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1479	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	277.03	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1480	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	291.88	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1481	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	306.75	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-1482	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.93 1.76 11.40	10.36
08 71 11 00-1483	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	338.77 1.76 11.40	10.36
08 71 11 00-1484	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	353.65 1.76 11.40	10.36
08 71 11 00-1485	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	370.81 1.76 11.40	10.93
08 71 11 00-1486	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	385.71 1.76 11.40	10.93
08 71 11 00-1487	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	400.59 1.76 11.40	10.93
08 71 11 00-1488	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	223.00 6.30 11.40	9.21
08 71 11 00-1489	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	239.99 6.30 11.40	9.21
08 71 11 00-1490	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	256.85 6.30 11.40	9.21
08 71 11 00-1491	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	273.84 6.30 11.40	9.21
08 71 11 00-1492	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	293.06 6.30 11.40	9.79
08 71 11 00-1493	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	309.92 6.30 11.40	9.79
08 71 11 00-1494	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	326.91 6.30 11.40	9.79
08 71 11 00-1495	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	353.45 6.30 11.40	9.79
08 71 11 00-1496	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	363.07 6.30 11.40	10.36
08 71 11 00-1497	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	379.99 6.30 11.40	10.36
08 71 11 00-1498	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	396.92 6.30 11.40	10.36
08 71 11 00-1499	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	416.13 6.30 11.40	10.93
08 71 11 00-1500	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	433.06 6.30 11.40	10.93
08 71 11 00-1501	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	449.98 6.30 11.40	10.93
08 71 11 00-1502	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	246.04 6.30 11.40	9.79
08 71 11 00-1503	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	264.82 6.30 11.40	9.79
08 71 11 00-1504	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	283.64 6.30 11.40	9.79
08 71 11 00-1505	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	302.42 6.30 11.40	9.79
08 71 11 00-1506	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.55 6.30 11.40	10.36
08 71 11 00-1507	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	342.40 6.30 11.40	10.36
08 71 11 00-1508	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	361.15 6.30 11.40	10.36
08 71 11 00-1509	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	379.99 6.30 11.40	10.36

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1510	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	401.04	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1511	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	419.88	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1512	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	438.70	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1513	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	459.79	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1514	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	478.61	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1515	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	497.39	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1516	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	266.71	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1517	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.39	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1518	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	308.06	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1519	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	328.74	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1520	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	351.75	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1521	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	372.46	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1522	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	393.17	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1523	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	413.84	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1524	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	436.81	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1525	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	457.48	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1526	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	478.16	10.93	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1527	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	501.14	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1528	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	521.88	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1529	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	542.56	11.51	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1530	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.39	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1531	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	309.92	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1532	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	332.52	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1533	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	355.09	9.79	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1534	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	379.99	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1535	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	402.53	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1536	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	425.09	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1537	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	447.69	10.36	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 71 11 00-1538	EA 24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	472.55		10.93
08 71 11 00-1539	EA 24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	495.08		10.93
08 71 11 00-1540	EA 24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	517.68		10.93
08 71 11 00-1541	EA 24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	542.56		11.51
08 71 11 00-1542	EA 24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	565.15		11.51
08 71 11 00-1543	EA 24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	587.69		11.51
08 71 11 00-1544 Satin Nickel Finish, Stainless Kick Plate (08 71 11 00-1162)				
Note: US15				
08 71 11 00-1545	EA 8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	150.27		8.63
08 71 11 00-1546	EA 8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.74		8.63
08 71 11 00-1547	EA 8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	171.31		8.63
08 71 11 00-1548	EA 8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	181.79		8.63
08 71 11 00-1549	EA 8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	194.66		9.21
08 71 11 00-1550	EA 8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	205.16		9.21
08 71 11 00-1551	EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	215.70		9.21
08 71 11 00-1552	EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.20		9.21
08 71 11 00-1553	EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	238.97		9.79
08 71 11 00-1554	EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	249.54		9.79
08 71 11 00-1555	EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	260.05		9.79
08 71 11 00-1556	EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	272.89		10.36
08 71 11 00-1557	EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	283.40		10.36
08 71 11 00-1558	EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	293.93		10.36
08 71 11 00-1559	EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	179.18		8.63
08 71 11 00-1560	EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	192.36		8.63
08 71 11 00-1561	EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	205.47		8.63
08 71 11 00-1562	EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	218.62		8.63
08 71 11 00-1563	EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	234.06		9.21
08 71 11 00-1564	EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	247.24		9.21
08 71 11 00-1565	EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	260.36		9.21

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1566	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	273.50	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1567	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	288.98	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1568	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	302.13	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1569	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	315.24	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1570	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	330.76	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1571	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	343.88	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1572	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	357.03	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1573	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	208.11	8.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1574	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	223.90	8.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1575	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	239.66	8.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1576	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	255.45	8.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1577	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	273.50	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1578	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	289.32	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1579	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	305.11	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1580	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	320.87	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1581	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	338.96	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1582	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	354.72	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1583	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	370.47	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1584	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	388.57	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1585	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	404.39	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1586	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	420.15	10.36
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1587	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	239.31	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1588	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	257.75	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1589	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	276.15	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1590	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	294.54	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1591	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	315.24	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1592	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	333.67	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1593	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	352.07	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 71 11 00-1594	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	370.47 1.76 11.40	9.79
08 71 11 00-1595	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	391.21 1.76 11.40	10.36
08 71 11 00-1596	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	409.61 1.76 11.40	10.36
08 71 11 00-1597	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	428.01 1.76 11.40	10.36
08 71 11 00-1598	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	448.73 1.76 11.40	10.93
08 71 11 00-1599	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	467.20 1.76 11.40	10.93
08 71 11 00-1600	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	485.59 1.76 11.40	10.93
08 71 11 00-1601	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	340.08 1.76 11.40	9.21
08 71 11 00-1602	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	367.68 1.76 11.40	9.21
08 71 11 00-1603	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	395.25 1.76 11.40	9.21
08 71 11 00-1604	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	422.81 1.76 11.40	9.21
08 71 11 00-1605	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	452.68 1.76 11.40	9.79
08 71 11 00-1606	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	480.24 1.76 11.40	9.79
08 71 11 00-1607	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	507.84 1.76 11.40	9.79
08 71 11 00-1608	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	535.41 1.76 11.40	9.79
08 71 11 00-1609	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	565.28 1.76 11.40	10.36
08 71 11 00-1610	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	592.85 1.76 11.40	10.36
08 71 11 00-1611	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	620.42 1.76 11.40	10.36
08 71 11 00-1612	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	650.27 1.76 11.40	10.93
08 71 11 00-1613	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	677.84 1.76 11.40	10.93
08 71 11 00-1614	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	705.40 1.76 11.40	10.93
08 71 11 00-1615	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	377.01 6.30 11.40	9.21
08 71 11 00-1616	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	407.97 6.30 11.40	9.21
08 71 11 00-1617	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	438.86 6.30 11.40	9.21
08 71 11 00-1618	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	469.82 6.30 11.40	9.21
08 71 11 00-1619	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	503.01 6.30 11.40	9.79
08 71 11 00-1620	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	533.94 6.30 11.40	9.79
08 71 11 00-1621	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	564.87 6.30 11.40	9.79

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1622	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	595.79 6.30 11.40	9.79
08 71 11 00-1623	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	628.99 6.30 11.40	10.36
08 71 11 00-1624	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	659.95 6.30 11.40	10.36
08 71 11 00-1625	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	690.91 6.30 11.40	10.36
08 71 11 00-1626	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	724.09 6.30 11.40	10.93
08 71 11 00-1627	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	755.05 6.30 11.40	10.93
08 71 11 00-1628	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	785.95 6.30 11.40	10.93
08 71 11 00-1629	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	417.09 6.30 11.40	9.79
08 71 11 00-1630	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	451.50 6.30 11.40	9.79
08 71 11 00-1631	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	485.82 6.30 11.40	9.79
08 71 11 00-1632	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	520.24 6.30 11.40	9.79
08 71 11 00-1633	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	556.87 6.30 11.40	10.36
08 71 11 00-1634	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	591.22 6.30 11.40	10.36
08 71 11 00-1635	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	625.60 6.30 11.40	10.36
08 71 11 00-1636	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	659.95 6.30 11.40	10.36
08 71 11 00-1637	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	696.66 6.30 11.40	10.93
08 71 11 00-1638	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	730.98 6.30 11.40	10.93
08 71 11 00-1639	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	765.33 6.30 11.40	10.93
08 71 11 00-1640	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	802.02 6.30 11.40	11.51
08 71 11 00-1641	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	836.37 6.30 11.40	11.51
08 71 11 00-1642	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	870.76 6.30 11.40	11.51
08 71 11 00-1643	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	454.90 6.30 11.40	9.79
08 71 11 00-1644	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	492.74 6.30 11.40	9.79
08 71 11 00-1645	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	530.52 6.30 11.40	9.79
08 71 11 00-1646	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	568.29 6.30 11.40	9.79
08 71 11 00-1647	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	608.44 6.30 11.40	10.36
08 71 11 00-1648	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	646.22 6.30 11.40	10.36
08 71 11 00-1649	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	684.03 6.30 11.40	10.36



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
08 71 11 00-1650	EA 22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	721.80 6.30 11.40		10.36	
08 71 11 00-1651	EA 22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	761.94 6.30 11.40		10.93	
08 71 11 00-1652	EA 22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	799.71 6.30 11.40		10.93	
08 71 11 00-1653	EA 22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	837.52 6.30 11.40		10.93	
08 71 11 00-1654	EA 22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	877.61 6.30 11.40		11.51	
08 71 11 00-1655	EA 22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	915.38 6.30 11.40		11.51	
08 71 11 00-1656	EA 22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	953.23 6.30 11.40		11.51	
08 71 11 00-1657	EA 24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	492.74 6.30 11.40		9.79	
08 71 11 00-1658	EA 24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	533.94 6.30 11.40		9.79	
08 71 11 00-1659	EA 24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	575.17 6.30 11.40		9.79	
08 71 11 00-1660	EA 24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	616.41 6.30 11.40		9.79	
08 71 11 00-1661	EA 24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	659.95 6.30 11.40		10.36	
08 71 11 00-1662	EA 24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	701.19 6.30 11.40		10.36	
08 71 11 00-1663	EA 24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	742.49 6.30 11.40		10.36	
08 71 11 00-1664	EA 24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	783.66 6.30 11.40		10.36	
08 71 11 00-1665	EA 24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	827.18 6.30 11.40		10.93	
08 71 11 00-1666	EA 24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	868.45 6.30 11.40		10.93	
08 71 11 00-1667	EA 24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	909.68 6.30 11.40		10.93	
08 71 11 00-1668	EA 24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	953.23 6.30 11.40		11.51	
08 71 11 00-1669	EA 24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	994.46 6.30 11.40		11.51	
08 71 11 00-1670	EA 24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	1,035.69 6.30 11.40		11.51	
08 71 11 00-1671	Plastic Kick Plate (08 71 11 00-0778)				
08 71 11 00-1672	Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1671) Note: With four beveled edges.				
08 71 11 00-1673	EA 8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.31		8.63	
08 71 11 00-1674	EA 8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.62		8.63	
08 71 11 00-1675	EA 8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.01		8.63	
08 71 11 00-1676	EA 8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.34		8.63	
08 71 11 00-1677	EA 8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.00		9.21	
08 71 11 00-1678	EA 8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.33		9.21	
08 71 11 00-1679	EA 8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.64		9.21	
08 71 11 00-1680	EA 8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.03		9.21	
08 71 11 00-1681	EA 8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.51		9.79	
08 71 11 00-1682	EA 8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.97		9.79	
08 71 11 00-1683	EA 8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.36		9.79	
08 71 11 00-1684	EA 8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.00		10.36	
08 71 11 00-1685	EA 8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.36		10.36	
08 71 11 00-1686	EA 8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.70		10.36	
08 71 11 00-1687	EA 10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.74		8.63	
08 71 11 00-1688	EA 10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.70		8.63	

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1689	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.60	8.63	
08 71 11 00-1690	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.51	8.63	
08 71 11 00-1691	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.76	9.21	
08 71 11 00-1692	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.67	9.21	
08 71 11 00-1693	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.63	9.21	
08 71 11 00-1694	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.53	9.21	
08 71 11 00-1695	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.79	9.79	
08 71 11 00-1696	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.69	9.79	
08 71 11 00-1697	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.65	9.79	
08 71 11 00-1698	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.86	10.36	
08 71 11 00-1699	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.82	10.36	
08 71 11 00-1700	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.72	10.36	
08 71 11 00-1701	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.20	8.63	
08 71 11 00-1702	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.73	8.63	
08 71 11 00-1703	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.20	8.63	
08 71 11 00-1704	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.76	8.63	
08 71 11 00-1705	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.53	9.21	
08 71 11 00-1706	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.09	9.21	
08 71 11 00-1707	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.61	9.21	
08 71 11 00-1708	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.11	9.21	
08 71 11 00-1709	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.89	9.79	
08 71 11 00-1710	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	109.41	9.79	
08 71 11 00-1711	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.97	9.79	
08 71 11 00-1712	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	118.75	10.36	
08 71 11 00-1713	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.31	10.36	
08 71 11 00-1714	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.78	10.36	
08 71 11 00-1715	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.93	9.21	
08 71 11 00-1716	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.06	9.21	
08 71 11 00-1717	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.13	9.21	
08 71 11 00-1718	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.25	9.21	
08 71 11 00-1719	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.65	9.79	
08 71 11 00-1720	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	104.72	9.79	
08 71 11 00-1721	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.84	9.79	
08 71 11 00-1722	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.97	9.79	
08 71 11 00-1723	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.35	10.36	
08 71 11 00-1724	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	123.48	10.36	
08 71 11 00-1725	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.57	10.36	
08 71 11 00-1726	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	133.93	10.93	
08 71 11 00-1727	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	138.06	10.93	
08 71 11 00-1728	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	142.13	10.93	
08 71 11 00-1729	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.10	9.21	
08 71 11 00-1730	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.51	9.21	
08 71 11 00-1731	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	106.83	9.21	
08 71 11 00-1732	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.24	9.21	
08 71 11 00-1733	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.94	9.79	
08 71 11 00-1734	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.32	9.79	
08 71 11 00-1735	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	130.73	9.79	
08 71 11 00-1736	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.08	9.79	
08 71 11 00-1737	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	143.79	10.36	
08 71 11 00-1738	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	149.17	10.36	
08 71 11 00-1739	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	154.58	10.36	
08 71 11 00-1740	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.27	10.93	
08 71 11 00-1741	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	167.59	10.93	
08 71 11 00-1742	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	173.00	10.93	
08 71 11 00-1743	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.47	9.21	
08 71 11 00-1744	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	109.56	9.21	
08 71 11 00-1745	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	115.59	9.21	
08 71 11 00-1746	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	121.68	9.21	
08 71 11 00-1747	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.55	9.79	
08 71 11 00-1748	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.08	9.79	
08 71 11 00-1749	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	142.17	9.79	
08 71 11 00-1750	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	148.20	9.79	
08 71 11 00-1751	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	156.60	10.36	
08 71 11 00-1752	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.66	10.36	
08 71 11 00-1753	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	168.69	10.36	
08 71 11 00-1754	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	177.07	10.93	
08 71 11 00-1755	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	183.10	10.93	
08 71 11 00-1756	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	189.19	10.93	
08 71 11 00-1757	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.20	9.79	
08 71 11 00-1758	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.94	9.79	
08 71 11 00-1759	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.66	9.79	
08 71 11 00-1760	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	133.40	9.79	
08 71 11 00-1761	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	142.46	10.36	
08 71 11 00-1762	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	149.17	10.36	
08 71 11 00-1763	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	155.91	10.36	
08 71 11 00-1764	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.66	10.36	
08 71 11 00-1765	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	171.66	10.93	
08 71 11 00-1766	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	178.41	10.93	
08 71 11 00-1767	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	185.12	10.93	
08 71 11 00-1768	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	194.18	11.51	
08 71 11 00-1769	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	200.92	11.51	



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1770	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.64	11.51
08 71 11 00-1771	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.63	9.79
08 71 11 00-1772	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.99	9.79
08 71 11 00-1773	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.42	9.79
08 71 11 00-1774	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.79	9.79
08 71 11 00-1775	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.56	10.36
08 71 11 00-1776	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.98	10.36
08 71 11 00-1777	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	167.35	10.36
08 71 11 00-1778	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	174.78	10.36
08 71 11 00-1779	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.44	10.93
08 71 11 00-1780	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	191.87	10.93
08 71 11 00-1781	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.29	10.93
08 71 11 00-1782	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	208.97	11.51
08 71 11 00-1783	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	216.40	11.51
08 71 11 00-1784	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.77	11.51
08 71 11 00-1785	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.99	9.79
08 71 11 00-1786	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.08	9.79
08 71 11 00-1787	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.19	9.79
08 71 11 00-1788	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.27	9.79
08 71 11 00-1789	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.66	10.36
08 71 11 00-1790	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.71	10.36
08 71 11 00-1791	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.79	10.36
08 71 11 00-1792	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	186.90	10.36
08 71 11 00-1793	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.27	10.93
08 71 11 00-1794	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	205.33	10.93
08 71 11 00-1795	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	213.41	10.93
08 71 11 00-1796	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.77	11.51
08 71 11 00-1797	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	231.91	11.51
08 71 11 00-1798	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	239.99	11.51
08 71 11 00-1799	Mop Plate (08 71 11 00-0777) Note: Ives 8400. See CSI section 08 71 11 00-0777 for 8" High Plates.			
08 71 11 00-1800	Aluminum Base Material Mop Plate (08 71 11 00-1799)			
08 71 11 00-1801	Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1800) Note: US28			
08 71 11 00-1802	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.63	8.41
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	53.31	8.41
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1804	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	54.92	8.41
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1805	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.60	8.41
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1806	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.65	8.75
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1807	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.27	8.75
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1808	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	62.94	8.75
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1809	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.55	8.75
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1810	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.19	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1811	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.83	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1812	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.48	9.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1813	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	75.42	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1814	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	77.09	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1815	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.71	9.79
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1816	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	60.71	8.41
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1817	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.17	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1818	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	65.67	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1819	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.14	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1820	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.01	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1821	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.45	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1822	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.98	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1823	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	79.41	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1824	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.87	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1825	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	86.33	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1826	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	88.83	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1827	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	93.60	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1828	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	96.09	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1829	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	98.53	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1830		Brass Base Material Mop Plate (08 71 11 00-1799)			
08 71 11 00-1831		Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1830)			
		Note: US3/US4			
08 71 11 00-1832	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	86.83	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1833	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	91.73	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1834	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	96.57	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1835	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	101.43	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1836	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	107.65	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1837	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	112.49	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1838	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	117.36	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1839	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	122.20	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1840	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.02	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1841	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	133.86	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1842	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	138.70	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1843	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	145.87	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1844	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	150.70	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
08 71 11 00-1845	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	155.61 1.76 11.40	9.79
08 71 11 00-1846	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	113.56 1.76 11.40	8.41
08 71 11 00-1847	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.82 1.76 11.40	8.41
08 71 11 00-1848	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.10 1.76 11.40	8.41
08 71 11 00-1849	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.36 1.76 11.40	8.41
08 71 11 00-1850	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.03 1.76 11.40	8.75
08 71 11 00-1851	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	151.35 1.76 11.40	8.75
08 71 11 00-1852	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.57 1.76 11.40	8.75
08 71 11 00-1853	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.89 1.76 11.40	8.75
08 71 11 00-1854	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	175.07 1.76 11.40	9.21
08 71 11 00-1855	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.39 1.76 11.40	9.21
08 71 11 00-1856	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	189.68 1.76 11.40	9.21
08 71 11 00-1857	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.24 1.76 11.40	9.79
08 71 11 00-1858	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.52 1.76 11.40	9.79
08 71 11 00-1859	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.78 1.76 11.40	9.79
08 71 11 00-1860 Satin/Dark Bronze Finish, Brass Mop Plate (08 71 11 00-1830)				
Note: US10/US10B				
08 71 11 00-1861	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.13 1.76 11.40	8.41
08 71 11 00-1862	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.53 1.76 11.40	8.41
08 71 11 00-1863	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.97 1.76 11.40	8.41
08 71 11 00-1864	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.37 1.76 11.40	8.41
08 71 11 00-1865	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.19 1.76 11.40	8.75
08 71 11 00-1866	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	121.62 1.76 11.40	8.75
08 71 11 00-1867	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	127.06 1.76 11.40	8.75
08 71 11 00-1868	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	132.50 1.76 11.40	8.75
08 71 11 00-1869	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.83 1.76 11.40	9.21
08 71 11 00-1870	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	145.26 1.76 11.40	9.21
08 71 11 00-1871	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	150.70 1.76 11.40	9.21
08 71 11 00-1872	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.44 1.76 11.40	9.79

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1873	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	163.87 1.76 11.40	9.79
08 71 11 00-1874	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.24 1.76 11.40	9.79
08 71 11 00-1875	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.93 1.76 11.40	8.41
08 71 11 00-1876	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	131.12 1.76 11.40	8.41
08 71 11 00-1877	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.24 1.76 11.40	8.41
08 71 11 00-1878	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	163.19 1.76 11.40	8.41
08 71 11 00-1879	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	156.86 1.76 11.40	8.75
08 71 11 00-1880	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	164.98 1.76 11.40	8.75
08 71 11 00-1881	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.11 1.76 11.40	8.75
08 71 11 00-1882	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	181.23 1.76 11.40	8.75
08 71 11 00-1883	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.37 1.76 11.40	9.21
08 71 11 00-1884	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.50 1.76 11.40	9.21
08 71 11 00-1885	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	207.62 1.76 11.40	9.21
08 71 11 00-1886	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	218.04 1.76 11.40	9.79
08 71 11 00-1887	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.16 1.76 11.40	9.79
08 71 11 00-1888	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	234.29 1.76 11.40	9.79
08 71 11 00-1889		Stainless Base Material Mop Plate (08 71 11 00-1799)		
08 71 11 00-1890		Bright/Satin Chrome Finish, Stainless Mop Plate (08 71 11 00-1889) Note: US26/US26D		
08 71 11 00-1891	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.18 1.76 11.40	8.41
08 71 11 00-1892	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	97.48 1.76 11.40	8.41
08 71 11 00-1893	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	102.82 1.76 11.40	8.41
08 71 11 00-1894	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.17 1.76 11.40	8.41
08 71 11 00-1895	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	114.85 1.76 11.40	8.75
08 71 11 00-1896	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.20 1.76 11.40	8.75
08 71 11 00-1897	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.54 1.76 11.40	8.75
08 71 11 00-1898	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.85 1.76 11.40	8.75
08 71 11 00-1899	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.15 1.76 11.40	9.21
08 71 11 00-1900	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.52 1.76 11.40	9.21



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 71 11 00-1901	EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	148.86 1.76 11.40		9.21
08 71 11 00-1902	EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	156.50 1.76 11.40		9.79
08 71 11 00-1903	EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	161.81 1.76 11.40		9.79
08 71 11 00-1904	EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.15 1.76 11.40		9.79
08 71 11 00-1905	EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	121.50 1.76 11.40		8.41
08 71 11 00-1906	EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.47 1.76 11.40		8.41
08 71 11 00-1907	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.49 1.76 11.40		8.41
08 71 11 00-1908	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	145.52 1.76 11.40		8.41
08 71 11 00-1909	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.86 1.76 11.40		8.75
08 71 11 00-1910	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	162.89 1.76 11.40		8.75
08 71 11 00-1911	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	170.85 1.76 11.40		8.75
08 71 11 00-1912	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	178.88 1.76 11.40		8.75
08 71 11 00-1913	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	188.87 1.76 11.40		9.21
08 71 11 00-1914	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	196.83 1.76 11.40		9.21
08 71 11 00-1915	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.86 1.76 11.40		9.21
08 71 11 00-1916	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	215.12 1.76 11.40		9.79
08 71 11 00-1917	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	223.15 1.76 11.40		9.79
08 71 11 00-1918	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.14 1.76 11.40		9.79
08 71 11 00-1919	Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1889) Note: US32D			
08 71 11 00-1920	EA 4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	53.23 1.76 11.40		8.41
08 71 11 00-1921	EA 4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	54.97 1.76 11.40		8.41
08 71 11 00-1922	EA 4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	56.78 1.76 11.40		8.41
08 71 11 00-1923	EA 4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	58.56 1.76 11.40		8.41
08 71 11 00-1924	EA 4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.75 1.76 11.40		8.75
08 71 11 00-1925	EA 4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.55 1.76 11.40		8.75
08 71 11 00-1926	EA 4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.30 1.76 11.40		8.75
08 71 11 00-1927	EA 4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.11 1.76 11.40		8.75
08 71 11 00-1928	EA 4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	70.84 1.76 11.40		9.21

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1929	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.65	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1930	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	74.46	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1931	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	78.51	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1932	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	80.31	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1933	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	82.09	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1934	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.01	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1935	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	65.73	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1936	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	68.41	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1937	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.12	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1938	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.15	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1939	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	77.83	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1940	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	80.55	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1941	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.23	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1942	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	87.90	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1943	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	90.55	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1944	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	93.23	9.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1945	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	98.24	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1946	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	100.89	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1947	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	103.60	9.79	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1948		Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1889)			
		Note: US32			
08 71 11 00-1949	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	76.77	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1950	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	80.72	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1951	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.68	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1952	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	88.58	8.41	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1953	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	93.91	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1954	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	97.84	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1955	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	101.80	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1956	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	105.75	8.75	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 71 11 00-1957	EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	111.61	1.76 11.40	9.21
08 71 11 00-1958	EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.56	1.76 11.40	9.21
08 71 11 00-1959	EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	119.52	1.76 11.40	9.21
08 71 11 00-1960	EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.75	1.76 11.40	9.79
08 71 11 00-1961	EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.70	1.76 11.40	9.79
08 71 11 00-1962	EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.60	1.76 11.40	9.79
08 71 11 00-1963	EA 6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.41	1.76 11.40	8.41
08 71 11 00-1964	EA 6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	104.37	1.76 11.40	8.41
08 71 11 00-1965	EA 6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	110.28	1.76 11.40	8.41
08 71 11 00-1966	EA 6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.18	1.76 11.40	8.41
08 71 11 00-1967	EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	123.43	1.76 11.40	8.75
08 71 11 00-1968	EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.34	1.76 11.40	8.75
08 71 11 00-1969	EA 6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.24	1.76 11.40	8.75
08 71 11 00-1970	EA 6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.15	1.76 11.40	8.75
08 71 11 00-1971	EA 6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	149.04	1.76 11.40	9.21
08 71 11 00-1972	EA 6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.95	1.76 11.40	9.21
08 71 11 00-1973	EA 6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.85	1.76 11.40	9.21
08 71 11 00-1974	EA 6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.06	1.76 11.40	9.79
08 71 11 00-1975	EA 6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	174.93	1.76 11.40	9.79
08 71 11 00-1976	EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	180.83	1.76 11.40	9.79
08 71 11 00-1977	Satin Nickel Finish, Stainless Mop Plate (08 71 11 00-1889) Note: US15			
08 71 11 00-1978	EA 4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	94.21	1.76 11.40	8.41
08 71 11 00-1979	EA 4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.67	1.76 11.40	8.41
08 71 11 00-1980	EA 4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.23	1.76 11.40	8.41
08 71 11 00-1981	EA 4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	110.75	1.76 11.40	8.41
08 71 11 00-1982	EA 4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	117.66	1.76 11.40	8.75
08 71 11 00-1983	EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	123.15	1.76 11.40	8.75
08 71 11 00-1984	EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.67	1.76 11.40	8.75

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1985	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	134.20 1.76 11.40	8.75
08 71 11 00-1986	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.72 1.76 11.40	9.21
08 71 11 00-1987	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.21 1.76 11.40	9.21
08 71 11 00-1988	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.70 1.76 11.40	9.21
08 71 11 00-1989	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.56 1.76 11.40	9.79
08 71 11 00-1990	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	166.09 1.76 11.40	9.79
08 71 11 00-1991	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	171.55 1.76 11.40	9.79
08 71 11 00-1992	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	124.55 1.76 11.40	8.41
08 71 11 00-1993	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	132.82 1.76 11.40	8.41
08 71 11 00-1994	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.09 1.76 11.40	8.41
08 71 11 00-1995	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	149.36 1.76 11.40	8.41
08 71 11 00-1996	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	159.02 1.76 11.40	8.75
08 71 11 00-1997	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.29 1.76 11.40	8.75
08 71 11 00-1998	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	175.56 1.76 11.40	8.75
08 71 11 00-1999	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.87 1.76 11.40	8.75
08 71 11 00-2000	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	194.10 1.76 11.40	9.21
08 71 11 00-2001	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	202.40 1.76 11.40	9.21
08 71 11 00-2002	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	210.67 1.76 11.40	9.21
08 71 11 00-2003	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	221.25 1.76 11.40	9.79
08 71 11 00-2004	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	229.52 1.76 11.40	9.79
08 71 11 00-2005	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.82 1.76 11.40	9.79
08 71 11 00-2006		Plastic Mop Plate (08 71 11 00-1799)		
08 71 11 00-2007		Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-2006) Note: With four beveled edges.		
08 71 11 00-2008	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	49.88	8.41
08 71 11 00-2009	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	51.37	8.41
08 71 11 00-2010	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	52.88	8.41
08 71 11 00-2011	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	54.37	8.41
08 71 11 00-2012	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	57.23	8.75
08 71 11 00-2013	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.72	8.75
08 71 11 00-2014	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.20	8.75
08 71 11 00-2015	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	61.72	8.75



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2016	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	65.16	9.21
08 71 11 00-2017	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	66.65	9.21
08 71 11 00-2018	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	68.13	9.21
08 71 11 00-2019	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	71.92	9.79
08 71 11 00-2020	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	73.43	9.79
08 71 11 00-2021	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	74.92	9.79
08 71 11 00-2022	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.08	8.41
08 71 11 00-2023	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.34	8.41
08 71 11 00-2024	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	62.56	8.41
08 71 11 00-2025	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	64.79	8.41
08 71 11 00-2026	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	68.43	8.75
08 71 11 00-2027	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	70.66	8.75
08 71 11 00-2028	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	72.88	8.75
08 71 11 00-2029	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	75.11	8.75
08 71 11 00-2030	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	79.33	9.21
08 71 11 00-2031	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	81.55	9.21
08 71 11 00-2032	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	83.78	9.21
08 71 11 00-2033	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	88.34	9.79
08 71 11 00-2034	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	90.57	9.79
08 71 11 00-2035	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	92.79	9.79
08 71 11 00-2036		Armor Door Plate (08 71 11 00-0777) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2037	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.23	1.44
08 71 11 00-2038	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.96	1.12
08 71 11 00-2039	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.51	1.44
08 71 11 00-2040	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	34.24	1.12
08 71 11 00-2041	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	73.47	1.44
08 71 11 00-2042	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	72.20	1.12
08 71 11 00-2043		Pull Handle And Plates (08 71 11 00-0777)		
08 71 11 00-2044		Pull Handle (08 71 11 00-2043)		
08 71 11 00-2045	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... For Stainless Steel, Add For Brass, Add	64.68 11.21 15.22	9.49
08 71 11 00-2046	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... For Stainless Steel, Add For Brass, Add	68.14 12.67 17.19	9.49
08 71 11 00-2047	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... For Stainless Steel, Add For Brass, Add	73.61 14.96 20.31	9.49
08 71 11 00-2048	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... For Stainless Steel, Add For Brass, Add	76.64 16.24 22.04	9.49
08 71 11 00-2049	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... For Stainless Steel, Add For Brass, Add	82.13 18.54 25.17	9.49
08 71 11 00-2050	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... For Stainless Steel, Add For Brass, Add	89.22 21.52 29.21	9.49
08 71 11 00-2051	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... For Stainless Steel, Add For Brass, Add	68.41 12.78 17.35	9.49
08 71 11 00-2052	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... For Stainless Steel, Add For Brass, Add	75.97 15.96 21.65	9.49
08 71 11 00-2053	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... For Stainless Steel, Add For Brass, Add	77.21 16.48 22.36	9.49

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2054	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	153.58 21.85	9.49
		<i>For Brass, Add</i>	20.11	
08 71 11 00-2055	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	158.26 22.73	9.49
		<i>For Brass, Add</i>	20.93	
08 71 11 00-2056	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	167.66 24.51	9.49
		<i>For Brass, Add</i>	22.56	
08 71 11 00-2057	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	222.12 34.80	9.49
		<i>For Brass, Add</i>	32.04	
08 71 11 00-2058		Pull Plate (08 71 11 00-2043)		
08 71 11 00-2059	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	104.88 44.90	7.20
		<i>For Brass, Add</i>	57.08	
08 71 11 00-2060	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	107.53 46.47	7.20
		<i>For Brass, Add</i>	59.07	
08 71 11 00-2061	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i>	113.56 50.03	7.20
		<i>For Brass, Add</i>	63.59	
08 71 11 00-2062		Push Bars And Plates (08 71 11 00-0777)		
08 71 11 00-2063		Push Bars (08 71 11 00-2062)		
08 71 11 00-2064	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	312.94	7.20
08 71 11 00-2065	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	286.50 44.85	7.20
08 71 11 00-2066	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	297.32 46.73	7.20
08 71 11 00-2067	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	565.87 93.46	7.20
08 71 11 00-2068		Push Plates (08 71 11 00-2062)		
08 71 11 00-2069		Aluminum Push Plates (08 71 11 00-2068)		
08 71 11 00-2070		Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2069) Note: Ives 8200 Series.		
08 71 11 00-2071	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	47.89	7.20
08 71 11 00-2072	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	47.89	7.20
08 71 11 00-2073	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	47.89	7.20
08 71 11 00-2074	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.73	7.20
08 71 11 00-2075		Stainless Steel Push Plates (08 71 11 00-2068)		
08 71 11 00-2076		Satin Finish, Stainless Steel Push Plates (08 71 11 00-2075) Note: Ives 8200 Series.		
08 71 11 00-2077	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	47.89	7.20
08 71 11 00-2078	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	51.62	7.20
08 71 11 00-2079	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	60.11	7.20
08 71 11 00-2080	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	72.68	7.20
08 71 11 00-2081		Brass Push Plates (08 71 11 00-2068)		
08 71 11 00-2082		Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2081) Note: Ives 8200 Series.		
08 71 11 00-2083	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	59.25	7.20
08 71 11 00-2084	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	68.80	7.20
08 71 11 00-2085	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	91.80	7.20
08 71 11 00-2086	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	106.92	7.20
08 71 11 00-2087		Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2081) Note: Ives 8200 Series.		
08 71 11 00-2088	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	66.89	7.20
08 71 11 00-2089	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	74.65	7.20
08 71 11 00-2090	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	95.72	7.20
08 71 11 00-2091	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	116.49	7.20
08 71 11 00-2092		Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2081) Note: Ives 8200 Series.		
08 71 11 00-2093	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	66.89	7.20
08 71 11 00-2094	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	74.65	7.20
08 71 11 00-2095	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	99.44	7.20



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2096	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	118.56	7.20
08 71 11 00-2097			Satin Nickel Finish, Brass Push Plates (08 71 11 00-2081) Note: Ives 8200 Series.		
08 71 11 00-2098	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	66.89	7.20
08 71 11 00-2099	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	76.59	7.20
08 71 11 00-2100	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	105.33	7.20
08 71 11 00-2101	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	124.45	7.20
08 71 11 00-2102			Anti-Vandal Pull (08 71 11 00-2062)		
08 71 11 00-2103	EA		Anti-Vandal Pull With Astragal (Trimco 1096HA).....	380.50	14.39
08 71 11 00-2104	EA		Anti-Vandal Pull Without Astragal (Trimco 1097HA).....	380.50	14.39
08 71 11 00-2105			Exit Devices (08 71 11)		
08 71 11 00-2106			Push Bar Exit Device, Von Duprin Series 22 (08 71 11 00-2105) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2107	EA		3" Push Bar, Rim Type, Exit Device (Von Duprin Series 22).....	820.04	129.47
			Note: Anodized finish: aluminum or dark brown.		
			For 4" Push Bar, Add	13.87	
08 71 11 00-2108	EA		3" Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F).....	913.98	129.47
			Note: Anodized finish: aluminum or dark brown.		
			For 4" Push Bar, Add	13.87	
08 71 11 00-2109	EA		3" Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227).....	1,193.18	155.38
			Note: Anodized finish: aluminum or dark brown.		
			For 4" Push Bar, Add	13.87	
08 71 11 00-2110	EA		3" Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F).....	1,427.16	143.86
			Note: Anodized finish: aluminum or dark brown.		
			For 4" Push Bar, Add	13.87	
08 71 11 00-2111	EA		Dummy Trim (Von Duprin Series 22, 210DT)	110.63	21.58
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2112	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	240.31	28.77
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2113	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K)	452.47	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2114	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L)	448.14	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2115	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....	447.06	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2116	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	354.48	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2117	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO).....	143.53	17.27
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2118	EA		Dummy Trim (Von Duprin Series 22, 230DT)	165.86	21.58
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2119	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	297.72	28.77
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2120	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	350.16	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2121	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....	349.07	43.16
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2122			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 11 00-2105) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2123	EA		3" Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,776.15	129.47
			Note: Aluminum anodized finish.		
			For 4" Push Bar, Add	13.87	
			For Accessible Device (AX), Add	143.09	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	146.52	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	138.08	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	54.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	417.81	
08 71 11 00-2124	EA		3" Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,426.53	155.38
			Note: Aluminum anodized finish.		
			For 4" Push Bar, Add	13.87	
			For Accessible Device (AX), Add	201.22	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	206.05	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	194.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	76.46	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	587.56	
08 71 11 00-2125	EA		3" Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F).....	2,475.28	155.38
			Note: Aluminum anodized finish.		
			For 4" Push Bar, Add	13.87	
			For Accessible Device (AX), Add	206.09	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	211.04	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	198.88	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	78.32	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	601.79	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2126 EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)	2,507.78	178.39
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	203.02	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	207.89	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	195.91	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	77.15	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	592.80	
08 71 11 00-2127 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F)	2,633.54	178.39
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	215.59	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	220.77	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	208.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	81.92	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.53	
08 71 11 00-2128 EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,809.35	178.39
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	233.17	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	238.77	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	225.01	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	88.61	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	680.86	
08 71 11 00-2129 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F)	2,935.11	178.39
Note: Aluminum anodized finish.		
For 4' Push Bar, Add	13.87	
For Accessible Device (AX), Add	245.75	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	251.65	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	237.15	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	93.38	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	717.58	
08 71 11 00-2130 EA Dummy Trim (Von Duprin Series 33/35, DT)	401.45	21.58
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.19	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.07	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	100.42	
08 71 11 00-2131 EA Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)	453.37	28.77
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	35.98	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	108.86	
08 71 11 00-2132 EA Night Latch With Cylinder (Von Duprin Series 33/35, NL)	738.85	28.77
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	63.52	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.01	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	192.22	
08 71 11 00-2133 EA Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	749.69	43.16
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.24	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	24.11	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	185.30	
08 71 11 00-2134 EA Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)	890.65	43.16
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	74.84	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	29.47	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	226.46	
08 71 11 00-2135 EA Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	872.88	43.16
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	73.13	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	28.80	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	221.27	
08 71 11 00-2136 EA Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	881.18	43.16
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	73.93	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	29.11	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	223.70	

08 71 11 00-2137 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2105)

Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2138	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	1,523.30 13.00 71.86 114.27 182.59 373.43 117.80 173.17 68.51 286.85 190.93 175.40 911.60 88.62 319.74 117.80	129.47
08 71 11 00-2139	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	1,729.36 13.00 84.43 134.26 214.53 438.75 138.41 203.46 911.60 88.62 319.74 138.41	129.47
08 71 11 00-2140	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	1,493.50 13.00 70.04 111.38 177.97 363.99 114.82 168.79 68.51 286.85 190.93 175.40 911.60 88.62 319.74 114.82	129.47
08 71 11 00-2141	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	1,668.98 13.00 80.75 128.40 205.17 419.61 132.37 194.58 911.60 88.62 319.74 132.37	129.47
08 71 11 00-2142	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,173.30 13.00 107.30 170.62 272.64 557.59 175.90 258.57 68.51 286.85 190.93 175.40 911.60 88.62 319.74 175.90	155.38

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2143	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,452.60	155.38
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	124.33	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	197.71	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	315.93	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	646.13	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	203.83	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	299.62	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	203.83	
08 71 11 00-2144	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947)	2,282.52	178.39
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	167.85	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	175.07	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	279.76	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	572.15	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	180.49	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	265.32	
			For Standard Baseplate Cylinder Dogging (CD), Add	68.51	
			For Special Center Case Dogging (SD), Add	286.85	
			For Cylinder Dogging Indicator (CI), Add	190.93	
			For Dogging Indicator (DI), Add	175.40	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	180.49	
08 71 11 00-2145	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F)	2,568.03	178.39
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	194.41	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	202.77	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	324.01	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	662.66	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	209.04	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	307.29	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	209.04	
08 71 11 00-2146	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948)	2,574.23	178.39
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	194.98	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	203.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	324.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	664.62	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	209.66	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	308.20	
			For Standard Baseplate Cylinder Dogging (CD), Add	68.51	
			For Special Center Case Dogging (SD), Add	286.85	
			For Cylinder Dogging Indicator (CI), Add	190.93	
			For Dogging Indicator (DI), Add	175.40	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	209.66	
08 71 11 00-2147	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F)	2,556.34	178.39
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	193.32	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	201.63	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	322.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	658.95	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	207.87	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	305.57	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	207.87	



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2148	EA		3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,233.54 13.00 163.30 170.32 272.17 556.62 175.59 258.12 68.51 286.85 190.93 175.40 911.60 88.62 319.74 175.59	178.39
08 71 11 00-2149	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,514.10 13.00 189.39 197.54 315.65 645.56 203.65 299.36 911.60 88.62 319.74 203.65	178.39
08 71 11 00-2150	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,423.73 13.00 122.57 194.91 311.46 636.98 200.94 295.38 68.51 286.85 190.93 175.40 911.60 88.62 319.74 200.94	155.38
08 71 11 00-2151	EA		3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,585.13 13.00 132.42 210.57 336.47 688.14 217.08 319.11 68.51 286.85 190.93 175.40 911.60 88.62 319.74 217.08	155.38
08 71 11 00-2152	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,153.31 13.00 63.70 167.01 266.87 545.79 172.17 253.09 68.51 286.85 190.93 175.40 911.60 88.62 319.74 172.17	161.13

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2153	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	2,363.09		161.13
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.47		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	187.36		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	299.38		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	612.29		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	193.15		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	283.93		
		For Quiet Electric Latch Retraction (QEL), Add	911.60		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62		
		For Safety Glow Touchpad, Add	319.74		
		For Accessible Device (AX), Add	193.15		
08 71 11 00-2154	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	2,129.54		178.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	153.63		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	160.24		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	256.05		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	523.66		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	165.19		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	242.83		
		For Standard Baseplate Cylinder Dogging (CD), Add	68.51		
		For Special Center Case Dogging (SD), Add	286.85		
		For Cylinder Dogging Indicator (CI), Add	190.93		
		For Dogging Indicator (DI), Add	175.40		
		For Quiet Electric Latch Retraction (QEL), Add	911.60		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62		
		For Safety Glow Touchpad, Add	319.74		
		For Accessible Device (AX), Add	165.19		
08 71 11 00-2155	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849-F/9949-F).....	2,311.52		178.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	170.55		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	177.89		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	284.25		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	581.34		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.39		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	269.58		
		For Standard Baseplate Cylinder Dogging (CD), Add	68.51		
		For Special Center Case Dogging (SD), Add	286.85		
		For Cylinder Dogging Indicator (CI), Add	190.93		
		For Dogging Indicator (DI), Add	175.40		
		For Quiet Electric Latch Retraction (QEL), Add	911.60		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62		
		For Safety Glow Touchpad, Add	319.74		
		For Accessible Device (AX), Add	183.39		
08 71 11 00-2156	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,318.02		178.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	171.16		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	178.52		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	285.26		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	583.40		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	184.04		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	270.54		
		For Standard Baseplate Cylinder Dogging (CD), Add	68.51		
		For Special Center Case Dogging (SD), Add	286.85		
		For Cylinder Dogging Indicator (CI), Add	190.93		
		For Dogging Indicator (DI), Add	175.40		
		For Quiet Electric Latch Retraction (QEL), Add	911.60		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62		
		For Safety Glow Touchpad, Add	319.74		
		For Accessible Device (AX), Add	184.04		
08 71 11 00-2157	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,642.99		178.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	201.38		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	210.04		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	335.63		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	686.42		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	216.54		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	318.31		
		For Standard Baseplate Cylinder Dogging (CD), Add	68.51		
		For Special Center Case Dogging (SD), Add	286.85		
		For Cylinder Dogging Indicator (CI), Add	190.93		
		For Dogging Indicator (DI), Add	175.40		
		For Quiet Electric Latch Retraction (QEL), Add	911.60		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62		
		For Safety Glow Touchpad, Add	319.74		
		For Accessible Device (AX), Add	216.54		



		Openings	08
		Hardware	08 70
		Door Hardware	08 71

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2158	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99).....	3,385.72	149.62
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	462.35	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	945.58	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	298.29	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	110.96	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	124.69	
			For Center Case Dogging (CD-CX), Add	309.68	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	298.29	
08 71 11 00-2159	EA		3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,591.78	149.62
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	494.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,010.90	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	318.90	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.63	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	133.30	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	318.90	
08 71 11 00-2160	EA		3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,027.25	184.15
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	546.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,117.93	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	352.66	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	131.19	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	147.41	
			For Center Case Dogging (CD-CX), Add	309.68	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	352.66	
08 71 11 00-2161	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	4,237.04	184.15
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	579.14	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,184.44	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	373.64	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	138.99	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	156.18	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	373.64	
08 71 11 00-2162	EA		3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,169.23	149.62
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	273.79	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	559.95	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	176.64	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	65.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.39	
			For Standard Baseplate Cylinder Dogging (CD), Add	68.51	
			For Special Center Case Dogging (SD), Add	286.85	
			For Dogging Indicator (DI), Add	175.40	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	176.64	
08 71 11 00-2163	EA		3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,375.29	149.62
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	305.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	625.27	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	197.25	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.38	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.22	
			For Quiet Electric Latch Retraction (QEL), Add	911.60	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
			For Safety Glow Touchpad, Add	319.74	
			For Accessible Device (AX), Add	197.25	

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2164	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,810.76	184.15
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	358.07	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	732.30	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	231.01	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.94	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	132.60	
		For Standard Baseplate Cylinder Dogging (CD), Add	68.51	
		For Special Center Case Dogging (SD), Add	286.85	
		For Dogging Indicator (DI), Add	175.40	
		For Quiet Electric Latch Retraction (QEL), Add	911.60	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
		For Safety Glow Touchpad, Add	319.74	
		For Accessible Device (AX), Add	231.01	
08 71 11 00-2165	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,020.53	184.15
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	390.58	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	798.80	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	251.99	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	93.74	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	144.64	
		For Quiet Electric Latch Retraction (QEL), Add	911.60	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	88.62	
		For Safety Glow Touchpad, Add	319.74	
		For Accessible Device (AX), Add	251.99	
08 71 11 00-2166	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO) Note: Satin chrome plated US26D (BHMA 626) finish.	177.95	17.27
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.96	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.94	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.42	
08 71 11 00-2167	EA	Dummy Trim (Von Duprin Series 98/99, 990DT) Note: Satin chrome plated US26D (BHMA 626) finish.	262.72	21.58
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.16	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.23	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	34.88	
08 71 11 00-2168	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	398.40	28.77
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.53	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.30	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	54.03	
08 71 11 00-2169	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	300.41	28.77
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.60	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.89	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.37	
08 71 11 00-2170	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	687.30	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	17.17	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.75	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	97.28	
08 71 11 00-2171	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	589.31	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.34	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	80.62	
08 71 11 00-2172	EA	Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	589.31	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.34	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	80.62	
08 71 11 00-2173	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	582.62	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.03	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.04	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	79.48	
08 71 11 00-2174	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	484.63	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.09	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.63	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.82	
08 71 11 00-2175	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT) Note: Satin chrome plated US26D (BHMA 626) finish.	484.63	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.09	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.63	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.82	
08 71 11 00-2176	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	565.88	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.52	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.29	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	76.63	
08 71 11 00-2177	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	467.89	43.16
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.58	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.88	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	59.98	



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
08 71 11 00-2178	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	467.89 10.58 15.88 59.98	43.16
08 71 11 00-2179	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	556.45 13.24 19.86 75.03	43.16
08 71 11 00-2180	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	458.46 10.30 15.45 58.37	43.16
08 71 11 00-2181	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	458.46 10.30 15.45 58.37	43.16
08 71 11 00-2182	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	505.15 11.70 17.55 66.31	43.16
08 71 11 00-2183	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	407.16 8.76 13.14 49.65	43.16
08 71 11 00-2184	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	407.16 8.76 13.14 49.65	43.16
08 71 11 00-2185	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	416.65 9.05 13.57 51.27	43.16
08 71 11 00-2186		Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2105)		
08 71 11 00-2187	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	1,058.56	43.16
08 71 11 00-2188	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914) For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Panic Device Control Board, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	901.54 70.98 35.49 82.34 96.53 79.50 218.04 28.39	43.16
08 71 11 00-2189	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	686.19	43.16
08 71 11 00-2190	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	424.59 70.98 35.49 96.53 79.50 218.04 28.39	43.16
08 71 11 00-2191	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	698.48 70.98 35.49 96.53 79.50 218.04 28.39	43.16
08 71 11 00-2192	EA	6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906) For Owner Furnished Material, Deduct	1,061.91 -946.82	43.73
08 71 11 00-2193	EA	4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS) For Owner Furnished Material, Deduct	1,067.63 -952.54	43.73
08 71 11 00-2194	EA	Request to Exit Push Pad Monitor Switch (RX)	245.44	28.77
08 71 11 00-2195	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin) Note: For Von Duprin Series 33A/35A/98/99 Exit Device	1,048.95	
08 71 11 00-2196		Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2105)		
08 71 11 00-2197	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	613.37 -498.28	28.77
08 71 11 00-2198	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	652.37 -537.28	28.77

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2199	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,072.99 -957.90	28.77
08 71 11 00-2200	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,052.35 -914.24	34.53
08 71 11 00-2201	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,091.34 -953.23	34.53
08 71 11 00-2202	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,176.92 -1,038.81	34.53
08 71 11 00-2203	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	998.91 -883.82	28.77
08 71 11 00-2204	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,044.84 -929.75	28.77
08 71 11 00-2205	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,137.94 -1,022.85	28.77
08 71 11 00-2206	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,547.01 -1,408.90	34.53
08 71 11 00-2207	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,592.94 -1,454.83	34.53
08 71 11 00-2208	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	3,036.23 -2,898.12	34.53
08 71 11 00-2209	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	127.28 -81.24	23.01
08 71 11 00-2210		Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 11 00-2105) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2211	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,414.24 260.69 300.00 395.17 430.34	129.47
08 71 11 00-2212	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	3,106.62 331.25 381.20 502.14 546.83	178.39
08 71 11 00-2213	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	3,400.17 368.24 423.77 558.21 607.89	178.39
08 71 11 00-2214	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	3,179.19 340.40 391.73 516.00 561.92	178.39
08 71 11 00-2215	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	3,464.08 376.29 433.04 570.41 621.18	178.39
08 71 11 00-2216	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,405.22 248.68 286.18 376.96 410.52	161.13
08 71 11 00-2217	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,596.95 272.84 313.98 413.58 450.39	161.13
08 71 11 00-2218	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	413.93 44.91 51.68 68.07 74.13	21.58



Openings		08	08
Hardware		08 70	
Door Hardware		08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2219	EA		Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	181.31 12.69 14.61 19.24 20.95	30.50
08 71 11 00-2220	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	692.01 77.04 88.66 116.79 127.18	30.50
08 71 11 00-2221	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	739.53 78.68 90.54 119.27 129.88	43.16
08 71 11 00-2222	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	606.87 61.96 71.31 93.93 102.29	43.16
08 71 11 00-2223	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	739.53 78.68 90.54 119.27 129.88	43.16
08 71 11 00-2224	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	854.35 93.15 107.19 141.20 153.77	43.16
08 71 11 00-2225			Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2105) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2226	EA		42" Crossbar, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,518.41 36.37 37.54 320.26	129.47
08 71 11 00-2227	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,777.31 44.39 45.82 390.94	129.47
08 71 11 00-2228	EA		42" Crossbar, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,967.69 48.15 49.71 424.06	155.38
08 71 11 00-2229	EA		42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,527.70 65.51 67.63 576.95	155.38
08 71 11 00-2230	EA		42" Crossbar, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,890.05 43.79 45.20 385.59	178.39
08 71 11 00-2231	EA		42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,399.28 59.57 61.49 524.61	178.39
08 71 11 00-2232	EA		42" Crossbar, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,034.76 49.70 51.30 437.67	161.13
08 71 11 00-2233	EA		42" Crossbar, Fire Rated, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,166.92 53.80 55.53 473.75	161.13
08 71 11 00-2234	EA		Dummy Trim (Von Duprin Series 88, DT) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	228.69 5.31 5.48 46.72	21.58

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2235	EA		Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	359.45 8.65 8.92 76.13	28.77
08 71 11 00-2236	EA		Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	641.54 16.32 16.85 143.72	43.16
08 71 11 00-2237	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	598.21 14.98 15.46 131.89	43.16
08 71 11 00-2238	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	443.81 10.19 10.52 89.74	43.16
08 71 11 00-2239	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	443.81 10.19 10.52 89.74	43.16
08 71 11 00-2240 Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 11 00-2105)					
Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.					
08 71 11 00-2241	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,204.81 13.87 -1,859.53	129.47
08 71 11 00-2242	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,332.58 13.87 -1,987.30	129.47
08 71 11 00-2243	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	3,038.86 13.87 -2,624.52	155.38
08 71 11 00-2244	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	3,166.63 13.87 -2,752.29	155.38
08 71 11 00-2245	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) For Owner Furnished Material, Deduct	267.98 -221.94	17.27
08 71 11 00-2246	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) For Owner Furnished Material, Deduct	731.74 -674.20	21.58
08 71 11 00-2247	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A) For Owner Furnished Material, Deduct	789.29 -674.20	43.16
08 71 11 00-2248	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) For Owner Furnished Material, Deduct	957.43 -842.34	43.16
08 71 11 00-2249	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) For Owner Furnished Material, Deduct	957.43 -842.34	43.16
08 71 11 00-2250	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A) For Owner Furnished Material, Deduct	957.43 -842.34	43.16
08 71 11 00-2251	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701) For Owner Furnished Material, Deduct	193.98 -147.94	17.27
08 71 11 00-2252	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A) For Owner Furnished Material, Deduct	424.07 -366.53	21.58
08 71 11 00-2253	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) For Owner Furnished Material, Deduct	447.10 -366.53	28.77
08 71 11 00-2254	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A) For Owner Furnished Material, Deduct	629.56 -514.47	43.16
08 71 11 00-2255	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) For Owner Furnished Material, Deduct	629.56 -514.47	43.16
08 71 11 00-2256 Door Closers (08 71 11)					
Note: Includes standard cover and arm.					
08 71 11 00-2257	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) For Delayed Action, Add For AVB (5 Lb. Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Parallel Arm, Add	506.10 12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	33.37
08 71 11 00-2258	EA		Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series) For Delayed Action, Add For AVB (5 Lb. Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	619.90 12.60 6.60 39.60 19.80 13.80 101.40 127.20	33.37



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2259	EA		Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	638.00	33.37
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
			For Spring Cush Arm, Add	67.20	
			For Parallel Arm And PA Shoe, Add	22.40	
			For Stainless Steel Finish, Add	145.00	
08 71 11 00-2260	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	660.64	33.37
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2261	EA		Surface Mounted Standard Duty Door Closer (Norton 8301)	420.86	33.37
			For Parallel Arm, Add	22.40	
08 71 11 00-2262	EA		Surface Mounted Standard Duty Door Closer (Norton 8501)	424.67	33.37
			For Parallel Arm, Add	22.40	
08 71 11 00-2263	EA		Screen Door - Closer	58.25	12.52
08 71 11 00-2264	EA		Screen Door - Locking Handle	63.22	17.97
08 71 11 00-2265			Concealed Door Closers (08 71 11)		
08 71 11 00-2266	EA		Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,425.97	98.98
08 71 11 00-2267	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,532.63	98.98
08 71 11 00-2268	EA		Concealed (In Door) Overhead Door Closer (LCN 3130)	732.44	40.28
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2269	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010)	794.84	40.28
			For Delayed Action, Add	12.60	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2270			Locks And Latches (08 71 11)		
			Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2271			Locksmith Services (08 71 11 00-2270)		
08 71 11 00-2272	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.19	
			For >50, Deduct	-0.44	
08 71 11 00-2273	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	138.17	
			For >5, Deduct	-13.82	
08 71 11 00-2274	EA		Removal And Replacement Of Cylinder With Owner Supplied Cylinder	138.17	
			For >5, Deduct	-13.82	
08 71 11 00-2275	EA		Removal And Replacement Of Cylinder With New Cylinder	161.51	
			Note: Excludes core.		
			For >5, Deduct	-13.82	
08 71 11 00-2276	EA		Open Locked Doors	138.17	
08 71 11 00-2277	EA		Install Owner Furnished Cores And Cylinders	57.96	
08 71 11 00-2278			Mortise Locksets And Latchsets (08 71 11 00-2270)		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2279	EA		Passage/Closet F01 Mortise Latchset	917.93	28.77
			Note: Both sides always unlocked.		
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	26.49	
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	24.09	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	40.14	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	283.40	
08 71 11 00-2280	EA		Bath/Bedroom Privacy F02/F19 Mortise Lockset	1,096.32	28.77
			Note: Locked with thumb knob inside.		
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	32.38	
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	29.44	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	49.06	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	346.37	
08 71 11 00-2281	EA		Entrance/Office F04 Mortise Lockset	1,222.49	28.77
			Note: Locked with key outside and thumb knob inside.		
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	36.54	
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	33.22	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	55.37	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	390.91	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2282	EA		Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Security Function (Double Cylinder) With Visual Indicator, Add	1,139.62 33.81 30.74 51.23 361.66 83.39	28.77
08 71 11 00-2283	EA		Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,139.62 33.81 30.74 51.23 361.66	28.77
08 71 11 00-2284	EA		Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,275.33 38.29 34.81 58.01 409.56	28.77
08 71 11 00-2285	EA		Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,095.08 32.34 29.40 49.00 345.94	28.77
08 71 11 00-2286 Locks And Latches (08 71 11 00-2270)					
08 71 11 00-2287 Preassembled Locks And Latches (08 71 11 00-2286)					
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.					
08 71 11 00-2288	EA		Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,100.31 60.42 100.70 710.94 374.60 -783.44	28.77
08 71 11 00-2289	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,276.39 65.70 109.50 773.09 407.35 -851.94	28.77
08 71 11 00-2290	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,592.10 75.17 125.29 884.54 466.08 -974.75	28.77
08 71 11 00-2291	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,592.10 75.17 125.29 884.54 466.08 -974.75	28.77
08 71 11 00-2292	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,592.10 75.17 125.29 884.54 466.08 -974.75	28.77
08 71 11 00-2293 Bored Locks And Latches (08 71 11 00-2286)					
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.					
08 71 11 00-2294	EA		Passage/Closet F75 Bored Latchset Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	302.50 5.62 9.37 66.16 34.86 -9.37 3.75 9.45	28.77



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2295	EA		Bath/Bedroom Privacy F76 Bored Lockset..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	347.19 6.96 11.61 81.93 43.17 -11.61 4.64 9.45	28.77
08 71 11 00-2296	EA		Entrance/Office F82 Bored Lockset..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	383.23 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	28.77
08 71 11 00-2297	EA		Classroom F84 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	383.23 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	28.77
08 71 11 00-2298	EA		Storeroom/Closet F86 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	383.23 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	28.77
08 71 11 00-2299	EA		Corridor/Dormitory F90 Bored Lockset..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	383.23 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	28.77
08 71 11 00-2300			Heavy-Duty Cylinder Lever Locksets (08 71 11 00-2286) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).		
08 71 11 00-2301	EA		Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	589.56	28.77
08 71 11 00-2302	EA		Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	636.18	28.77
08 71 11 00-2303	EA		Heavy-Duty Cylindrical, F82 Entrance Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	699.70	28.77
08 71 11 00-2304	EA		Heavy-Duty Cylindrical, F84 Classroom Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	699.70	28.77
08 71 11 00-2305	EA		Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	699.70	28.77
08 71 11 00-2306	EA		Heavy-Duty Cylindrical, F109 Entrance Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	699.70	28.77
08 71 11 00-2307	EA		Heavy-Duty Cylindrical Full Dummy Trim Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	551.45	28.77
08 71 11 00-2308			Extra Heavy-Duty Cylinder Lever Locksets (08 71 11 00-2286) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2309	EA		Extra Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	652.80	28.77
08 71 11 00-2310	EA		Extra Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	729.35	28.77
08 71 11 00-2311	EA		Extra Heavy-Duty Cylindrical, F82 Entrance Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	792.91	28.77
08 71 11 00-2312	EA		Extra Heavy-Duty Cylindrical, F84 Classroom Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	792.91	28.77
08 71 11 00-2313	EA		Extra Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	792.91	28.77
08 71 11 00-2314	EA		Extra Heavy-Duty Cylindrical, F109 Entrance Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	792.91	28.77
08 71 11 00-2315	EA		Extra Heavy-Duty Cylindrical, F87 Utility Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	856.46	28.77
08 71 11 00-2316	EA		Extra Heavy-Duty Cylindrical Full Dummy Trim Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	581.14	28.77

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2317		Occupancy Indicator Locks (08 71 11 00-2286)		
08 71 11 00-2318	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571).....	148.15	28.76
		Note: Standard finish is satin chrome		
		For Bright Brass Finish, Add	5.41	
		For Oil Rubbed Bronze Finish, Add	14.48	
		For Aged Bronze Finish, Add	5.41	
		For Satin Nickel Finish, Add	5.41	
08 71 11 00-2319	EA	Occupancy Indicator Lock And Lever (Vizilok C3F).....	224.58	28.76
		Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
		For Oil Rubbed Bronze Finish, Add	5.88	
08 71 11 00-2320		Other Locks (08 71 11 00-2270)		
		Note: BHMA A156.5.		
08 71 11 00-2321	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,019.20	149.62
08 71 11 00-2322	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....	2,334.24	299.24
08 71 11 00-2323	EA	Combination Lock, Security, CD-X09.....	4,150.26	86.94
08 71 11 00-2324	EA	Norden Box Lock	739.32	50.64
08 71 11 00-2325	EA	One Sided Deadbolt For Restroom Or Public Toilet.....	113.06	
		Note: No exterior plate.		
08 71 11 00-2326	EA	Firehose Extinguisher Cabinet Lock	100.10	
08 71 11 00-2327	EA	Single Door Magnetic Locking Device, Aluminum Finish, Time Delay (ROFU 8011-LC-TD-US28).....	1,105.08	72.50
08 71 11 00-2328	EA	Single Door Magnetic Locking Device, Brown Finish (ROFU 8011-LC-US40)	976.13	72.50
08 71 11 00-2329	EA	Single Door Magnetic Locking Device, Aluminum Finish (ROFU 8011-LC-US28).....	976.13	72.50
08 71 11 00-2330	EA	12 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-12)	2,032.19	92.08
08 71 11 00-2331	EA	24 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-24)	2,126.43	92.08
08 71 11 00-2332	EA	1,200 Lb. Electromagnetic Lock With Infrared Remote Release (PowerMag RRP1200PAK).....	1,087.85	72.50
08 71 11 00-2333	EA	Surface Mounted Aluminum Storefront Door Closer (Norton 1601BF AL)	361.19	33.37
08 71 11 00-2334	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8301-689).....	529.11	33.37
08 71 11 00-2335	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8301-689).....	738.01	33.37
08 71 11 00-2336	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8501-689).....	430.28	33.37
08 71 11 00-2337	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8501-689).....	703.20	33.37
08 71 11 00-2338	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Full Metal Cover (Norton 8501M-689).....	460.04	33.37
08 71 11 00-2339	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Architectural Plastic Cover (Norton 8501A- 689)	625.85	33.37
08 71 11 00-2340	EA	12 Button Industrial Electronic Cylindrical Lock With Key Override (Alarm Lock DL3000IC26D)	1,835.85	72.44
08 71 11 00-2341	EA	12 Button Industrial Electronic Cylindrical Lock With HID Proximity Cards, Key Override (Alarm Lock PDL3000IC26D)	2,498.45	72.44
08 71 11 00-2342	EA	12 Button Industrial Electronic Mortise Lock With Key Override (Alarm Lock DL3500CRL26D).....	2,061.35	72.44
08 71 11 00-2343	EA	3' General Security Chain With Green Vinyl Sleeve (Master Lock 73D)	12.30	
08 71 11 00-2344	EA	6' General Security Chain With Smoke Gray Vinyl Sleeve (Master Lock 74D).....	24.10	
08 71 11 00-2345	EA	Resettable Combination Lock With 1" Hardened Steel Shackle (Master Lock 175D).....	42.01	
08 71 11 00-2346	EA	2-1/8" Shrouded Iron Padlock (Master Lock 6521WO)	48.73	
08 71 11 00-2347	EA	2-5/8" Shrouded Iron Padlock (Master Lock 6527WO).....	68.07	
08 71 11 00-2348	EA	1 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W1).....	104.13	
08 71 11 00-2349	EA	15 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W15).....	143.41	
08 71 11 00-2350	EA	27 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W27).....	153.33	
08 71 11 00-2351	EA	Pin Tumbler Padlock, Red (American Lock A1105RED KD)	25.42	
08 71 11 00-2352	EA	Pin Tumbler Padlock, Red (American Lock A1106RED KD)	25.17	
08 71 11 00-2353	EA	6 Volt Battery (Alarm Lock BP6)	81.03	
08 71 11 00-2354	EA	6 Volt Battery (Alarm Lock S6061).....	103.22	
08 71 11 00-2355	EA	6 Volt Battery (Alarm Lock S6065).....	105.70	
08 71 11 00-2356	EA	Surface Mounted Door Alarm (Alarm Lock PG21MS).....	524.13	57.96
08 71 11 00-2357	EA	Alarm Lock Keypad (Alarm Lock DK3000 26D)	852.44	57.96
08 71 11 00-2358	EA	Removal And Replacement Of 2-3/8" Deadbolt (Lori Lock 4510 26D5001)	64.36	
08 71 11 00-2359		Pushbutton Combination Locks (08 71 11 00-2270)		
08 71 11 00-2360		Mechanical Pushbutton Combination Locks (08 71 11 00-2359)		
		Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2361		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2360)		
		Note: Satin chrome or antique brass finish.		
08 71 11 00-2362	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	850.51	72.44
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
		For Schlage Core, Add	50.61	
		For Fire Rated, Add	69.24	
08 71 11 00-2363	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series).....	916.48	72.44
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
		For Schlage Core, Add	50.61	
		For Fire Rated, Add	69.24	



Openings			08	08
Hardware			08 70	
Door Hardware			08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2364	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	942.86	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2365	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,008.83	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2366	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	962.65	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2367	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,028.62	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2368	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,055.01	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2369	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,120.98	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
			For Fire Rated, Add	69.24	
08 71 11 00-2370			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) (08 71 11 00-2360) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2371	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	946.82	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2372	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	999.60	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2373	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,105.14	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2374	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,144.73	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2375	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,144.73	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2376	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,078.76	72.44
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	50.61	
08 71 11 00-2377			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) (08 71 11 00-2360) Note: Satin chrome or antique brass finish.		
08 71 11 00-2378	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,153.96	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
08 71 11 00-2379	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,193.54	72.44
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	50.61	
08 71 11 00-2380			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) (08 71 11 00-2360) Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2381	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	471.85	72.44
			For Schlage Core, Add	50.61	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2382	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	646.01	72.44
			<i>For Schlage Core, Add</i>	50.61	
08 71 11 00-2383			Electrical Pushbutton Combination Locks (08 71 11 00-2359)		
			Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2384			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) (08 71 11 00-2383)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2385	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	883.49	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2386	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,041.82	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2387	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,081.40	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2388	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,015.43	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2389	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	949.46	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2390	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,081.40	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2391	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,107.78	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2392	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,147.36	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2393	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,081.40	72.44
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2394			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) (08 71 11 00-2383)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2395	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,147.36	72.44
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		
08 71 11 00-2396	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,147.36	72.44
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		
08 71 11 00-2397			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) (08 71 11 00-2383)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2398	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,351.86	72.44
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		
08 71 11 00-2399	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,351.86	72.44
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		
08 71 11 00-2400			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) (08 71 11 00-2383)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2401	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,457.41	72.44
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		
08 71 11 00-2402	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,589.35	72.44
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	99.47	
			Note: Excludes momentary contact switch.		



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
08 71 11 00-2403	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,615.74		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2404	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,655.32		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2405	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,589.35		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2406		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) (08 71 11 00-2383)			
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2407	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,084.11		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2408	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,216.05		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2409	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,242.43		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2410	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,282.01		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2411	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,216.05		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Remote Unlock, Add	99.47		
		Note: Excludes momentary contact switch.			
08 71 11 00-2412		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 11 00-2383)			
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2413	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,981.27		72.44
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	35.00		
08 71 11 00-2414		Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 11 00-2383)			
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2415	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,853.22		72.44
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
08 71 11 00-2416		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2383)			
08 71 11 00-2417	EA	Standard Software Implementation Kit (Kaba® E-Plex®).....	891.50		
08 71 11 00-2418	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®).....	1,155.37		
08 71 11 00-2419	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,551.18		
08 71 11 00-2420	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	452.35		
08 71 11 00-2421	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	139.81		
		Note: Includes 4 C-cell battery pack.			

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2422	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	167.51	
08 71 11 00-2423 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2383)					
Note: ANSI/BHMA Grade 1. Satin chrome finish.					
08 71 11 00-2424	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,114.38	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-824.60	
08 71 11 00-2425	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,272.70	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-982.92	
08 71 11 00-2426	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,312.28	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-1,022.50	
08 71 11 00-2427	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,246.32	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-956.54	
08 71 11 00-2428	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,180.35	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-890.57	
08 71 11 00-2429	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,312.28	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-1,022.50	
08 71 11 00-2430	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,338.67	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-1,048.89	
08 71 11 00-2431	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,378.25	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-1,088.47	
08 71 11 00-2432	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,312.28	72.44
			For Satin Brass Finish, Add	17.50	
			For Owner Furnished Material, Deduct	-1,022.50	
08 71 11 00-2433 Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2383)					
Note: ANSI/BHMA Grade 1. Satin chrome finish.					
08 71 11 00-2434	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,066.10	71.93
			For Owner Furnished Material, Deduct	-778.37	
08 71 11 00-2435	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,240.84	71.93
			For Owner Furnished Material, Deduct	-953.11	
08 71 11 00-2436	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,405.36	71.93
			For Owner Furnished Material, Deduct	-1,117.63	
08 71 11 00-2437	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,847.87	71.93
			For Owner Furnished Material, Deduct	-1,560.14	
08 71 11 00-2438	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,023.74	71.93
			For Owner Furnished Material, Deduct	-1,736.01	
08 71 11 00-2439	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,230.25	71.93
			For Owner Furnished Material, Deduct	-1,942.52	
08 71 11 00-2440	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,046.44	71.93
			For Owner Furnished Material, Deduct	-1,758.71	
08 71 11 00-2441 Residential Locks And Latchsets (08 71 11 00-2270)					
08 71 11 00-2442	EA		Residential Entry Lockset With Knobs (Master Keyed)	86.61	17.39
08 71 11 00-2443	EA		Residential Privacy Lockset With Knobs	84.69	17.39
08 71 11 00-2444	EA		Residential Passage Lockset With Knobs	84.44	17.39
08 71 11 00-2445	EA		Residential Dummy Lockset With Knobs	66.78	14.49
08 71 11 00-2446	EA		Residential Entry Lockset With Levers (Master Keyed)	99.86	17.39
08 71 11 00-2447	EA		Residential Privacy Lockset With Levers	95.46	17.39
08 71 11 00-2448	EA		Residential Passage Lockset With Levers	92.28	17.39
08 71 11 00-2449	EA		Residential Dummy Lockset With Levers	68.30	14.49
08 71 11 00-2450 Deadbolts (08 71 11 00-2270)					
08 71 11 00-2451 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2450)					
Note: 2-3/8" or 2-3/4" backset.					



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2452	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side..... Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	211.20 4.20	28.77
08 71 11 00-2453	EA		Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	242.73 4.20	28.77
08 71 11 00-2454 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2450)					
Note: 2-3/8" or 2-3/4" backset.					
08 71 11 00-2455	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	189.59 4.20	28.77
08 71 11 00-2456	EA		Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	224.05 4.20	28.77
08 71 11 00-2457 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2450)					
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.					
08 71 11 00-2458	EA		Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	273.92	28.77
08 71 11 00-2459	EA		Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	303.11	28.77
08 71 11 00-2460	EA		Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	268.08	28.77
08 71 11 00-2461 Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2450)					
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.					
08 71 11 00-2462	EA		Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	353.33	28.77
08 71 11 00-2463	EA		Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	401.21	28.77
08 71 11 00-2464	EA		Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	312.45	28.77
08 71 11 00-2465 Surface Mounted Deadbolts (08 71 11 00-2450)					
08 71 11 00-2466	EA		Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	142.55 10.50	28.77
08 71 11 00-2467	EA		Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	163.65 10.50	28.77
08 71 11 00-2468	EA		Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	180.43 10.50	28.77
08 71 11 00-2469	EA		Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	201.53 10.50	28.77
08 71 11 00-2470 Surface Mounted Deadlatches (08 71 11 00-2270)					
08 71 11 00-2471	EA		Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	144.20 10.50	28.77
08 71 11 00-2472	EA		Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	180.50 10.50	28.77
08 71 11 00-2473 Electric Strikes (08 71 11 00-2270)					
08 71 11 00-2474	EA		12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	383.99	57.54
08 71 11 00-2475	EA		12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)..... Note: For rim mounted lock	1,164.85	57.54
08 71 11 00-2476	EA		12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)..... Note: For rim mounted lock	1,112.01	57.54
08 71 11 00-2477	EA		24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)..... Note: For mortise or cylindrical locks	852.39	57.54
08 71 11 00-2478	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)..... Note: For mortise or cylindrical locks	1,170.48	57.54
08 71 11 00-2479	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)..... Note: For mortise or cylindrical locks	1,147.56	57.54
08 71 11 00-2480	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)..... Note: For mortise or cylindrical locks	1,253.34	57.54
08 71 11 00-2481	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)..... Note: For mortise or cylindrical locks	1,165.81	57.54
08 71 11 00-2482	EA		12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006).....	565.66	57.54
08 71 11 00-2483	EA		12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	704.04	57.54

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2484 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	335.35	57.54
08 71 11 00-2485 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	335.35	57.54
08 71 11 00-2486 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	435.49	57.54
08 71 11 00-2487 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	789.68	57.54
08 71 11 00-2488 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	381.73	57.54
08 71 11 00-2489 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	724.26	57.54
08 71 11 00-2490 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	637.92	57.54
08 71 11 00-2491 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	755.22	75.96
08 71 11 00-2492 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	862.91	75.96
08 71 11 00-2493 EA 12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	755.79	75.96

08 71 11 00-2494 Electric Hardware (08 71 11 00-2270)

08 71 11 00-2495 EA Electrified Cylindrical Lock Option	212.46	
Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.		
08 71 11 00-2496 EA Electrified Mortise Lock Option	248.45	
Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.		
08 71 11 00-2497 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	125.55	28.77
08 71 11 00-2498 EA 1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	414.94	28.77
08 71 11 00-2499 EA 3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	733.68	28.77
08 71 11 00-2500 EA 4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,133.78	28.77
08 71 11 00-2501 EA 6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,253.76	28.77
08 71 11 00-2502 EA 9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,500.51	28.77
08 71 11 00-2503 EA 15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,823.93	28.77
08 71 11 00-2504 EA 18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	104.60	28.77
08 71 11 00-2505 EA 24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	107.07	28.77
08 71 11 00-2506 EA 30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	122.23	28.77
08 71 11 00-2507 EA 45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	125.24	28.77
08 71 11 00-2508 EA 60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	126.77	28.77
08 71 11 00-2509 EA 72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	135.47	28.77
08 71 11 00-2510 EA 12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	106.16	28.77
08 71 11 00-2511 EA 18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	118.32	28.77
08 71 11 00-2512 EA 36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	127.94	28.77
08 71 11 00-2513 EA 49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	144.58	28.77
08 71 11 00-2514 EA 60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	149.19	28.77
08 71 11 00-2515 EA 12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	121.36	28.77
08 71 11 00-2516 EA 18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	138.38	28.77
08 71 11 00-2517 EA 18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	80.93	28.77
08 71 11 00-2518 EA 24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	94.10	28.77
08 71 11 00-2519 EA 30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	101.06	28.77
08 71 11 00-2520 EA 36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	108.51	28.77
08 71 11 00-2521 EA 60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	147.29	28.77
08 71 11 00-2522 EA 72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	163.48	28.77
08 71 11 00-2523 EA 12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	86.31	28.77
08 71 11 00-2524 EA 18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	91.39	28.77
08 71 11 00-2525 EA 24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	106.50	28.77
08 71 11 00-2526 EA 36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	130.56	28.77
08 71 11 00-2527 EA 48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	152.07	28.77
08 71 11 00-2528 EA 60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	187.41	28.77
08 71 11 00-2529 EA 12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	94.77	28.77
08 71 11 00-2530 EA 18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	102.56	28.77
08 71 11 00-2531 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	776.70	28.77
08 71 11 00-2532 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	842.14	40.28

08 71 11 00-2533 Magnetic Locks (08 71 11 00-2270)

08 71 11 00-2534 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	870.03	138.11
08 71 11 00-2535 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,049.30	155.38
08 71 11 00-2536 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,029.88	138.11
08 71 11 00-2537 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,208.83	155.38
08 71 11 00-2538 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	1,075.21	149.62
08 71 11 00-2539 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	1,184.84	149.62
08 71 11 00-2540 EA Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,270.19	149.62
08 71 11 00-2541 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	1,391.07	172.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2542 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,536.81	172.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2543 EA Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P).....	1,602.46	172.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2544 EA 2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	476.98	57.54
08 71 11 00-2545 EA 4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	804.40	57.54
08 71 11 00-2546 EA 6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	974.57	57.54

08 71 11 00-2547 Door Coordinators (08 71 11)



		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2548	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	506.37 -145.00	35.97
08 71 11 00-2549	EA		42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	531.94 -152.93	37.41
08 71 11 00-2550	EA		52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	544.38 -155.60	38.84
08 71 11 00-2551	EA		60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	568.16 -162.81	40.28
08 71 11 00-2552	EA		72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	609.70 -177.13	41.72
08 71 11 00-2553	EA		Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20") <i>For Anodized Aluminum Finish, Deduct</i>	118.03 -28.80	11.51
08 71 11 00-2554	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32") <i>For Anodized Aluminum Finish, Deduct</i>	129.89 -31.24	12.95
08 71 11 00-2555	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44") <i>For Anodized Aluminum Finish, Deduct</i>	149.42 -36.75	14.39
08 71 11 00-2556	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	108.72	14.39
08 71 11 00-2557	EA		7" Projection COR Series Gravity Type Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i>	160.57 -29.70	21.58
08 71 11 00-2558	EA		9" Projection COR Series Gravity Type Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i>	172.45 -34.45	21.58
08 71 11 00-2559 Removal And Reinstallation Of Door Hardware (08 71 11)					
Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.					
08 71 11 00-2560	EA		Removal And Reinstallation Of Door Lockset, Entrance	86.32	
08 71 11 00-2561	EA		Removal And Reinstallation Of Door Lockset, Mortise	138.10	
08 71 11 00-2562	EA		Removal And Reinstallation Of Deadbolt Lock	92.08	
08 71 11 00-2563	PR		Removal And Reinstallation Of Butts/Hinges	23.01	
08 71 11 00-2564	EA		Removal And Reinstallation Of Door Bumper	8.05	
08 71 11 00-2565	EA		Removal And Reinstallation Of Surface Mounted Panic Device	230.19	
08 71 11 00-2566	EA		Removal And Reinstallation Of Kick Plate	28.77	
08 71 11 00-2567	EA		Removal And Reinstallation Of Push Plate	23.01	
08 71 11 00-2568	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	115.09	
08 71 11 00-2569	EA		Removal And Reinstallation Of Door Handles	17.27	
08 71 11 00-2570 Electromagnetic Door Release (08 71 11)					
08 71 11 00-2571	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	618.96	72.50
08 71 11 00-2572	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	602.88	72.50
08 71 11 00-2573	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	683.95	72.50
08 71 11 00-2574	EA		24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,162.53	72.50
08 71 11 00-2575	EA		24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,119.86	72.50
08 71 11 00-2576	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,119.86	72.50
08 71 11 00-2577	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,015.48	72.50
08 71 11 00-2578	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,279.39	72.50
08 71 11 00-2579	EA		Photo Electric Smoke Detector Suitable For Door Holder Release	1,209.06	72.50
08 71 11 00-2580	EA		Ionization Type Smoke Detector Suitable For Door Holder Release	1,506.15	72.50
08 71 11 00-2581	EA		Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	699.21	72.50
08 71 11 00-2582	EA		Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	686.74	72.50
08 71 11 00-2583	EA		Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,076.52	72.50
08 71 11 00-2584	EA		Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	739.07	72.50
08 71 11 00-2585	EA		Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	739.07	72.50
08 71 11 00-2586	EA		Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	739.07	72.50
08 71 13 Automatic Door Operators (08 71)					
08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)					
08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131)	3,478.22	143.86
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142)	3,478.22	143.86
08 71 13 00-0004	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153)	6,840.23	230.19
08 71 13 00-0005	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531)	4,366.90	143.86
Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.					

08 Openings
08 70 Hardware
08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,366.90	143.86
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553).....	7,509.26	230.19
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563).....	8,847.31	230.19
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805).....	71.20	
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K).....	391.49	
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813).....	943.62	
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818).....	207.71	
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T).....	859.43	
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852).....	288.39	
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866).....	1,018.01	
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX).....	111.89	
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607).....	143.14	
08 71 13 00-0018 Automatic Door Operators (Stanley) (08 71 13)				
08 71 13 00-0019	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	4,210.01	143.86
08 71 13 00-0020	EA	6" Round Stainless Steel Actuator (Stanley CL2216).....	269.71	
08 71 13 00-0021	EA	Power Supply (Stanley Precision ELR151).....	940.78	
08 71 13 00-0022	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990)..... Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,286.14	115.09
08 71 13 00-0023	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247)..... Note: Includes mounting post only	517.95	76.76
08 71 13 00-0024	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388)..... Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	362.55	45.87
08 71 13 00-0025	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055)..... Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	229.92	45.87
08 71 13 00-0026	EA	Touchless Plate Door Operator (Stanley CL2025)..... Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	358.00	45.87
08 71 13 00-0027	EA	Door Operator Push Plate Assembly (Stanley CL4976)..... Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,201.95	68.86
08 71 13 00-0028 Miscellaneous Devices (08 71 13)				
08 71 13 00-0029	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....	623.53	43.16
08 71 13 00-0030	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....	180.26	25.89
08 71 13 00-0031	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....	231.65	25.89
08 71 13 00-0032	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	125.70	25.89
08 71 53 Security Door Hardware (08 71)				
08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)				
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	399.77	43.16
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	558.18	43.16
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	467.44	43.16
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	607.54	43.16
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	703.57	57.54
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)..... Note: For use with Detex EAX exit alarms.	122.75	57.54
08 72 Weatherstripping, Thresholds and Seals (08 70)				
08 72 33 Weatherstripping and Seals (08 72)				
08 72 33 00-0001 Weather-Stripping And Seals (08 72 33)				
08 72 33 00-0002		Astragals (08 72 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003 Adhesive Backed Astragals (08 72 33 00-0002)				
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	4.72	0.87
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	5.26	0.87
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	4.04	0.87
08 72 33 00-0007 Overlapping Astragals (08 72 33 00-0002)				
08 72 33 00-0008 Aluminum, Overlapping Astragals (08 72 33 00-0007)				
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)..... For Color Anodized Finish, Add	19.07 2.65	5.17



		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0010			Stainless Steel, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	37.92	5.17
08 72 33 00-0012			"T" Astragals (08 72 33 00-0002)		
08 72 33 00-0013			Aluminum, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	12.61	5.17
			For Color Anodized Finish, Add	0.83	
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	15.71	5.17
			For Color Anodized Finish, Add	1.10	
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	16.20	5.17
			For Color Anodized Finish, Add	2.09	
			For Silicone Insert, Add	0.63	
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	29.48	5.17
			For Color Anodized Finish, Add	6.74	
08 72 33 00-0018	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS)	91.80	5.17
08 72 33 00-0019	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS)	20.04	5.17
08 72 33 00-0020	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS)	23.44	5.17
08 72 33 00-0021			Brass/Bronze, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0022	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	38.64	5.17
			For Silicone Insert, Add	0.63	
08 72 33 00-0023			Locking Astragals (08 72 33 00-0002)		
08 72 33 00-0024			Outswing Locking Astragals (08 72 33 00-0023)		
			Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0025			Aluminum, Outswing Locking Astragals (08 72 33 00-0024)		
08 72 33 00-0026	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	39.25	5.17
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	5.80	
08 72 33 00-0027	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	45.47	5.17
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	7.05	
08 72 33 00-0028	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	43.97	5.17
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.02	
08 72 33 00-0029	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	49.02	5.17
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.33	
08 72 33 00-0030			Inswing Locking Astragals (08 72 33 00-0023)		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0031			Wood, Inswing Locking Astragals (08 72 33 00-0030)		
08 72 33 00-0032	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	45.86	5.17
08 72 33 00-0033	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	45.63	5.17
			Note: Includes kerf-in foam seal.		
08 72 33 00-0034			Aluminum, Inswing Locking Astragals (08 72 33 00-0030)		
08 72 33 00-0035	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	26.21	5.17
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	3.20	
08 72 33 00-0036	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	31.41	5.17
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	4.24	
08 72 33 00-0037	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	28.18	5.17
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	3.59	
08 72 33 00-0038	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	33.33	5.17
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	4.62	
08 72 33 00-0039			Security Astragals (08 72 33 00-0002)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0040	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	24.48	5.17
		<i>For Color Anodized Finish, Add</i>	14.25	
08 72 33 00-0041	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	40.85	5.17
08 72 33 00-0042		Meeting Stile Astragals (08 72 33 00-0002)		
08 72 33 00-0043		One Piece, Meeting Stile Astragals (08 72 33 00-0042)		
		Note: Includes an astragal for one door only.		
08 72 33 00-0044	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	15.53	5.17
		<i>For Color Anodized Finish, Add</i>	1.59	
08 72 33 00-0045	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	24.21	7.71
		<i>For Color Anodized Finish, Add</i>	3.54	
08 72 33 00-0046	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	31.90	7.71
		<i>For Color Anodized Finish, Add</i>	1.65	
08 72 33 00-0047	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	32.88	7.71
		<i>For Color Anodized Finish, Add</i>	4.38	
08 72 33 00-0048	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	28.18	7.71
08 72 33 00-0049		Two Piece, Meeting Stile Split Astragals (08 72 33 00-0042)		
		Note: Includes one astragal for each door.		
08 72 33 00-0050	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	19.44	7.71
		<i>For Silicone Insert, Add</i>	0.95	
		<i>For Color Anodized Finish, Add</i>	4.07	
08 72 33 00-0051	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	19.44	7.71
		<i>For Color Anodized Finish, Add</i>	4.07	
08 72 33 00-0052	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	19.44	7.71
		<i>For Silicone Insert, Add</i>	0.95	
		<i>For Color Anodized Finish, Add</i>	4.07	
08 72 33 00-0053	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	30.22	7.71
		<i>For Silicone Insert, Add</i>	0.63	
		<i>For Color Anodized Finish, Add</i>	2.97	
08 72 33 00-0054	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	24.91	7.71
		<i>For Color Anodized Finish, Add</i>	3.82	
08 72 33 00-0055	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	25.62	7.71
		<i>For Color Anodized Finish, Add</i>	4.10	
08 72 33 00-0056	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	30.92	7.71
		<i>For Color Anodized Finish, Add</i>	7.78	
		<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0057	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	31.63	7.71
		<i>For Color Anodized Finish, Add</i>	6.50	
08 72 33 00-0058	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	32.34	7.71
		<i>For Color Anodized Finish, Add</i>	6.79	
08 72 33 00-0059		Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0042)		
		Note: Includes one astragal for each door.		
08 72 33 00-0060		Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	57.44	7.71
		<i>For Color Anodized Finish, Add</i>	10.52	
		<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	58.55	7.71
		<i>For Silicone Insert, Add</i>	0.63	
		<i>For Color Anodized Finish, Add</i>	8.64	
08 72 33 00-0063		Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)		
08 72 33 00-0064	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	111.59	7.71
		<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0065	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	104.86	7.71
		<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0066		Door Sweeps (08 72 33 00-0001)		
08 72 33 00-0067		Tack On Door Sweeps (08 72 33 00-0066)		



		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0068	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	7.00	2.88
08 72 33 00-0069	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	7.11	2.88
08 72 33 00-0070	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	7.42	2.88
08 72 33 00-0071		Aluminum Retainer Door Sweeps (08 72 33 00-0066)		
08 72 33 00-0072		35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	16.63	5.76
		For Color Anodized Finish, Add	2.05	
08 72 33 00-0074	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	17.16	5.76
		For Color Anodized Finish, Add	1.98	
08 72 33 00-0075		45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0076	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	25.64	5.76
		For Color Anodized Finish, Add	5.66	
08 72 33 00-0077	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	27.76	5.76
		For Color Anodized Finish, Add	6.50	
08 72 33 00-0078	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	32.36	5.76
		For Color Anodized Finish, Add	8.34	
08 72 33 00-0079		90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0080	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	18.39	5.76
		For Color Anodized Finish, Add	0.69	
08 72 33 00-0081	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	18.22	5.76
		For Color Anodized Finish, Add	0.67	
08 72 33 00-0082	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	19.45	5.76
		For Color Anodized Finish, Add	2.78	
08 72 33 00-0083	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	19.98	5.76
		For Color Anodized Finish, Add	3.39	
08 72 33 00-0084	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	17.86	5.76
		For Color Anodized Finish, Add	1.59	
08 72 33 00-0085	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	22.81	5.76
		For Color Anodized Finish, Add	2.26	
08 72 33 00-0086	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	18.92	5.76
		For Color Anodized Finish, Add	1.48	
08 72 33 00-0087	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	14.28	5.76
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	1.39	
08 72 33 00-0088	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	14.42	5.76
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	1.46	
08 72 33 00-0089	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	15.92	5.76
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	1.55	
08 72 33 00-0090		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0091		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0090)		
08 72 33 00-0092	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	16.27	5.76
		For Color Anodized Finish, Add	1.91	
08 72 33 00-0093	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	16.63	5.76
		For Color Anodized Finish, Add	2.05	
08 72 33 00-0094	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	19.45	5.76
		For Color Anodized Finish, Add	2.78	
08 72 33 00-0095		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00- 0090)		
08 72 33 00-0096	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	19.63	5.76
		For Color Anodized Finish, Add	3.25	
08 72 33 00-0097	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	19.98	5.76
		For Color Anodized Finish, Add	3.39	
08 72 33 00-0098	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	21.47	5.76
		For Color Anodized Finish, Add	3.99	
08 72 33 00-0099		Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0100	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	14.68	5.76
08 72 33 00-0101	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	14.68	5.76
08 72 33 00-0102	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	14.86	5.76

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0103		Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0066)		
08 72 33 00-0104		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0103) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0105	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV).....	14.33	5.76
		For Color Anodized Finish, Add	1.98	
08 72 33 00-0106	LF	1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV)	17.14	5.76
08 72 33 00-0107	LF	1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV).....	17.50	5.76
08 72 33 00-0108	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	16.63	5.76
		For Color Anodized Finish, Add	2.05	
08 72 33 00-0109	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)	18.35	5.76
		Note: Includes clear anodized finish.		
		For Color Anodized Finish, Add	1.37	
08 72 33 00-0110	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	18.66	5.76
		For Color Anodized Finish, Add	1.43	
08 72 33 00-0111		Brass/Bronze Retainer Door Sweeps (08 72 33 00-0066)		
08 72 33 00-0112		90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0111) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0113	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	22.10	5.76
08 72 33 00-0114		Oak Retainer Door Sweeps (08 72 33 00-0066)		
08 72 33 00-0115		90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0114) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0116	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	18.04	5.76
08 72 33 00-0117	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	20.83	5.76
08 72 33 00-0118		Door Shoes And Bottoms (08 72 33 00-0001)		
08 72 33 00-0119		Door Shoes (08 72 33 00-0118)		
08 72 33 00-0120		Aluminum Retainer Door Shoes (08 72 33 00-0119)		
08 72 33 00-0121		Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0122	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	15.74	5.76
		For Color Anodized Finish, Add	1.70	
		For Thermo-Plastic Elastomer Insert, Add	0.68	
08 72 33 00-0123	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	16.27	5.76
		For Color Anodized Finish, Add	1.91	
08 72 33 00-0124	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	21.40	5.76
		For Color Anodized Finish, Add	1.98	
08 72 33 00-0125		Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0126	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	18.04	5.76
		For Color Anodized Finish, Add	2.62	
		For Thermo-Plastic Elastomer Insert, Add	0.68	
08 72 33 00-0127		L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0128	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	16.63	5.76
		For Color Anodized Finish, Add	2.57	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0129	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	17.69	5.76
		For Color Anodized Finish, Add	2.48	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	18.04	5.76
		For Color Anodized Finish, Add	2.62	
		For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0131	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	25.23	5.76
		For Color Anodized Finish, Add	2.75	
08 72 33 00-0132	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	25.58	5.76
		For Color Anodized Finish, Add	2.82	
08 72 33 00-0133	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK)	23.70	5.76
08 72 33 00-0134	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK)	29.86	5.76
08 72 33 00-0135	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK).....	21.64	5.76
08 72 33 00-0136	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK).....	29.91	5.76
08 72 33 00-0137		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0138	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	16.98	5.76
		For Color Anodized Finish, Add	2.74	
		For Thermo-Plastic Elastomer Insert, Add	0.42	



		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0139	LF		Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	18.04 2.62 0.42	5.76
08 72 33 00-0140	LF		Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	18.22 2.69 0.42	5.76
08 72 33 00-0141			Vinyl Door Shoes (08 72 33 00-0119)		
08 72 33 00-0142	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	20.44	5.76
08 72 33 00-0143	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	24.46	5.76
08 72 33 00-0144			Door Bottoms (08 72 33 00-0118)		
08 72 33 00-0145			Automatic Door Bottoms (08 72 33 00-0144)		
08 72 33 00-0146			Aluminum Automatic Door Bottoms (08 72 33 00-0145)		
08 72 33 00-0147	LF		Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL) <i>For Color Anodized Finish, Add</i>	34.78 4.66	5.76
08 72 33 00-0148	LF		Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)..... <i>For Color Anodized Finish, Add</i>	49.35 7.57	5.76
08 72 33 00-0149			Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0150	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	13.08 1.06	4.60
08 72 33 00-0151	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	13.08 1.06	4.60
08 72 33 00-0152	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C) <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	18.33 2.50	4.60
08 72 33 00-0153	EA		For 20 Oz Copper Drip Cap For Exterior Door.....	66.33	
08 72 33 00-0154			Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0155			Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0156	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) <i>For Intumescent Seal, Add</i>	4.13 1.50	2.88
08 72 33 00-0157	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) <i>For Intumescent Seal, Add</i>	4.18 1.50	2.88
08 72 33 00-0158	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.12	2.88
08 72 33 00-0159	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	4.51	2.88
08 72 33 00-0160	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) <i>For Intumescent Seal, Add</i>	5.88 1.50	2.88
08 72 33 00-0161	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773) <i>For Intumescent Seal, Add</i>	5.47 1.50	2.88
08 72 33 00-0162	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	7.17	2.88
08 72 33 00-0163	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	6.64	2.88
08 72 33 00-0164			Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0165	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.70	2.88
08 72 33 00-0166	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.43	2.88
08 72 33 00-0167	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.12	2.88
08 72 33 00-0168	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.07	2.88
08 72 33 00-0169	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	5.25	2.88
08 72 33 00-0170			Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0171			Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)		
08 72 33 00-0172	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	7.60	2.88
08 72 33 00-0173	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	7.60	2.88
08 72 33 00-0174	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	7.97	2.88
08 72 33 00-0175	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	8.04	2.88
08 72 33 00-0176			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)		
08 72 33 00-0177	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	7.40	2.88
08 72 33 00-0178	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	7.97	2.88
08 72 33 00-0179	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.58	2.88
08 72 33 00-0180			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0181			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0180)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0182	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	7.79	2.88
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	2.03	
08 72 33 00-0183	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	7.79	2.88
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	2.03	
08 72 33 00-0184	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	7.79	2.88
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	2.03	
08 72 33 00-0185	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	13.18	2.88
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	1.48	
08 72 33 00-0186	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	13.54	2.88
			For Color Anodized Finish, Add	3.89	
			For Silicone Insert, Add	0.95	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	13.54	2.88
			For Color Anodized Finish, Add	2.72	
08 72 33 00-0188			Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0180)		
08 72 33 00-0189			Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	12.92	2.88
			For Silicone Insert, Add	0.95	
08 72 33 00-0191			Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0189)		
08 72 33 00-0192	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	14.32	2.88
08 72 33 00-0193			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0194			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0193)		
08 72 33 00-0195	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	16.79	2.88
			For Silicone Insert, Add	1.58	
08 72 33 00-0196	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	26.67	2.88
08 72 33 00-0197			Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0193)		
08 72 33 00-0198			Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0197)		
08 72 33 00-0199	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	23.38	2.88
			For Silicone Insert, Add	0.63	
08 72 33 00-0200			Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0201	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	18.82	5.76
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			For Color Anodized Finish, Add	2.93	
08 72 33 00-0202	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	19.44	5.76
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			For Color Anodized Finish, Add	3.18	
08 72 33 00-0203			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0204	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	23.18	2.88
			For Color Anodized Finish, Add	3.48	
08 72 33 00-0205	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	24.42	2.88
			For Color Anodized Finish, Add	3.73	
08 72 33 00-0206			Perimeter Gasketing Weather-Strip Applied To Header (08 72 33 00-0154)		



Openings			08
Hardware			08 70
Weatherstripping, Thresholds and Seals			08 72

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0207	LF		1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS).....	19.00	5.76
08 72 43 Thresholds (08 72)					
08 72 43 00-0001			Thresholds (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002			Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003			Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004			Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005			3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006	LF		2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)..... For Color Anodized Finish, Add	29.72 2.69	9.21
08 72 43 00-0007			1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008	LF		3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)..... For Color Anodized Finish, Add	32.72 3.89	9.21
08 72 43 00-0009	LF		4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)..... For Color Anodized Finish, Add	38.30 6.68	11.50
08 72 43 00-0010	LF		5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)..... For Color Anodized Finish, Add	41.68 6.46	11.50
08 72 43 00-0011	LF		6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)..... For Color Anodized Finish, Add	45.73 5.94	11.50
08 72 43 00-0012	LF		7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)..... For Color Anodized Finish, Add	51.74 5.75	11.50
08 72 43 00-0013	LF		8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)..... For Color Anodized Finish, Add	62.09 6.89	13.81
08 72 43 00-0014	LF		9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)..... For Color Anodized Finish, Add	66.16 7.91	13.81
08 72 43 00-0015	LF		10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)..... For Color Anodized Finish, Add	72.64 9.53	13.81
08 72 43 00-0016			5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017	LF		2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)..... For Color Anodized Finish, Add	32.20 3.22	9.21
08 72 43 00-0018			1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019	LF		3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)..... For Color Anodized Finish, Add	32.38 4.69	9.21
08 72 43 00-0020	LF		4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)..... For Color Anodized Finish, Add	39.72 7.67	11.50
08 72 43 00-0021	LF		5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)..... For Color Anodized Finish, Add	43.16 7.20	11.50
08 72 43 00-0022	LF		6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)..... For Color Anodized Finish, Add	46.08 6.06	11.50
08 72 43 00-0023	LF		7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)..... For Color Anodized Finish, Add	51.74 5.75	11.50
08 72 43 00-0024	LF		8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)..... For Color Anodized Finish, Add	64.21 10.39	13.81
08 72 43 00-0025	LF		9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)..... For Color Anodized Finish, Add	67.93 13.36	13.81
08 72 43 00-0026	LF		10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)..... For Color Anodized Finish, Add	71.64 14.85	13.81
08 72 43 00-0027			Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028			3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0029	LF		2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	53.01	9.21
08 72 43 00-0030			1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0031	LF		3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	75.95	9.21
08 72 43 00-0032	LF		4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	92.28	11.50
08 72 43 00-0033	LF		5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	108.17	11.50
08 72 43 00-0034	LF		6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	123.61	11.50
08 72 43 00-0035	LF		7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	141.25	11.50
08 72 43 00-0036	LF		8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	180.10	13.81
08 72 43 00-0037			1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0038	LF		4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	99.34	11.50
08 72 43 00-0039	LF		5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	116.99	11.50
08 72 43 00-0040	LF		6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	134.63	11.50
08 72 43 00-0041	LF		7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	156.69	11.50

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	219.07	13.81
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	208.95	13.81
08 72 43 00-0044		Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	86.11	11.50
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	90.52	11.50
08 72 43 00-0048		Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049		Aluminum Half Saddle Thresholds (08 72 43 00-0048) Note: Includes mill finish.		
08 72 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	46.49	11.50
		For Color Anodized Finish, Add	7.09	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	59.34	11.50
		For Color Anodized Finish, Add	3.06	
08 72 43 00-0053		Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054		Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	46.61	11.50
		For Color Anodized Finish, Add	8.93	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	51.21	11.50
		For Color Anodized Finish, Add	7.86	
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	46.61	11.50
		For Color Anodized Finish, Add	8.93	
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	52.97	11.50
		For Color Anodized Finish, Add	8.47	
08 72 43 00-0062		Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	48.61	11.50
		For Non-Slip Surfacing, Add	76.83	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	60.38	12.66
		For Non-Slip Surfacing, Add	98.20	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	76.47	14.38
		For Non-Slip Surfacing, Add	133.59	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	96.60	14.95
		For Non-Slip Surfacing, Add	180.06	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	112.20	16.11
		For Non-Slip Surfacing, Add	239.97	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	138.60	17.83
		For Non-Slip Surfacing, Add	267.64	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	154.54	19.56
		For Non-Slip Surfacing, Add	300.09	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	163.91	20.71
		For Non-Slip Surfacing, Add	306.23	
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	81.36	14.38
		For Non-Slip Surfacing, Add	142.02	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	95.14	14.95
		For Non-Slip Surfacing, Add	176.12	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	118.74	17.26
		For Non-Slip Surfacing, Add	218.97	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	139.19	18.41
		For Non-Slip Surfacing, Add	266.19	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	159.59	19.56
		For Non-Slip Surfacing, Add	313.22	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	174.36	20.71
		For Non-Slip Surfacing, Add	345.64	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	212.98	21.86
		For Non-Slip Surfacing, Add	440.10	



		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 72 43 00-0080	7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)			
08 72 43 00-0081	LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA).....	93.92		15.53
	For Non-Slip Surfacing, Add	175.98		
08 72 43 00-0082	LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA).....	110.01		17.26
	For Non-Slip Surfacing, Add	211.37		
08 72 43 00-0083	LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA).....	131.28		18.41
	For Non-Slip Surfacing, Add	255.07		
08 72 43 00-0084	LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA).....	146.89		19.56
	For Non-Slip Surfacing, Add	290.98		
08 72 43 00-0085	LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA).....	172.14		20.71
	For Non-Slip Surfacing, Add	339.87		
08 72 43 00-0086	LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA).....	186.91		21.86
	For Non-Slip Surfacing, Add	372.32		
08 72 43 00-0087	LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA).....	215.29		23.00
	For Non-Slip Surfacing, Add	423.18		
08 72 43 00-0088	Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0062)			
08 72 43 00-0089	Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)			
08 72 43 00-0090	PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	218.76		14.38
	For Non-Slip Surfacing, Add	22.80		
08 72 43 00-0091	PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	335.12		14.38
	For Non-Slip Surfacing, Add	36.76		
08 72 43 00-0092	PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	661.82		20.14
	For Non-Slip Surfacing, Add	74.59		
08 72 43 00-0093	Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)			
08 72 43 00-0094	PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	218.76		14.38
	For Non-Slip Surfacing, Add	22.80		
08 72 43 00-0095	PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	335.12		14.38
	For Non-Slip Surfacing, Add	36.76		
08 72 43 00-0096	PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	661.82		20.14
	For Non-Slip Surfacing, Add	74.59		
08 72 43 00-0097	Latching Panic Exit Saddle Thresholds (08 72 43 00-0001)			
	Note: Includes vinyl or pile seal.			
08 72 43 00-0098	Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)			
	Note: Includes mill finish.			
08 72 43 00-0099	Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)			
08 72 43 00-0100	7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)			
08 72 43 00-0101	LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP).....	55.80		11.50
	For Color Anodized Finish, Add	9.46		
	For Thermoseal, Add	0.63		
08 72 43 00-0102	LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP).....	46.79		11.50
	For Color Anodized Finish, Add	9.02		
	For Thermoseal, Add	0.63		
08 72 43 00-0103	LF 6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP).....	61.46		11.50
	For Color Anodized Finish, Add	11.45		
	For Thermoseal, Add	0.63		
08 72 43 00-0104	LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP).....	63.93		11.50
	For Color Anodized Finish, Add	12.31		
	For Thermoseal, Add	0.63		
08 72 43 00-0105	1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)			
08 72 43 00-0106	LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP).....	44.67		11.50
	For Color Anodized Finish, Add	7.96		
	For Thermoseal, Add	0.63		
08 72 43 00-0107	LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP).....	47.14		11.50
	For Color Anodized Finish, Add	9.19		
	For Thermoseal, Add	0.63		
08 72 43 00-0108	Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)			
08 72 43 00-0109	7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)			
08 72 43 00-0110	LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP).....	49.79		11.50
	For Color Anodized Finish, Add	8.41		
	For Thermoseal, Add	0.63		
08 72 43 00-0111	LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP).....	52.09		11.50
	For Color Anodized Finish, Add	9.33		
	For Thermoseal, Add	0.63		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	55.45	11.50
		For Color Anodized Finish, Add	9.34	
		For Thermoseal, Add	0.63	
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	59.25	11.50
		For Color Anodized Finish, Add	10.67	
		For Thermoseal, Add	0.63	
08 72 43 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	135.52	11.50
		For Thermoseal, Add	0.63	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	126.69	11.50
		For Thermoseal, Add	0.63	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	176.10	11.50
		For Thermoseal, Add	0.63	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	158.99	11.50
		For Thermoseal, Add	0.63	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	133.58	11.50
		For Thermoseal, Add	0.63	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	142.28	12.66
		For Thermoseal, Add	0.63	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	148.37	12.66
		For Thermoseal, Add	0.63	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	181.28	12.66
		For Thermoseal, Add	0.63	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	167.61	13.23
		For Thermoseal, Add	0.63	
08 72 43 00-0129		Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	33.78	9.21
		For Color Anodized Finish, Add	4.31	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	27.56	8.05
		For Color Anodized Finish, Add	2.60	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	42.02	9.21
		For Color Anodized Finish, Add	5.30	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	49.44	9.21
		For Color Anodized Finish, Add	8.27	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	25.27	8.05
		For Color Anodized Finish, Add	1.28	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	27.56	8.05
		For Color Anodized Finish, Add	2.23	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	42.55	11.50
		For Color Anodized Finish, Add	5.52	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	44.67	11.50
		For Color Anodized Finish, Add	4.77	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		



		Openings	08
		Hardware	08 70
		Weatherstripping, Thresholds and Seals	08 72

08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	76.91	9.21
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	96.57	8.05
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	92.73	11.50
08 72 43 00-0149		Vinyl Transition Thresholds (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	40.26	9.21
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	40.26	9.21
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	43.45	11.50
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	46.32	11.50
08 72 43 00-0158		Residential Thresholds (08 72 43 00-0001)		
08 72 43 00-0159		Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	17.62	5.76
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	18.21	5.76
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	24.30	6.12
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	24.72	6.35
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	36.95	6.53
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	20.86	5.76
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	25.25	6.35
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	45.93	6.35
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	20.92	5.76
		For Color Anodized Finish, Add	2.62	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	24.36	6.35
		For Color Anodized Finish, Add	3.39	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	25.78	6.35
		For Color Anodized Finish, Add	3.96	
08 72 43 00-0173		Interlocking Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	45.14	6.53
		For Color Anodized Finish, Add	8.64	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	30.32	6.12
		For Color Anodized Finish, Add	4.51	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	27.72	6.35
		For Color Anodized Finish, Add	5.92	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	32.06	6.53
		For Color Anodized Finish, Add	4.72	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	34.89	6.53
		For Color Anodized Finish, Add	9.28	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0173)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 72 43 00-0184	1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)				
08 72 43 00-0185	LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	97.94		6.53	
08 72 43 00-0186	5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)				
08 72 43 00-0187	LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	75.43		6.35	
08 72 43 00-0188	7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)				
08 72 43 00-0189	LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	100.15		6.53	
08 72 43 00-0190	LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	140.32		6.72	
08 72 43 00-0191	Residential Door Sills (08 72 43 00-0001)				
08 72 43 00-0192	Fixed Aluminum Residential Door Sills (08 72 43 00-0191)				
08 72 43 00-0193	LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	26.40		6.53	
	For Color Anodized Finish, Add	5.04			
08 72 43 00-0194	LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	28.26		6.72	
	For Color Anodized Finish, Add	4.58			
08 72 43 00-0195	Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0191)				
08 72 43 00-0196	LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	37.20		6.53	
	For Color Anodized Finish, Add	7.30			
08 72 43 00-0197	LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	38.19		6.72	
	For Color Anodized Finish, Add	7.49			
08 72 43 00-0198	Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)				
08 72 43 00-0199	LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	37.59		6.35	
	For Color Anodized Finish, Add	7.60			
08 72 43 00-0200	LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	38.05		6.53	
	For Color Anodized Finish, Add	5.43			
08 72 43 00-0201	LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	39.69		6.72	
	For Color Anodized Finish, Add	5.72			
08 72 43 00-0202	Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)				
08 72 43 00-0203	LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A).....	15.92		5.76	
	For Color Anodized Finish, Add	3.09			
08 72 43 00-0204	LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A).....	17.33		5.76	
	For Color Anodized Finish, Add	2.92			
08 72 43 00-0205	LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A).....	18.75		5.76	
	For Color Anodized Finish, Add	1.81			
08 72 43 00-0206	Stone Thresholds (08 72 43 00-0001)				
08 72 43 00-0207	Marble Thresholds (08 72 43 00-0206)				
08 72 43 00-0208	LF 2" Width, 5/8" Height, Plain Marble Threshold.....	20.65		8.14	
08 72 43 00-0209	LF 4" Width, 5/8" Height, Plain Marble Threshold.....	22.53		8.14	
08 72 43 00-0210	LF 6" Width, 5/8" Height, Plain Marble Threshold.....	25.05		8.14	
08 72 43 00-0211	LF 4" Width, 7/8" Height, Plain Marble Threshold.....	30.74		8.14	
08 72 43 00-0212	LF 6" Width, 7/8" Height, Plain Marble Threshold.....	37.39		8.14	
08 72 43 00-0213	Corian Thresholds (08 72 43 00-0206)				
08 72 43 00-0214	LF Up To 5-3/4" Width, Corian Threshold.....	93.26		9.55	
08 75 Window Hardware (08 70)					
08 75 13 Automatic Window Equipment (08 75)					
08 75 13 00-0001	Window Opener Electric, With 1/2 HP Motor (08 75 13)				
08 75 13 00-0002	EA Gym Window Electronic Opener.....	2,113.43		245.15	
08 78 Special Function Hardware (08 70)					
08 78 00 00-0001	Pad Locks (08 78)				
08 78 00 00-0002	EA Combination Padlock.....	19.38		5.76	
08 78 00 00-0003	EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	39.55		5.76	
08 78 00 00-0004	EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	36.82		5.76	
08 78 00 00-0005	EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	40.21		5.76	
08 78 00 00-0006	EA Commercial U-Bar Lock.....	48.04		5.76	



Openings		08	08
Hardware		08 70	
Special Function Hardware		08 78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	40.89	5.76
08 78 00 00-0008	EA		High Security Padlocks.....	37.27	5.76
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	21.37	5.76

08 79 Hardware Accessories (08 79)

08 79 13 Key Storage Equipment (08 79)

08 79 13 00-0001 Key Cabinet (08 79 13)

08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)

08 79 13 00-0003	EA		Wall Mounted Key Cabinet, Up To 30 Keys.....	486.15	20.71
08 79 13 00-0004	EA		Wall Mounted Key Cabinet, Up To 60 Keys.....	656.80	23.00
08 79 13 00-0005	EA		Wall Mounted Key Cabinet, Up To 240 Keys.....	1,476.35	34.52
08 79 13 00-0006	EA		Wall Mounted Key Cabinet, Up To 1,200 Keys.....	3,811.14	46.02
08 79 13 00-0007	EA		Drawer Type Key Cabinet, Up To 600 Keys.....	4,069.35	30.49
08 79 13 00-0008	EA		Drawer Type Key Cabinet, Up To 2,400 Keys.....	9,199.20	23.00
08 79 13 00-0009	EA		Tray Type Key Cabinet, Up To 20 Keys.....	204.37	9.21
08 79 13 00-0010	EA		Tray Type Key Cabinet, Up To 50 Keys.....	291.60	11.50

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)

08 79 13 00-0012	EA		Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	278.34	17.27
08 79 13 00-0013	EA		Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	315.53	17.27
08 79 13 00-0014	EA		Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	58.69	
			Note: Including Storage And Cleaning		
08 79 13 00-0015	EA		Relocate Heavy-Duty Key Box, With Combo Lock Door.....	132.35	
			Note: Including Storage And Cleaning		

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	8.74	
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.79	
		For Tinted Glass, Add	2.19	
		For Reflective Coated Glass, Add	3.93	
		For Low-E Coated Glass, Add	2.19	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	9.37	
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.56	
		For >400, Deduct	-0.84	
		For Tinted Glass, Add	2.34	
		For Reflective Coated Glass, Add	4.22	
		For Low-E Coated Glass, Add	2.34	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	11.36	
		For >50 To 200, Deduct	-0.34	
		For >200 To 400, Deduct	-0.68	
		For >400, Deduct	-1.02	
		For Tinted Glass, Add	2.84	
		For Reflective Coated Glass, Add	5.11	
		For Low-E Coated Glass, Add	2.84	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass.....	18.89	
		For >50 To 200, Deduct	-0.57	
		For >200 To 400, Deduct	-1.13	
		For >400, Deduct	-1.70	
		For Tinted Glass, Add	4.72	
		For Reflective Coated Glass, Add	8.50	
		For Low-E Coated Glass, Add	4.72	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass.....	27.48	
		For >50 To 200, Deduct	-0.82	
		For >200 To 400, Deduct	-1.65	
		For >400, Deduct	-2.47	
		For Tinted Glass, Add	6.87	
		For Reflective Coated Glass, Add	12.37	
		For Low-E Coated Glass, Add	6.87	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0008	SF		1/2" Thick, Clear Float Factory Installed Glass	30.20	
			For >50 To 200, Deduct	-0.91	
			For >200 To 400, Deduct	-1.81	
			For >400, Deduct	-2.72	
			For Tinted Glass, Add	7.55	
			For Reflective Coated Glass, Add	13.59	
			For Low-E Coated Glass, Add	7.55	
08 81 23 13-0009	SF		5/8" Thick, Clear Float Factory Installed Glass	36.13	
			For >50 To 200, Deduct	-1.08	
			For >200 To 400, Deduct	-2.17	
			For >400, Deduct	-3.25	
			For Tinted Glass, Add	9.03	
			For Reflective Coated Glass, Add	16.26	
			For Low-E Coated Glass, Add	9.03	
08 81 23 13-0010	SF		3/4" Thick, Clear Float Factory Installed Glass	44.63	
			For >50 To 200, Deduct	-1.34	
			For >200 To 400, Deduct	-2.68	
			For >400, Deduct	-4.02	
			For Tinted Glass, Add	11.16	
			For Reflective Coated Glass, Add	20.08	
			For Low-E Coated Glass, Add	11.16	
08 81 23 13-0011			Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012			Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF		1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.01	
			For >50 To 200, Deduct	-0.39	
			For >200 To 400, Deduct	-0.78	
			For >400, Deduct	-1.17	
			For Tinted Glass, Add	3.25	
			For Reflective Coated Glass, Add	5.85	
			For Low-E Coated Glass, Add	3.25	
08 81 23 13-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass	13.90	
			For >50 To 200, Deduct	-0.42	
			For >200 To 400, Deduct	-0.83	
			For >400, Deduct	-1.25	
			For Tinted Glass, Add	3.48	
			For Reflective Coated Glass, Add	6.26	
			For Low-E Coated Glass, Add	3.48	
08 81 23 13-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass	16.91	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.01	
			For >400, Deduct	-1.52	
			For Tinted Glass, Add	4.23	
			For Reflective Coated Glass, Add	7.61	
			For Low-E Coated Glass, Add	4.23	
08 81 23 13-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.15	
			For >50 To 200, Deduct	-0.84	
			For >200 To 400, Deduct	-1.69	
			For >400, Deduct	-2.53	
			For Tinted Glass, Add	7.04	
			For Reflective Coated Glass, Add	12.67	
			For Low-E Coated Glass, Add	7.04	
08 81 23 13-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass	40.91	
			For >50 To 200, Deduct	-1.23	
			For >200 To 400, Deduct	-2.45	
			For >400, Deduct	-3.68	
			For Tinted Glass, Add	10.23	
			For Reflective Coated Glass, Add	18.41	
			For Low-E Coated Glass, Add	10.23	
08 81 23 13-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass	44.94	
			For >50 To 200, Deduct	-1.35	
			For >200 To 400, Deduct	-2.70	
			For >400, Deduct	-4.04	
			For Tinted Glass, Add	11.24	
			For Reflective Coated Glass, Add	20.22	
			For Low-E Coated Glass, Add	11.24	
08 81 23 13-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass	53.77	
			For >50 To 200, Deduct	-1.61	
			For >200 To 400, Deduct	-3.23	
			For >400, Deduct	-4.84	
			For Tinted Glass, Add	13.44	
			For Reflective Coated Glass, Add	24.20	
			For Low-E Coated Glass, Add	13.44	
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass	66.42	
			For >50 To 200, Deduct	-1.99	
			For >200 To 400, Deduct	-3.99	
			For >400, Deduct	-5.98	
			For Tinted Glass, Add	16.61	
			For Reflective Coated Glass, Add	29.89	
			For Low-E Coated Glass, Add	16.61	

08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)



Openings		08	08
Glazing		08 80	
Glass Glazing		08 81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0022		Rough Obscure, Factory Installed Glass (08 81 23 13-0021) Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	71.08	
08 81 23 13-0024		Patterned, Figured Factory Installed Glass (08 81 23 13-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0027		Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0031		Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	122.17	
08 81 23 13-0033		Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034		Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	56.50	
		For >50 To 200, Deduct	-1.70	
		For >200 To 400, Deduct	-3.39	
		For >400, Deduct	-5.09	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	74.14	
		For >50 To 200, Deduct	-2.22	
		For >200 To 400, Deduct	-4.45	
		For >400, Deduct	-6.67	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	93.71	
		For >50 To 200, Deduct	-2.81	
		For >200 To 400, Deduct	-5.62	
		For >400, Deduct	-8.43	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	140.08	
		For >50 To 200, Deduct	-4.20	
		For >200 To 400, Deduct	-8.40	
		For >400, Deduct	-12.61	
08 81 23 13-0039		Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040		Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	53.66	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	106.83	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	165.10	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	218.52	
08 81 23 13-0045		Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	35.44	
		For >50 To 200, Deduct	-1.06	
		For >200 To 400, Deduct	-2.13	
		For >400, Deduct	-3.19	
		For Tinted Glass, Add	7.09	
		For Reflective Coated Glass, Add	10.63	
		For Low-E Coated Glass, Add	8.86	
		For One Piece Heat Strengthened Glass, Add	7.09	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	7.09	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	44.24	
		For >50 To 200, Deduct	-1.33	
		For >200 To 400, Deduct	-2.65	
		For >400, Deduct	-3.98	
		For Tinted Glass, Add	8.85	
		For Reflective Coated Glass, Add	13.27	
		For Low-E Coated Glass, Add	11.06	
		For One Piece Heat Strengthened Glass, Add	8.85	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	8.85	
		Note: Double UOM if applied for both interior and exterior glazing		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	51.11	
For >50 To 200, Deduct	-1.53	
For >200 To 400, Deduct	-3.07	
For >400, Deduct	-4.60	
For Tinted Glass, Add	10.22	
For Reflective Coated Glass, Add	15.33	
For Low-E Coated Glass, Add	12.78	
For One Piece Heat Strengthened Glass, Add	10.22	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	10.22	
Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050 Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051 Insulated, Factory Installed Glass (08 81 23 13-0050)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052 3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053 SF 3/8" Thick, Insulated Factory Installed Glass	21.80	
Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.65	
For >200 To 400, Deduct	-1.31	
For >400, Deduct	-1.96	
For Tinted Glass, Add	3.27	
For Reflective Coated Glass, Add	6.54	
For Low-E Coated Glass, Add	5.45	
For One Piece Heat Strengthened Glass, Add	4.36	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	4.36	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Obscure Glass, Add	9.27	
Note: Double UOM if applied for both interior and exterior glazing		
For Argon Gas, Add	3.00	
08 81 23 13-0054 SF 1/2" Thick, Insulated Factory Installed Glass	23.82	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.71	
For >200 To 400, Deduct	-1.43	
For >400, Deduct	-2.14	
For Tinted Glass, Add	3.57	
For Reflective Coated Glass, Add	7.15	
For Low-E Coated Glass, Add	5.96	
For One Piece Heat Strengthened Glass, Add	4.76	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	4.76	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Obscure Glass, Add	10.12	
Note: Double UOM if applied for both interior and exterior glazing		
For Argon Gas, Add	3.28	
08 81 23 13-0055 SF 9/16" Thick, Insulated Factory Installed Glass	23.86	
Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.43	
For >400, Deduct	-2.15	
For Tinted Glass, Add	3.58	
For Reflective Coated Glass, Add	7.16	
For Low-E Coated Glass, Add	5.97	
For One Piece Heat Strengthened Glass, Add	4.77	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	4.77	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Obscure Glass, Add	10.14	
Note: Double UOM if applied for both interior and exterior glazing		
For Argon Gas, Add	3.28	
08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057 SF 7/16" Thick, Insulated Factory Installed Glass	22.44	
Note: Two 3/32" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.67	
For >200 To 400, Deduct	-1.35	
For >400, Deduct	-2.02	
For Tinted Glass, Add	3.37	
For Reflective Coated Glass, Add	6.73	
For Low-E Coated Glass, Add	5.61	
For One Piece Heat Strengthened Glass, Add	4.49	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	4.49	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Obscure Glass, Add	9.54	
Note: Double UOM if applied for both interior and exterior glazing		
For Argon Gas, Add	3.09	



		Openings	08	08
		Glazing	08 80	
		Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	23.82	
			For >50 To 200, Deduct	-0.71	
			For >200 To 400, Deduct	-1.43	
			For >400, Deduct	-2.14	
			For Tinted Glass, Add	3.57	
			For Reflective Coated Glass, Add	7.15	
			For Low-E Coated Glass, Add	5.96	
			For One Piece Heat Strengthened Glass, Add	4.76	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	4.76	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.12	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.28	
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	24.09	
			For >50 To 200, Deduct	-0.72	
			For >200 To 400, Deduct	-1.45	
			For >400, Deduct	-2.17	
			For Tinted Glass, Add	3.61	
			For Reflective Coated Glass, Add	7.23	
			For Low-E Coated Glass, Add	6.02	
			For One Piece Heat Strengthened Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.24	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.31	
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	24.09	
			For >50 To 200, Deduct	-0.72	
			For >200 To 400, Deduct	-1.45	
			For >400, Deduct	-2.17	
			For Tinted Glass, Add	3.61	
			For Reflective Coated Glass, Add	7.23	
			For Low-E Coated Glass, Add	6.02	
			For One Piece Heat Strengthened Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.24	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.31	
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	27.54	
			For >50 To 200, Deduct	-0.83	
			For >200 To 400, Deduct	-1.65	
			For >400, Deduct	-2.48	
			For Tinted Glass, Add	4.13	
			For Reflective Coated Glass, Add	8.26	
			For Low-E Coated Glass, Add	6.89	
			For One Piece Heat Strengthened Glass, Add	5.51	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.51	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	11.70	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.79	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	24.09	
			For >50 To 200, Deduct	-0.72	
			For >200 To 400, Deduct	-1.45	
			For >400, Deduct	-2.17	
			For Tinted Glass, Add	3.61	
			For Reflective Coated Glass, Add	7.23	
			For Low-E Coated Glass, Add	6.02	
			For One Piece Heat Strengthened Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	4.82	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.24	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.31	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064	SF		3/4" Thick, Insulated Factory Installed Glass	25.24	
			Note: Two 3/16" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.76	
			For >200 To 400, Deduct	-1.51	
			For >400, Deduct	-2.27	
			For Tinted Glass, Add	3.79	
			For Reflective Coated Glass, Add	7.57	
			For Low-E Coated Glass, Add	6.31	
			For One Piece Heat Strengthened Glass, Add	5.05	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.05	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.73	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.47	
08 81 23 13-0065	SF		7/8" Thick, Insulated Factory Installed Glass	27.99	
			Note: Two 1/4" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.84	
			For >200 To 400, Deduct	-1.68	
			For >400, Deduct	-2.52	
			For Tinted Glass, Add	4.20	
			For Reflective Coated Glass, Add	8.40	
			For Low-E Coated Glass, Add	7.00	
			For One Piece Heat Strengthened Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	11.90	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.85	
08 81 23 13-0066	SF		1" Thick, Insulated Factory Installed Glass	31.62	
			Note: Two 5/16" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.95	
			For >200 To 400, Deduct	-1.90	
			For >400, Deduct	-2.85	
			For Tinted Glass, Add	4.74	
			For Reflective Coated Glass, Add	9.49	
			For Low-E Coated Glass, Add	7.91	
			For One Piece Heat Strengthened Glass, Add	6.32	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	6.32	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	13.44	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	4.35	
08 81 23 13-0067			1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0061)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF		3/4" Thick, Insulated Factory Installed Glass	25.24	
			Note: Two 1/8" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.76	
			For >200 To 400, Deduct	-1.51	
			For >400, Deduct	-2.27	
			For Tinted Glass, Add	3.79	
			For Reflective Coated Glass, Add	7.57	
			For Low-E Coated Glass, Add	6.31	
			For One Piece Heat Strengthened Glass, Add	5.05	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.05	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	10.73	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.47	
08 81 23 13-0069	SF		7/8" Thick, Insulated Factory Installed Glass	27.99	
			Note: Two 3/16" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.84	
			For >200 To 400, Deduct	-1.68	
			For >400, Deduct	-2.52	
			For Tinted Glass, Add	4.20	
			For Reflective Coated Glass, Add	8.40	
			For Low-E Coated Glass, Add	7.00	
			For One Piece Heat Strengthened Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	11.90	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.85	



Openings			08	08
Glazing			08 80	
Glass Glazing			08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0070	SF		7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	27.99	
			For >50 To 200, Deduct	-0.84	
			For >200 To 400, Deduct	-1.68	
			For >400, Deduct	-2.52	
			For Tinted Glass, Add	4.20	
			For Reflective Coated Glass, Add	8.40	
			For Low-E Coated Glass, Add	7.00	
			For One Piece Heat Strengthened Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	11.90	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.85	
08 81 23 13-0071	SF		1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	30.61	
			For >50 To 200, Deduct	-0.92	
			For >200 To 400, Deduct	-1.84	
			For >400, Deduct	-2.75	
			For Tinted Glass, Add	4.59	
			For Reflective Coated Glass, Add	9.18	
			For Low-E Coated Glass, Add	7.65	
			For One Piece Heat Strengthened Glass, Add	6.12	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	6.12	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	13.01	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	4.21	
08 81 23 13-0072			Laminated Insulated Glass, Factory Installed Glass (08 81 23 13-0050)	85.72	
08 81 23 13-0073	SF		1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	85.72	
			For >50 To 200, Deduct	-2.57	
			For >200 To 400, Deduct	-5.14	
			For >400, Deduct	-7.71	
			For Tinted Glass, Add	12.86	
			For Reflective Coated Glass, Add	25.72	
			For Low-E Coated Glass, Add	21.43	
			For Argon Gas, Add	11.79	
08 81 23 13-0074	SF		1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	104.08	
			For >50 To 200, Deduct	-3.12	
			For >200 To 400, Deduct	-6.24	
			For >400, Deduct	-9.37	
			For Tinted Glass, Add	15.61	
			For Reflective Coated Glass, Add	31.22	
			For Low-E Coated Glass, Add	26.02	
			For Argon Gas, Add	14.31	
08 81 23 13-0075	SF		1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	122.44	
			For >50 To 200, Deduct	-3.67	
			For >200 To 400, Deduct	-7.35	
			For >400, Deduct	-11.02	
			For Tinted Glass, Add	18.37	
			For Reflective Coated Glass, Add	36.73	
			For Low-E Coated Glass, Add	30.61	
			For Argon Gas, Add	16.84	
08 81 23 23			Field Installed Glass Glazing (08 81 23)		
			Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 81 23 23-0001			Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0002			Clear Float Field Installed Glass (08 81 23 23-0001)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Clear Float Field Installed Glass For >50 To 200, Deduct	24.27	
			For >200 To 400, Deduct	-1.66	
			For >400, Deduct	-3.01	
			For Glass Removal And Preparing Opening For New Glazing, Add	-4.05	
			For Tinted Glass, Add	11.65	
			For Reflective Coated Glass, Add	2.19	
			For Low-E Coated Glass, Add	3.93	
				2.19	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0004	SF		3/16" Thick, Clear Float Field Installed Glass	26.09	
			For >50 To 200, Deduct	-1.79	
			For >200 To 400, Deduct	-3.24	
			For >400, Deduct	-4.35	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.54	
			For Tinted Glass, Add	2.34	
			For Reflective Coated Glass, Add	4.22	
			For Low-E Coated Glass, Add	2.34	
08 81 23 23-0005	SF		1/4" Thick, Clear Float Field Installed Glass	29.27	
			For >50 To 200, Deduct	-1.95	
			For >200 To 400, Deduct	-3.55	
			For >400, Deduct	-4.78	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
			For Tinted Glass, Add	2.84	
			For Reflective Coated Glass, Add	5.11	
			For Low-E Coated Glass, Add	2.84	
08 81 23 23-0006	SF		5/16" Thick, Clear Float Field Installed Glass	39.19	
			For >50 To 200, Deduct	-2.39	
			For >200 To 400, Deduct	-4.38	
			For >400, Deduct	-5.96	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.23	
			For Tinted Glass, Add	4.72	
			For Reflective Coated Glass, Add	8.50	
			For Low-E Coated Glass, Add	4.72	
08 81 23 23-0007	SF		3/8" Thick, Clear Float Field Installed Glass	50.16	
			For >50 To 200, Deduct	-2.87	
			For >200 To 400, Deduct	-5.28	
			For >400, Deduct	-7.24	
			For Glass Removal And Preparing Opening For New Glazing, Add	17.01	
			For Tinted Glass, Add	6.87	
			For Reflective Coated Glass, Add	12.37	
			For Low-E Coated Glass, Add	6.87	
08 81 23 23-0008	SF		1/2" Thick, Clear Float Field Installed Glass	55.28	
			For >50 To 200, Deduct	-3.16	
			For >200 To 400, Deduct	-5.82	
			For >400, Deduct	-7.98	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	7.55	
			For Reflective Coated Glass, Add	13.59	
			For Low-E Coated Glass, Add	7.55	
08 81 23 23-0009	SF		5/8" Thick, Clear Float Field Installed Glass	67.17	
			For >50 To 200, Deduct	-3.88	
			For >200 To 400, Deduct	-7.13	
			For >400, Deduct	-9.77	
			For Glass Removal And Preparing Opening For New Glazing, Add	23.28	
			For Tinted Glass, Add	9.03	
			For Reflective Coated Glass, Add	16.26	
			For Low-E Coated Glass, Add	9.03	
08 81 23 23-0010	SF		3/4" Thick, Clear Float Field Installed Glass	81.65	
			For >50 To 200, Deduct	-4.67	
			For >200 To 400, Deduct	-8.60	
			For >400, Deduct	-11.79	
			For Glass Removal And Preparing Opening For New Glazing, Add	27.77	
			For Tinted Glass, Add	11.16	
			For Reflective Coated Glass, Add	20.08	
			For Low-E Coated Glass, Add	11.16	
08 81 23 23-0011			Heat Treated Field Installed Glass (08 81 23 23)		
08 81 23 23-0012			Tempered, Clear Float Field Installed Glass (08 81 23 23-0011)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass	28.54	
			For >50 To 200, Deduct	-1.79	
			For >200 To 400, Deduct	-3.27	
			For >400, Deduct	-4.43	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.65	
			For Tinted Glass, Add	3.25	
			For Reflective Coated Glass, Add	5.85	
			For Low-E Coated Glass, Add	3.25	
08 81 23 23-0014	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass	30.62	
			For >50 To 200, Deduct	-1.92	
			For >200 To 400, Deduct	-3.51	
			For >400, Deduct	-4.76	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.54	
			For Tinted Glass, Add	3.48	
			For Reflective Coated Glass, Add	6.26	
			For Low-E Coated Glass, Add	3.48	
08 81 23 23-0015	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass	34.82	
			For >50 To 200, Deduct	-2.12	
			For >200 To 400, Deduct	-3.88	
			For >400, Deduct	-5.28	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
			For Tinted Glass, Add	4.23	
			For Reflective Coated Glass, Add	7.61	
			For Low-E Coated Glass, Add	4.23	



		Openings	08	08
		Glazing	08 80	
		Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0016	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass.....	48.45	
			For >50 To 200, Deduct	-2.67	
			For >200 To 400, Deduct	-4.94	
			For >400, Deduct	-6.80	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.23	
			For Tinted Glass, Add	7.04	
			For Reflective Coated Glass, Add	12.67	
			For Low-E Coated Glass, Add	7.04	
08 81 23 23-0017	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass.....	63.59	
			For >50 To 200, Deduct	-3.27	
			For >200 To 400, Deduct	-6.08	
			For >400, Deduct	-8.44	
			For Glass Removal And Preparing Opening For New Glazing, Add	17.01	
			For Tinted Glass, Add	10.23	
			For Reflective Coated Glass, Add	18.41	
			For Low-E Coated Glass, Add	10.23	
08 81 23 23-0018	SF		1/2" Thick, Tempered, Clear Float Field Installed Glass.....	70.02	
			For >50 To 200, Deduct	-3.61	
			For >200 To 400, Deduct	-6.71	
			For >400, Deduct	-9.31	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	11.24	
			For Reflective Coated Glass, Add	20.22	
			For Low-E Coated Glass, Add	11.24	
08 81 23 23-0019	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass.....	84.81	
			For >50 To 200, Deduct	-4.41	
			For >200 To 400, Deduct	-8.19	
			For >400, Deduct	-11.36	
			For Glass Removal And Preparing Opening For New Glazing, Add	23.28	
			For Tinted Glass, Add	13.44	
			For Reflective Coated Glass, Add	24.20	
			For Low-E Coated Glass, Add	13.44	
08 81 23 23-0020	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass.....	103.44	
			For >50 To 200, Deduct	-5.32	
			For >200 To 400, Deduct	-9.91	
			For >400, Deduct	-13.75	
			For Glass Removal And Preparing Opening For New Glazing, Add	27.77	
			For Tinted Glass, Add	16.61	
			For Reflective Coated Glass, Add	29.89	
			For Low-E Coated Glass, Add	16.61	
08 81 23 23-0021			Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022			Rough Obscure Field Installed Glass (08 81 23 23-0021)		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass.....	88.99	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
08 81 23 23-0024			Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass.....	58.71	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.65	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass.....	60.49	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.98	
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass.....	129.67	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	129.67	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass.....	140.08	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass.....	72.03	
			For >50 To 200, Deduct	-3.09	
			For >200 To 400, Deduct	-5.87	
			For >400, Deduct	-8.35	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.65	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass.....	90.86	
For >50 To 200, Deduct	-3.73	
For >200 To 400, Deduct	-7.12	
For >400, Deduct	-10.18	
For Glass Removal And Preparing Opening For New Glazing, Add	12.54	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass.....	111.62	
For >50 To 200, Deduct	-4.42	
For >200 To 400, Deduct	-8.49	
For >400, Deduct	-12.20	
For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass.....	162.76	
For >50 To 200, Deduct	-6.24	
For >200 To 400, Deduct	-12.03	
For >400, Deduct	-17.37	
For Glass Removal And Preparing Opening For New Glazing, Add	17.01	
08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041 SF 20 Minute, Fire Rated Field Installed Glass.....	71.57	
For Glass Removal And Preparing Opening For New Glazing, Add	14.33	
08 81 23 23-0042 SF 45 Minute, Fire Rated Field Installed Glass.....	124.74	
For Glass Removal And Preparing Opening For New Glazing, Add	14.33	
08 81 23 23-0043 SF 60 Minute, Fire Rated Field Installed Glass.....	183.01	
For Glass Removal And Preparing Opening For New Glazing, Add	14.33	
08 81 23 23-0044 SF 90 Minute, Fire Rated Field Installed Glass.....	236.43	
For Glass Removal And Preparing Opening For New Glazing, Add	14.33	
08 81 23 23-0045 Laminated Field Installed Glass (08 81 23 23)		
08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	53.35	
For >50 To 200, Deduct	-2.68	
For >200 To 400, Deduct	-4.99	
For >400, Deduct	-6.95	
For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
For Tinted Glass, Add	7.09	
For Reflective Coated Glass, Add	10.63	
For Low-E Coated Glass, Add	8.86	
For One Piece Heat Strengthened Glass, Add	7.09	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	7.09	
Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	66.92	
For >50 To 200, Deduct	-3.37	
For >200 To 400, Deduct	-6.28	
For >400, Deduct	-8.74	
For Glass Removal And Preparing Opening For New Glazing, Add	17.01	
For Tinted Glass, Add	8.85	
For Reflective Coated Glass, Add	13.27	
For Low-E Coated Glass, Add	11.06	
For One Piece Heat Strengthened Glass, Add	8.85	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	8.85	
Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	76.19	
For >50 To 200, Deduct	-3.79	
For >200 To 400, Deduct	-7.08	
For >400, Deduct	-9.87	
For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
For Tinted Glass, Add	10.22	
For Reflective Coated Glass, Add	15.33	
For Low-E Coated Glass, Add	12.78	
For One Piece Heat Strengthened Glass, Add	10.22	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	10.22	
Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0050 SF 9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	85.56	
For >50 To 200, Deduct	-4.25	
For >200 To 400, Deduct	-7.94	
For >400, Deduct	-11.07	
For Glass Removal And Preparing Opening For New Glazing, Add	21.05	
For Tinted Glass, Add	11.50	
For Reflective Coated Glass, Add	17.25	
For Low-E Coated Glass, Add	14.38	
For One Piece Heat Strengthened Glass, Add	11.50	
Note: Double UOM if applied for both interior and exterior glazing		
For One Piece Fully Tempered Glass, Add	11.50	
Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0051 Insulated Field Installed Glass (08 81 23 23)		



Openings		08	08
Glazing		08 80	
Glass Glazing		08 81	

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
08 81 23 23-0052	Insulated Glass, Field Installed Glass (08 81 23 23-0051) Note: Type I, Class I, Quality Q3.			
08 81 23 23-0053	3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.			
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	41.86	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	-2.46	
		For >200 To 400, Deduct	-4.52	
		For >400, Deduct	-6.17	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.05	
		For Tinted Glass, Add	3.27	
		For Reflective Coated Glass, Add	6.54	
		For Low-E Coated Glass, Add	5.45	
		For One Piece Heat Strengthened Glass, Add	4.36	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.36	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	9.27	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.00	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	44.72	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	-2.60	
		For >200 To 400, Deduct	-4.77	
		For >400, Deduct	-6.53	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.68	
		For Tinted Glass, Add	3.57	
		For Reflective Coated Glass, Add	7.15	
		For Low-E Coated Glass, Add	5.96	
		For One Piece Heat Strengthened Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	10.12	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.28	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	45.11	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	-2.63	
		For >200 To 400, Deduct	-4.83	
		For >400, Deduct	-6.61	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.94	
		For Tinted Glass, Add	3.58	
		For Reflective Coated Glass, Add	7.16	
		For Low-E Coated Glass, Add	5.97	
		For One Piece Heat Strengthened Glass, Add	4.77	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.77	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	10.14	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.28	
08 81 23 23-0057	1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.			
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	42.86	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-2.51	
		For >200 To 400, Deduct	-4.61	
		For >400, Deduct	-6.31	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.32	
		For Tinted Glass, Add	3.37	
		For Reflective Coated Glass, Add	6.73	
		For Low-E Coated Glass, Add	5.61	
		For One Piece Heat Strengthened Glass, Add	4.49	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.49	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	9.54	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.09	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0059	SF		1/2" Thick, Insulated Field Installed Glass 44.72 Note: Two 1/8" lites with 1/4" air space. For >50 To 200, Deduct -2.60 For >200 To 400, Deduct -4.77 For >400, Deduct -6.53 For Glass Removal And Preparing Opening For New Glazing, Add 15.68 For Tinted Glass, Add 3.57 For Reflective Coated Glass, Add 7.15 For Low-E Coated Glass, Add 5.96 For One Piece Heat Strengthened Glass, Add 4.76 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 4.76 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.12 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.28		
08 81 23 23-0060	SF		5/8" Thick, Insulated Field Installed Glass 46.38 Note: Two 3/16" lites with 1/4" air space. For >50 To 200, Deduct -2.73 For >200 To 400, Deduct -5.01 For >400, Deduct -6.85 For Glass Removal And Preparing Opening For New Glazing, Add 16.72 For Tinted Glass, Add 3.61 For Reflective Coated Glass, Add 7.23 For Low-E Coated Glass, Add 6.02 For One Piece Heat Strengthened Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.24 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.31		
08 81 23 23-0061	SF		5/8" Thick, Insulated Field Installed Glass 46.38 Note: One 1/4" lite and one 1/8" lite with 1/4" air space. For >50 To 200, Deduct -2.73 For >200 To 400, Deduct -5.01 For >400, Deduct -6.85 For Glass Removal And Preparing Opening For New Glazing, Add 16.72 For Tinted Glass, Add 3.61 For Reflective Coated Glass, Add 7.23 For Low-E Coated Glass, Add 6.02 For One Piece Heat Strengthened Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.24 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.31		
08 81 23 23-0062	SF		3/4" Thick, Insulated Field Installed Glass 51.87 Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct -3.02 For >200 To 400, Deduct -5.55 For >400, Deduct -7.59 For Glass Removal And Preparing Opening For New Glazing, Add 18.25 For Tinted Glass, Add 4.13 For Reflective Coated Glass, Add 8.26 For Low-E Coated Glass, Add 6.89 For One Piece Heat Strengthened Glass, Add 5.51 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.51 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 11.70 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.79		
08 81 23 23-0063			3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF		5/8" Thick, Insulated Field Installed Glass 46.38 Note: Two 1/8" lites with 3/8" air space. For >50 To 200, Deduct -2.73 For >200 To 400, Deduct -5.01 For >400, Deduct -6.85 For Glass Removal And Preparing Opening For New Glazing, Add 16.72 For Tinted Glass, Add 3.61 For Reflective Coated Glass, Add 7.23 For Low-E Coated Glass, Add 6.02 For One Piece Heat Strengthened Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 4.82 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.24 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.31		



		Openings	08	08
		Glazing	08 80	
		Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0065	SF		3/4" Thick, Insulated Field Installed Glass 49.57 Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct -2.95 For >200 To 400, Deduct -5.41 For >400, Deduct -7.38 For Glass Removal And Preparing Opening For New Glazing, Add 18.25 For Tinted Glass, Add 3.79 For Reflective Coated Glass, Add 7.57 For Low-E Coated Glass, Add 6.31 For One Piece Heat Strengthened Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.73 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.47		
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass 52.83 Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct -3.08 For >200 To 400, Deduct -5.65 For >400, Deduct -7.74 For Glass Removal And Preparing Opening For New Glazing, Add 18.63 For Tinted Glass, Add 4.20 For Reflective Coated Glass, Add 8.40 For Low-E Coated Glass, Add 7.00 For One Piece Heat Strengthened Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 11.90 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.85		
08 81 23 23-0067	SF		1" Thick, Insulated Field Installed Glass 56.70 Note: Two 5/16" lites with 3/8" air space. For >50 To 200, Deduct -3.21 For >200 To 400, Deduct -5.91 For >400, Deduct -8.11 For Glass Removal And Preparing Opening For New Glazing, Add 18.81 For Tinted Glass, Add 4.74 For Reflective Coated Glass, Add 9.49 For Low-E Coated Glass, Add 7.91 For One Piece Heat Strengthened Glass, Add 6.32 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 6.32 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 13.44 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 4.35		
08 81 23 23-0068			1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF		3/4" Thick, Insulated Field Installed Glass 49.57 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -2.95 For >200 To 400, Deduct -5.41 For >400, Deduct -7.38 For Glass Removal And Preparing Opening For New Glazing, Add 18.25 For Tinted Glass, Add 3.79 For Reflective Coated Glass, Add 7.57 For Low-E Coated Glass, Add 6.31 For One Piece Heat Strengthened Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.73 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.47		
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass 52.83 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -3.08 For >200 To 400, Deduct -5.65 For >400, Deduct -7.74 For Glass Removal And Preparing Opening For New Glazing, Add 18.63 For Tinted Glass, Add 4.20 For Reflective Coated Glass, Add 8.40 For Low-E Coated Glass, Add 7.00 For One Piece Heat Strengthened Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 11.90 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.85		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0071	SF		7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	52.83	
			For >50 To 200, Deduct	-3.08	
			For >200 To 400, Deduct	-5.65	
			For >400, Deduct	-7.74	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.63	
			For Tinted Glass, Add	4.20	
			For Reflective Coated Glass, Add	8.40	
			For Low-E Coated Glass, Add	7.00	
			For One Piece Heat Strengthened Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	5.60	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	11.90	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	3.85	
08 81 23 23-0072	SF		1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	55.69	
			For >50 To 200, Deduct	-3.18	
			For >200 To 400, Deduct	-5.85	
			For >400, Deduct	-8.02	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	4.59	
			For Reflective Coated Glass, Add	9.18	
			For Low-E Coated Glass, Add	7.65	
			For One Piece Heat Strengthened Glass, Add	6.12	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	6.12	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Obscure Glass, Add	13.01	
			Note: Double UOM if applied for both interior and exterior glazing		
			For Argon Gas, Add	4.21	
08 81 23 23-0073			Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0074	SF		1" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	110.80	
			For >50 To 200, Deduct	-4.83	
			For >200 To 400, Deduct	-9.16	
			For >400, Deduct	-12.98	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.81	
			For Tinted Glass, Add	12.86	
			For Reflective Coated Glass, Add	25.72	
			For Low-E Coated Glass, Add	21.43	
			For Argon Gas, Add	11.79	
08 81 23 23-0075	SF		1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	132.74	
			For >50 To 200, Deduct	-5.70	
			For >200 To 400, Deduct	-10.83	
			For >400, Deduct	-15.39	
			For Glass Removal And Preparing Opening For New Glazing, Add	21.50	
			For Tinted Glass, Add	15.61	
			For Reflective Coated Glass, Add	31.22	
			For Low-E Coated Glass, Add	26.02	
			For Argon Gas, Add	14.31	
08 81 23 23-0076	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	155.28	
			For >50 To 200, Deduct	-6.63	
			For >200 To 400, Deduct	-12.60	
			For >400, Deduct	-17.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	24.63	
			For Tinted Glass, Add	18.37	
			For Reflective Coated Glass, Add	36.73	
			For Low-E Coated Glass, Add	30.61	
			For Argon Gas, Add	16.84	
08 81 23 23-0077			Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0078			Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0079	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	43.50 14.93	
08 81 23 23-0080	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	38.43 14.93	
08 81 23 23-0081			Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0082			1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	48.77 14.93	



		Openings	08	08
		Glazing	08 80	
		Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0084	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	43.03 14.93	
08 81 23 23-0085			1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)		
08 81 23 23-0086	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	58.74 14.93	
08 81 23 23-0087	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	47.46 14.93	
08 83 Mirrors (08 80)					
Note: Kind FT, Type I, Class I, Quality Q1.					
08 83 13			Mirrored Glass Glazing (08 83)		
08 83 13 00-0001			Mirror Glass (08 83 13)		
08 83 13 00-0002			One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors)..... For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	96.36 -2.36 -3.93 -6.29	8.95
08 83 13 00-0004			Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors) For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	135.49 -3.53 -5.89 -9.42	8.95
08 83 13 00-0006			Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF		1/8" Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	31.81 -0.52 -0.87 -1.40	7.17
08 83 13 00-0008	SF		3/16" Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	37.64 -0.64 -1.06 -1.69	8.36
08 83 13 00-0009	SF		1/4" Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	41.29 -0.71 -1.18 -1.89	8.95
08 83 13 00-0010			Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF		1/8" Tempered, Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	52.80 -1.15 -1.92 -3.08	7.17
08 83 13 00-0012	SF		3/16" Tempered, Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	59.92 -1.30 -2.17 -3.48	8.36
08 83 13 00-0013	SF		1/4" Tempered, Clear Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	66.12 -1.45 -2.42 -3.87	8.95
08 83 13 00-0014			Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF		1/4" Clear Mirror Glass With Laminated Safety Backing..... For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	43.44 -0.77 -1.29 -2.06	8.95
08 83 13 00-0016			Laminated Safety Mirror Glass (08 83 13 00-0001)		
Note: Clear glass laminated to face of mirror with PVB interlayer.					
08 83 13 00-0017	SF		1/4" Laminated Safety Mirror Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct	83.57 -1.98 -3.29 -5.27	8.95
08 83 13 00-0018			Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF		1/8" Aluminum J-Channel For Mounting Mirror Glass.....	5.75	
08 83 13 00-0020	LF		3/16" Aluminum J-Channel For Mounting Mirror Glass.....	5.86	
08 83 13 00-0021	LF		1/4" Aluminum J-Channel For Mounting Mirror Glass.....	7.34	
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass.....	9.42	

08 Openings**08 80 Glazing****08 83 Mirrors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 84 Plastic Glazing (08 80)

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)

08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.86
	For >50 To 200, Deduct	-0.48
	For >200 To 400, Deduct	-0.96
	For >400, Deduct	-1.44
	For Glass Removal And Preparing Opening For New Glazing, Add	11.26
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.97
	For >50 To 200, Deduct	-0.51
	For >200 To 400, Deduct	-1.03
	For >400, Deduct	-1.54
	For Glass Removal And Preparing Opening For New Glazing, Add	11.70
08 84 00 00-0004	SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.10
	For >50 To 200, Deduct	-0.70
	For >200 To 400, Deduct	-1.39
	For >400, Deduct	-2.09
	For Glass Removal And Preparing Opening For New Glazing, Add	12.17
08 84 00 00-0005	SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	37.53
	For >50 To 200, Deduct	-1.25
	For >200 To 400, Deduct	-2.50
	For >400, Deduct	-3.75
	For Glass Removal And Preparing Opening For New Glazing, Add	12.52
08 84 00 00-0006	SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	47.42
	For >50 To 200, Deduct	-1.70
	For >200 To 400, Deduct	-3.40
	For >400, Deduct	-5.10
	For Glass Removal And Preparing Opening For New Glazing, Add	13.43

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)

08 84 00 00-0008	SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	30.99
	For >50 To 200, Deduct	-0.99
	For >200 To 400, Deduct	-1.97
	For >400, Deduct	-2.96
	For Glass Removal And Preparing Opening For New Glazing, Add	11.26
08 84 00 00-0009	SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	35.97
	For >50 To 200, Deduct	-1.21
	For >200 To 400, Deduct	-2.43
	For >400, Deduct	-3.64
	For Glass Removal And Preparing Opening For New Glazing, Add	11.70
08 84 00 00-0010	SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	38.00
	For >50 To 200, Deduct	-1.29
	For >200 To 400, Deduct	-2.58
	For >400, Deduct	-3.87
	For Glass Removal And Preparing Opening For New Glazing, Add	12.17
08 84 00 00-0011	SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	62.42
	For >50 To 200, Deduct	-2.50
	For >200 To 400, Deduct	-4.99
	For >400, Deduct	-7.49
	For Glass Removal And Preparing Opening For New Glazing, Add	12.52
08 84 00 00-0012	SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	66.31
	For >50 To 200, Deduct	-2.64
	For >200 To 400, Deduct	-5.29
	For >400, Deduct	-7.93
	For Glass Removal And Preparing Opening For New Glazing, Add	13.43

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)

08 84 00 00-0014	SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.77
	For >50 To 200, Deduct	-0.20
	For >200 To 400, Deduct	-0.40
	For >400, Deduct	-0.60
	For Glass Removal And Preparing Opening For New Glazing, Add	10.75
	For Colored, Add	0.80
	For Shatterproof, Add	2.41
	For Mirrored, Add	3.22
08 84 00 00-0015	SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.32
	For >50 To 200, Deduct	-0.20
	For >200 To 400, Deduct	-0.41
	For >400, Deduct	-0.61
	For Glass Removal And Preparing Opening For New Glazing, Add	11.26
	For Colored, Add	0.81
	For Shatterproof, Add	2.44
	For Mirrored, Add	3.25



Openings			08	08
Glazing			08 80	
Plastic Glazing			08 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.04	
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.63	
For >400, Deduct	-0.95	
For Glass Removal And Preparing Opening For New Glazing, Add	11.70	
For Colored, Add	1.27	
For Shatterproof, Add	3.80	
For Mirrored, Add	5.07	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas)	20.53	
For >50 To 200, Deduct	-0.42	
For >200 To 400, Deduct	-0.84	
For >400, Deduct	-1.25	
For Glass Removal And Preparing Opening For New Glazing, Add	12.17	
For Colored, Add	1.67	
For Shatterproof, Add	5.02	
For Mirrored, Add	6.69	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas)	21.00	
For >50 To 200, Deduct	-0.44	
For >200 To 400, Deduct	-0.88	
For >400, Deduct	-1.31	
For Glass Removal And Preparing Opening For New Glazing, Add	12.24	
For Colored, Add	1.75	
For Shatterproof, Add	5.26	
For Mirrored, Add	7.01	
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas)	21.67	
For >50 To 200, Deduct	-0.46	
For >200 To 400, Deduct	-0.92	
For >400, Deduct	-1.37	
For Glass Removal And Preparing Opening For New Glazing, Add	12.52	
For Colored, Add	1.83	
For Shatterproof, Add	5.49	
For Mirrored, Add	7.32	
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas)	25.53	
For >50 To 200, Deduct	-0.61	
For >200 To 400, Deduct	-1.21	
For >400, Deduct	-1.82	
For Glass Removal And Preparing Opening For New Glazing, Add	13.43	
For Colored, Add	2.42	
For Shatterproof, Add	7.26	
For Mirrored, Add	9.68	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas)	35.85	
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.89	
For >400, Deduct	-2.83	
For Glass Removal And Preparing Opening For New Glazing, Add	17.00	
08 84 00 00-0022 SF 1" Thick, Clear Acrylic Glazing (Plexiglas)	47.46	
For >50 To 200, Deduct	-1.45	
For >200 To 400, Deduct	-2.90	
For >400, Deduct	-4.35	
For Glass Removal And Preparing Opening For New Glazing, Add	18.46	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001	Framing For Glass Windscreens (08 85)		
Note: Excludes glazing.			
08 85 00 00-0002	LF 1-1/4" x 1-1/2" Aluminum Framed Window Walls	22.39	2.29
	For Bronze Anodized Aluminum, Add	2.41	
	For Stainless Steel, Add	9.97	
	For Black Anodized Finish, Add	4.34	
08 85 00 00-0003	LF 1-1/2" x 2" Aluminum Framed Window Walls.....	27.32	2.86
	For Bronze Anodized Aluminum, Add	3.07	
	For Stainless Steel, Add	12.61	
	For Black Anodized Finish, Add	5.52	
08 85 00 00-0004	LF 1-1/2" x 3" Aluminum Framed Window Walls.....	32.46	2.29
	For Bronze Anodized Aluminum, Add	3.67	
	For Stainless Steel, Add	15.07	
	For Black Anodized Finish, Add	6.60	
08 85 00 00-0005	LF 1-1/2" x 4" Aluminum Framed Window Walls.....	39.52	3.43
	For Bronze Anodized Aluminum, Add	4.38	
	For Stainless Steel, Add	18.04	
	For Black Anodized Finish, Add	7.89	
08 85 00 00-0006	LF 2" x 3" Aluminum Framed Window Walls.....	39.64	2.86
	For Bronze Anodized Aluminum, Add	4.66	
	For Stainless Steel, Add	19.06	
	For Black Anodized Finish, Add	8.38	
08 85 00 00-0007	LF 2" x 4" Aluminum Framed Window Walls.....	48.54	3.43
	For Bronze Anodized Aluminum, Add	5.56	
	For Stainless Steel, Add	22.83	
	For Black Anodized Finish, Add	10.01	

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

08	Openings
08 80	Glazing
08 87	Glazing Surface Films



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001	Window Tinting And Film (08 87 13)		
	Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.		
08 87 13 00-0002	SF 20% VLT, Bronze Window Tinting Film.....	10.91	
08 87 13 00-0003	SF 50% VLT, Bronze Window Tinting Film.....	10.91	
08 87 13 00-0004	SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	16.48	
08 87 13 00-0005	SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	16.97	

08 87 23 Safety and Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001	High Performance, Security And Safety Glazing Films (08 87 23 16)		
	Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0002	Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)		
08 87 23 16-0003	SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	16.70	
	For >1,000 To 5,000, Deduct	-0.77	
	For >5,000, Deduct	-1.05	
08 87 23 16-0004	SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	17.63	
	For >1,000 To 5,000, Deduct	-0.81	
	For >5,000, Deduct	-1.14	
08 87 23 16-0005	SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	21.27	
	For >1,000 To 5,000, Deduct	-0.94	
	For >5,000, Deduct	-1.50	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007	SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	18.64	
	For >1,000 To 5,000, Deduct	-0.84	
	For >5,000, Deduct	-1.24	
08 87 23 16-0008	SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	18.64	
	For >1,000 To 5,000, Deduct	-0.84	
	For >5,000, Deduct	-1.24	
08 87 23 16-0009	SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	18.64	
	For >1,000 To 5,000, Deduct	-0.84	
	For >5,000, Deduct	-1.24	

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF 0.007" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	15.68	
	For >1,000 To 5,000, Deduct	-0.74	
	For >5,000, Deduct	-0.94	
08 87 23 16-0012	SF 0.008" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	15.93	
	For >1,000 To 5,000, Deduct	-0.75	
	For >5,000, Deduct	-0.97	
08 87 23 16-0013	SF 0.014" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	18.25	
	For >1,000 To 5,000, Deduct	-0.83	
	For >5,000, Deduct	-1.20	

08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	15.68	
	For >1,000 To 5,000, Deduct	-0.74	
	For >5,000, Deduct	-0.94	
08 87 23 16-0016	SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	15.93	
	For >1,000 To 5,000, Deduct	-0.75	
	For >5,000, Deduct	-0.97	

08 88 Special Function Glazing (08 80)

08 88 49 Radiation-Resistant Glazing (08 88)

08 88 49 00-0001 Lead Glass (X-Ray Shielding) (08 88 49)

08 88 49 00-0002	SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence	388.13	
08 88 49 00-0003	SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence	577.68	

08 88 49 00-0004 Lead Acrylic (X-Ray Shielding) (08 88 49)

08 88 49 00-0005	SF 7mm Thick, 0.3mm LE, 2.3 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	433.42	7.17
08 88 49 00-0006	SF 12mm Thick, 0.5mm LE, 3.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	586.08	11.94
08 88 49 00-0007	SF 18mm Thick, 0.8mm LE, 5.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	654.23	17.91
08 88 49 00-0008	SF 22mm Thick, 1mm LE, 7.2 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	676.73	21.49
08 88 49 00-0009	SF 35mm Thick, 1.5mm LE, 11.5 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	778.47	34.03



Openings			08
Glazing			08 80
Special Function Glazing			08 88

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 49 00-0010 SF 46mm Thick, 2mm LE, 15 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	1,026.03	45.38
08 88 53 Security Glazing (08 88)		
08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	151.72	
For Glass Removal And Preparing Opening For New Glazing, Add	59.22	
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	178.05	
For Glass Removal And Preparing Opening For New Glazing, Add	59.22	
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	201.94	
For Glass Removal And Preparing Opening For New Glazing, Add	66.87	
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	223.92	
For Glass Removal And Preparing Opening For New Glazing, Add	66.87	
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	254.51	
For Glass Removal And Preparing Opening For New Glazing, Add	76.42	
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	272.18	
For Glass Removal And Preparing Opening For New Glazing, Add	76.42	
08 88 53 00-0009 Forced Entry Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet	55.92	
For Glass Removal And Preparing Opening For New Glazing, Add	14.92	
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet	63.47	
For Glass Removal And Preparing Opening For New Glazing, Add	15.92	
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet	72.38	
For Glass Removal And Preparing Opening For New Glazing, Add	17.06	
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet	87.55	
For Glass Removal And Preparing Opening For New Glazing, Add	18.37	
08 88 53 00-0014 Glass Clad Polycarbonate (08 88 53)		
08 88 53 00-0015 SF 0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	221.79	
For Glass Removal And Preparing Opening For New Glazing, Add	72.60	
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	248.04	
For Glass Removal And Preparing Opening For New Glazing, Add	84.06	
08 88 53 00-0017 SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	316.82	
For Glass Removal And Preparing Opening For New Glazing, Add	95.53	
08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	235.41	
For Glass Removal And Preparing Opening For New Glazing, Add	72.60	
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	275.26	
For Glass Removal And Preparing Opening For New Glazing, Add	84.06	
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	357.67	
For Glass Removal And Preparing Opening For New Glazing, Add	95.53	
08 88 53 00-0022 Ballistic Resistant Fiberglass (08 88 53)		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	93.71	
For Glass Removal And Preparing Opening For New Glazing, Add	36.30	
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	110.85	
For Glass Removal And Preparing Opening For New Glazing, Add	42.03	
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	125.73	
For Glass Removal And Preparing Opening For New Glazing, Add	47.76	
08 88 53 00-0026 Forced Entry And/or Ballistic Resistant Polycarbonate (08 88 53)		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026)		
Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01	129.27	
Note: Level 1 or ASTM F1233, Class II (Step 5).		
For Glass Removal And Preparing Opening For New Glazing, Add	57.90	
08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026)		
Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01	159.80	
For Glass Removal And Preparing Opening For New Glazing, Add	71.64	
08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01	196.92	
Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
For Glass Removal And Preparing Opening For New Glazing, Add	76.42	

08 Openings**08 80 Glazing****08 88 Special Function Glazing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	215.93	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	81.20	
08 88 53 00-0035		Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	184.91	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	71.64	
08 88 53 00-0037		Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	426.92	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	158.57	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	432.32	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	158.57	
08 88 53 00-0040		Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	284.08	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	106.98	

08 90 Louvers and Vents (08)**08 91 Louvers** (08 90)**08 91 13 Motorized Wall Louvers** (08 91)

08 91 13 00-0001		Motorized Wall Louver Actuator (08 91 13) See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver.....	1,916.32	112.77
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver.....	2,934.01	112.77
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver.....	2,061.38	112.77
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	8,034.90	112.77

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001		Adjustable Intake Wall Louvers (08 91 16) See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	525.49	29.85
		<i>For Flange Frame, Add</i>	46.58	
		<i>For Clear Lacquer Finish, Add</i>	93.16	
		<i>For Baked Enamel Standard Colors, Add</i>	139.73	
		<i>For Anodized Finish, Add</i>	186.31	
		<i>For Kynar® Standard Colors Finish, Add</i>	256.18	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	656.62	36.49
		<i>For Flange Frame, Add</i>	58.36	
		<i>For Clear Lacquer Finish, Add</i>	116.73	
		<i>For Baked Enamel Standard Colors, Add</i>	175.09	
		<i>For Anodized Finish, Add</i>	233.46	
		<i>For Kynar® Standard Colors Finish, Add</i>	321.00	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	776.40	43.12
		<i>For Flange Frame, Add</i>	69.02	
		<i>For Clear Lacquer Finish, Add</i>	138.03	
		<i>For Baked Enamel Standard Colors, Add</i>	207.05	
		<i>For Anodized Finish, Add</i>	276.07	
		<i>For Kynar® Standard Colors Finish, Add</i>	379.59	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	908.66	49.76
		<i>For Flange Frame, Add</i>	80.92	
		<i>For Clear Lacquer Finish, Add</i>	161.83	
		<i>For Baked Enamel Standard Colors, Add</i>	242.75	
		<i>For Anodized Finish, Add</i>	323.66	
		<i>For Kynar® Standard Colors Finish, Add</i>	445.04	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0006	EA		12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,023.93 91.12 182.23 273.35 364.46 501.14	56.39
08 91 16 00-0007	EA		12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,208.32 108.23 216.46 324.68 432.91 595.25	63.02
08 91 16 00-0008	EA		12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,376.85 123.75 247.51 371.26 495.02 680.65	69.66
08 91 16 00-0009	EA		12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,529.35 137.01 274.03 411.04 548.06 753.58	79.61
08 91 16 00-0010	EA		12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,632.14 145.97 291.93 437.90 583.86 802.81	86.23
08 91 16 00-0011	EA		12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,761.00 157.53 315.05 472.58 630.10 866.39	92.87
08 91 16 00-0012	EA		12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,874.00 167.50 335.00 502.50 670.00 921.24	99.50
08 91 16 00-0013	EA		12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,018.73 180.65 361.29 541.94 722.58 993.55	106.14
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,157.79 193.22 386.45 579.67 772.90 1,062.73	112.77
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,330.69 208.52 417.05 625.57 834.10 1,146.88	122.72
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,458.24 219.29 438.58 657.87 877.16 1,206.10	132.67
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	589.76 51.68 103.36 155.03 206.71 284.23	36.49

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	744.51	46.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	65.16	
			For Clear Lacquer Finish, Add	130.33	
			For Baked Enamel Standard Colors, Add	195.49	
			For Anodized Finish, Add	260.66	
			For Kynar® Standard Colors Finish, Add	358.40	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	873.37	53.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.72	
			For Clear Lacquer Finish, Add	153.45	
			For Baked Enamel Standard Colors, Add	230.17	
			For Anodized Finish, Add	306.89	
			For Kynar® Standard Colors Finish, Add	421.98	
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,086.89	66.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	95.42	
			For Clear Lacquer Finish, Add	190.84	
			For Baked Enamel Standard Colors, Add	286.27	
			For Anodized Finish, Add	381.69	
			For Kynar® Standard Colors Finish, Add	524.82	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,236.16	72.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	109.02	
			For Clear Lacquer Finish, Add	218.04	
			For Baked Enamel Standard Colors, Add	327.07	
			For Anodized Finish, Add	436.09	
			For Kynar® Standard Colors Finish, Add	599.62	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,385.42	79.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	122.62	
			For Clear Lacquer Finish, Add	245.24	
			For Baked Enamel Standard Colors, Add	367.86	
			For Anodized Finish, Add	490.48	
			For Kynar® Standard Colors Finish, Add	674.42	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,564.15	86.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.17	
			For Clear Lacquer Finish, Add	278.33	
			For Baked Enamel Standard Colors, Add	417.50	
			For Anodized Finish, Add	556.67	
			For Kynar® Standard Colors Finish, Add	765.42	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,734.77	96.18
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.24	
			For Clear Lacquer Finish, Add	308.48	
			For Baked Enamel Standard Colors, Add	462.72	
			For Anodized Finish, Add	616.96	
			For Kynar® Standard Colors Finish, Add	848.31	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,871.40	106.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	165.91	
			For Clear Lacquer Finish, Add	331.82	
			For Baked Enamel Standard Colors, Add	497.74	
			For Anodized Finish, Add	663.65	
			For Kynar® Standard Colors Finish, Add	912.52	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,002.53	112.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	177.70	
			For Clear Lacquer Finish, Add	355.40	
			For Baked Enamel Standard Colors, Add	533.09	
			For Anodized Finish, Add	710.79	
			For Kynar® Standard Colors Finish, Add	977.34	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,125.73	119.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	188.69	
			For Clear Lacquer Finish, Add	377.38	
			For Baked Enamel Standard Colors, Add	566.07	
			For Anodized Finish, Add	754.76	
			For Kynar® Standard Colors Finish, Add	1,037.80	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,285.19	126.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	203.31	
			For Clear Lacquer Finish, Add	406.62	
			For Baked Enamel Standard Colors, Add	609.93	
			For Anodized Finish, Add	813.24	
			For Kynar® Standard Colors Finish, Add	1,118.21	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,438.97	132.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	217.36	
			For Clear Lacquer Finish, Add	434.73	
			For Baked Enamel Standard Colors, Add	652.09	
			For Anodized Finish, Add	869.45	
			For Kynar® Standard Colors Finish, Add	1,195.50	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,626.61 234.14 468.27 702.41 936.54 1,287.75	142.62
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,768.90 246.38 492.75 739.13 985.50 1,355.06	152.57
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	659.67 57.34 114.69 172.03 229.38 315.39	43.12
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	837.11 73.10 146.19 219.29 292.39 402.03	53.07
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,037.20 91.12 182.23 273.35 364.46 501.14	63.02
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,223.52 107.10 214.19 321.29 428.38 589.02	76.29
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,387.52 122.17 244.34 366.50 488.67 671.92	82.93
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,560.58 138.15 276.29 414.44 552.59 759.81	89.55
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,774.27 157.53 315.05 472.58 630.10 866.39	99.50
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,954.94 172.94 345.88 518.82 691.76 951.16	112.77
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,095.13 185.63 371.26 556.89 742.52 1,020.97	119.40
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,248.58 198.32 396.65 594.97 793.30 1,090.78	132.67

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,391.04	139.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	211.24	
			For Clear Lacquer Finish, Add	422.49	
			For Baked Enamel Standard Colors, Add	633.73	
			For Anodized Finish, Add	844.97	
			For Kynar® Standard Colors Finish, Add	1,161.84	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,584.51	145.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	229.26	
			For Clear Lacquer Finish, Add	458.53	
			For Baked Enamel Standard Colors, Add	687.79	
			For Anodized Finish, Add	917.05	
			For Kynar® Standard Colors Finish, Add	1,260.95	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,748.50	152.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.34	
			For Clear Lacquer Finish, Add	488.67	
			For Baked Enamel Standard Colors, Add	733.01	
			For Anodized Finish, Add	977.34	
			For Kynar® Standard Colors Finish, Add	1,343.84	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,955.39	162.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	263.03	
			For Clear Lacquer Finish, Add	526.07	
			For Baked Enamel Standard Colors, Add	789.10	
			For Anodized Finish, Add	1,052.14	
			For Kynar® Standard Colors Finish, Add	1,446.69	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,107.89	172.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	276.29	
			For Clear Lacquer Finish, Add	552.59	
			For Baked Enamel Standard Colors, Add	828.88	
			For Anodized Finish, Add	1,105.18	
			For Kynar® Standard Colors Finish, Add	1,519.62	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	735.27	49.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.58	
			For Clear Lacquer Finish, Add	127.15	
			For Baked Enamel Standard Colors, Add	190.73	
			For Anodized Finish, Add	254.31	
			For Kynar® Standard Colors Finish, Add	349.67	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	979.23	66.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	84.66	
			For Clear Lacquer Finish, Add	169.31	
			For Baked Enamel Standard Colors, Add	253.97	
			For Anodized Finish, Add	338.62	
			For Kynar® Standard Colors Finish, Add	465.61	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,162.32	76.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.98	
			For Clear Lacquer Finish, Add	201.95	
			For Baked Enamel Standard Colors, Add	302.93	
			For Anodized Finish, Add	403.90	
			For Kynar® Standard Colors Finish, Add	555.36	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,362.42	86.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	118.99	
			For Clear Lacquer Finish, Add	237.99	
			For Baked Enamel Standard Colors, Add	356.98	
			For Anodized Finish, Add	475.98	
			For Kynar® Standard Colors Finish, Add	654.47	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,541.14	92.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	135.54	
			For Clear Lacquer Finish, Add	271.08	
			For Baked Enamel Standard Colors, Add	406.62	
			For Anodized Finish, Add	542.16	
			For Kynar® Standard Colors Finish, Add	745.47	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,726.51	102.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.09	
			For Clear Lacquer Finish, Add	304.17	
			For Baked Enamel Standard Colors, Add	456.26	
			For Anodized Finish, Add	608.34	
			For Kynar® Standard Colors Finish, Add	836.47	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,948.31	109.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	172.94	
			For Clear Lacquer Finish, Add	345.88	
			For Baked Enamel Standard Colors, Add	518.82	
			For Anodized Finish, Add	691.76	
			For Kynar® Standard Colors Finish, Add	951.16	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,138.20 189.94 379.88 569.81 759.75 1,044.66	119.40
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,294.26 204.22 408.43 612.65 816.87 1,123.19	126.04
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,465.84 218.72 437.45 656.17 874.89 1,202.98	139.31
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,629.67 233.12 466.23 699.35 932.46 1,282.14	149.26
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,835.59 252.38 504.76 757.14 1,009.52 1,388.10	155.89
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,014.32 268.93 537.85 806.78 1,075.71 1,479.10	162.53
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,231.41 288.65 577.29 865.94 1,154.58 1,587.55	172.48
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,404.32 303.95 607.89 911.84 1,215.78 1,671.70	182.43
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	805.20 69.24 138.49 207.73 276.97 380.84	56.39
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,089.96 94.40 188.80 283.21 377.61 519.21	72.98
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,274.19 110.84 221.67 332.51 443.34 609.59	82.93
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,493.55 130.78 261.56 392.34 523.12 719.30	92.87

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,696.46	100.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	149.48	
			For Clear Lacquer Finish, Add	298.96	
			For Baked Enamel Standard Colors, Add	448.44	
			For Anodized Finish, Add	597.92	
			For Kynar® Standard Colors Finish, Add	822.14	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,887.11	109.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	166.82	
			For Clear Lacquer Finish, Add	333.64	
			For Baked Enamel Standard Colors, Add	500.46	
			For Anodized Finish, Add	667.28	
			For Kynar® Standard Colors Finish, Add	917.50	
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,134.96	116.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	190.28	
			For Clear Lacquer Finish, Add	380.56	
			For Baked Enamel Standard Colors, Add	570.83	
			For Anodized Finish, Add	761.11	
			For Kynar® Standard Colors Finish, Add	1,046.53	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,348.66	126.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	209.66	
			For Clear Lacquer Finish, Add	419.31	
			For Baked Enamel Standard Colors, Add	628.97	
			For Anodized Finish, Add	838.63	
			For Kynar® Standard Colors Finish, Add	1,153.11	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,522.67	135.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	225.07	
			For Clear Lacquer Finish, Add	450.14	
			For Baked Enamel Standard Colors, Add	675.21	
			For Anodized Finish, Add	900.28	
			For Kynar® Standard Colors Finish, Add	1,237.88	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,701.23	145.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	240.94	
			For Clear Lacquer Finish, Add	481.87	
			For Baked Enamel Standard Colors, Add	722.81	
			For Anodized Finish, Add	963.74	
			For Kynar® Standard Colors Finish, Add	1,325.14	
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,885.46	155.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	257.37	
			For Clear Lacquer Finish, Add	514.74	
			For Baked Enamel Standard Colors, Add	772.10	
			For Anodized Finish, Add	1,029.47	
			For Kynar® Standard Colors Finish, Add	1,415.52	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,110.65	162.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	278.56	
			For Clear Lacquer Finish, Add	557.12	
			For Baked Enamel Standard Colors, Add	835.68	
			For Anodized Finish, Add	1,114.24	
			For Kynar® Standard Colors Finish, Add	1,532.08	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,302.98	169.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	296.47	
			For Clear Lacquer Finish, Add	592.93	
			For Baked Enamel Standard Colors, Add	889.40	
			For Anodized Finish, Add	1,185.86	
			For Kynar® Standard Colors Finish, Add	1,630.56	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,548.40	179.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	319.02	
			For Clear Lacquer Finish, Add	638.04	
			For Baked Enamel Standard Colors, Add	957.05	
			For Anodized Finish, Add	1,276.07	
			For Kynar® Standard Colors Finish, Add	1,754.60	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,731.50	189.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	335.34	
			For Clear Lacquer Finish, Add	670.68	
			For Baked Enamel Standard Colors, Add	1,006.01	
			For Anodized Finish, Add	1,341.35	
			For Kynar® Standard Colors Finish, Add	1,844.36	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	.921.60	63.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	79.56	
			For Clear Lacquer Finish, Add	159.11	
			For Baked Enamel Standard Colors, Add	238.67	
			For Anodized Finish, Add	318.22	
			For Kynar® Standard Colors Finish, Add	437.56	



Openings			08	08
Louvers and Vents			08 90	
Louvers			08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,175.76 101.66 203.31 304.97 406.62 559.10	79.61
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,380.39 120.13 240.26 360.38 480.51 660.70	89.55
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,614.32 140.87 281.73 422.60 563.47 774.77	102.82
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,830.44 161.15 322.30 483.46 644.61 886.34	109.45
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,035.23 180.31 360.61 540.92 721.22 991.68	116.09
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,304.62 205.92 411.83 617.75 823.67 1,132.54	122.72
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,521.70 225.64 451.27 676.91 902.54 1,241.00	132.67
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,717.27 243.20 486.40 729.61 972.81 1,337.61	142.62
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,900.36 259.52 519.04 778.56 1,038.08 1,427.37	152.57
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,100.45 277.54 555.08 832.62 1,110.16 1,526.47	162.53
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,342.65 300.43 600.87 901.30 1,201.73 1,652.38	169.16
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,553.11 320.15 640.30 960.46 1,280.61 1,760.84	175.79

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,827.99	185.74
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	345.65	
			For Clear Lacquer Finish, Add	691.30	
			For Baked Enamel Standard Colors, Add	1,036.95	
			For Anodized Finish, Add	1,382.60	
			For Kynar® Standard Colors Finish, Add	1,901.08	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,019.02	195.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	362.76	
			For Clear Lacquer Finish, Add	725.53	
			For Baked Enamel Standard Colors, Add	1,088.29	
			For Anodized Finish, Add	1,451.05	
			For Kynar® Standard Colors Finish, Add	1,995.20	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	997.20	69.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.79	
			For Clear Lacquer Finish, Add	171.58	
			For Baked Enamel Standard Colors, Add	257.37	
			For Anodized Finish, Add	343.16	
			For Kynar® Standard Colors Finish, Add	471.84	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,267.23	86.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	109.48	
			For Clear Lacquer Finish, Add	218.95	
			For Baked Enamel Standard Colors, Add	328.43	
			For Anodized Finish, Add	437.90	
			For Kynar® Standard Colors Finish, Add	602.11	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,500.02	99.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	130.10	
			For Clear Lacquer Finish, Add	260.20	
			For Baked Enamel Standard Colors, Add	390.30	
			For Anodized Finish, Add	520.40	
			For Kynar® Standard Colors Finish, Add	715.56	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,739.78	109.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.09	
			For Clear Lacquer Finish, Add	304.17	
			For Baked Enamel Standard Colors, Add	456.26	
			For Anodized Finish, Add	608.34	
			For Kynar® Standard Colors Finish, Add	836.47	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,978.56	116.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.64	
			For Clear Lacquer Finish, Add	349.28	
			For Baked Enamel Standard Colors, Add	523.91	
			For Anodized Finish, Add	698.55	
			For Kynar® Standard Colors Finish, Add	960.51	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,209.42	122.72
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	196.40	
			For Clear Lacquer Finish, Add	392.79	
			For Baked Enamel Standard Colors, Add	589.19	
			For Anodized Finish, Add	785.59	
			For Kynar® Standard Colors Finish, Add	1,080.18	
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,496.77	132.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	223.14	
			For Clear Lacquer Finish, Add	446.29	
			For Baked Enamel Standard Colors, Add	669.43	
			For Anodized Finish, Add	892.57	
			For Kynar® Standard Colors Finish, Add	1,227.29	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,734.27	142.62
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.90	
			For Clear Lacquer Finish, Add	489.80	
			For Baked Enamel Standard Colors, Add	734.71	
			For Anodized Finish, Add	979.61	
			For Kynar® Standard Colors Finish, Add	1,346.96	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,940.03	152.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	263.49	
			For Clear Lacquer Finish, Add	526.98	
			For Baked Enamel Standard Colors, Add	790.46	
			For Anodized Finish, Add	1,053.95	
			For Kynar® Standard Colors Finish, Add	1,449.18	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,149.18	162.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	282.41	
			For Clear Lacquer Finish, Add	564.83	
			For Baked Enamel Standard Colors, Add	847.24	
			For Anodized Finish, Add	1,129.65	
			For Kynar® Standard Colors Finish, Add	1,553.27	



Openings			08	08
Louvers and Vents			08 90	
Louvers			08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,353.81	172.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	300.89	
			For Clear Lacquer Finish, Add	601.77	
			For Baked Enamel Standard Colors, Add	902.66	
			For Anodized Finish, Add	1,203.54	
			For Kynar® Standard Colors Finish, Add	1,654.87	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,627.73	179.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	326.95	
			For Clear Lacquer Finish, Add	653.90	
			For Baked Enamel Standard Colors, Add	980.85	
			For Anodized Finish, Add	1,307.80	
			For Kynar® Standard Colors Finish, Add	1,798.23	
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,855.19	185.74
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	348.37	
			For Clear Lacquer Finish, Add	696.74	
			For Baked Enamel Standard Colors, Add	1,045.11	
			For Anodized Finish, Add	1,393.48	
			For Kynar® Standard Colors Finish, Add	1,916.04	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,135.92	192.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	375.12	
			For Clear Lacquer Finish, Add	750.23	
			For Baked Enamel Standard Colors, Add	1,125.35	
			For Anodized Finish, Add	1,500.46	
			For Kynar® Standard Colors Finish, Add	2,063.14	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,346.21	202.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	394.16	
			For Clear Lacquer Finish, Add	788.31	
			For Baked Enamel Standard Colors, Add	1,182.47	
			For Anodized Finish, Add	1,576.62	
			For Kynar® Standard Colors Finish, Add	2,167.85	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,157.63	79.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.84	
			For Clear Lacquer Finish, Add	199.68	
			For Baked Enamel Standard Colors, Add	299.53	
			For Anodized Finish, Add	399.37	
			For Kynar® Standard Colors Finish, Add	549.13	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,484.32	96.18
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.19	
			For Clear Lacquer Finish, Add	258.39	
			For Baked Enamel Standard Colors, Add	387.58	
			For Anodized Finish, Add	516.78	
			For Kynar® Standard Colors Finish, Add	710.57	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,739.61	112.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.41	
			For Clear Lacquer Finish, Add	302.81	
			For Baked Enamel Standard Colors, Add	454.22	
			For Anodized Finish, Add	605.62	
			For Kynar® Standard Colors Finish, Add	832.73	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,998.80	119.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.00	
			For Clear Lacquer Finish, Add	352.00	
			For Baked Enamel Standard Colors, Add	527.99	
			For Anodized Finish, Add	703.99	
			For Kynar® Standard Colors Finish, Add	967.99	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,280.66	126.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.86	
			For Clear Lacquer Finish, Add	405.71	
			For Baked Enamel Standard Colors, Add	608.57	
			For Anodized Finish, Add	811.43	
			For Kynar® Standard Colors Finish, Add	1,115.71	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,533.03	132.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	226.77	
			For Clear Lacquer Finish, Add	453.54	
			For Baked Enamel Standard Colors, Add	680.31	
			For Anodized Finish, Add	907.08	
			For Kynar® Standard Colors Finish, Add	1,247.23	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,866.86	142.62
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	258.16	
			For Clear Lacquer Finish, Add	516.32	
			For Baked Enamel Standard Colors, Add	774.48	
			For Anodized Finish, Add	1,032.64	
			For Kynar® Standard Colors Finish, Add	1,419.89	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,191.61	152.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	288.65	
			For Clear Lacquer Finish, Add	577.29	
			For Baked Enamel Standard Colors, Add	865.94	
			For Anodized Finish, Add	1,154.58	
			For Kynar® Standard Colors Finish, Add	1,587.55	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,434.77	162.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	310.97	
			For Clear Lacquer Finish, Add	621.94	
			For Baked Enamel Standard Colors, Add	932.92	
			For Anodized Finish, Add	1,243.89	
			For Kynar® Standard Colors Finish, Add	1,710.35	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,674.53	172.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	332.96	
			For Clear Lacquer Finish, Add	665.92	
			For Baked Enamel Standard Colors, Add	998.87	
			For Anodized Finish, Add	1,331.83	
			For Kynar® Standard Colors Finish, Add	1,831.27	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,905.39	179.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	354.72	
			For Clear Lacquer Finish, Add	709.43	
			For Baked Enamel Standard Colors, Add	1,064.15	
			For Anodized Finish, Add	1,418.87	
			For Kynar® Standard Colors Finish, Add	1,950.94	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,211.04	185.74
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	383.96	
			For Clear Lacquer Finish, Add	767.91	
			For Baked Enamel Standard Colors, Add	1,151.87	
			For Anodized Finish, Add	1,535.82	
			For Kynar® Standard Colors Finish, Add	2,111.75	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,465.70	192.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	408.09	
			For Clear Lacquer Finish, Add	816.19	
			For Baked Enamel Standard Colors, Add	1,224.28	
			For Anodized Finish, Add	1,632.38	
			For Kynar® Standard Colors Finish, Add	2,244.52	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,794.02	199.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	439.60	
			For Clear Lacquer Finish, Add	879.20	
			For Baked Enamel Standard Colors, Add	1,318.80	
			For Anodized Finish, Add	1,758.40	
			For Kynar® Standard Colors Finish, Add	2,417.79	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,039.45	208.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	462.15	
			For Clear Lacquer Finish, Add	924.30	
			For Baked Enamel Standard Colors, Add	1,386.46	
			For Anodized Finish, Add	1,848.61	
			For Kynar® Standard Colors Finish, Add	2,541.84	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,228.70	86.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.62	
			For Clear Lacquer Finish, Add	211.24	
			For Baked Enamel Standard Colors, Add	316.87	
			For Anodized Finish, Add	422.49	
			For Kynar® Standard Colors Finish, Add	580.92	
08 91 16 00-0123	EA		60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,582.42	106.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.01	
			For Clear Lacquer Finish, Add	274.03	
			For Baked Enamel Standard Colors, Add	411.04	
			For Anodized Finish, Add	548.06	
			For Kynar® Standard Colors Finish, Add	753.58	
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,843.54	119.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	160.47	
			For Clear Lacquer Finish, Add	320.94	
			For Baked Enamel Standard Colors, Add	481.42	
			For Anodized Finish, Add	641.89	
			For Kynar® Standard Colors Finish, Add	882.60	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,128.80	126.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.67	
			For Clear Lacquer Finish, Add	375.34	
			For Baked Enamel Standard Colors, Add	563.01	
			For Anodized Finish, Add	750.68	
			For Kynar® Standard Colors Finish, Add	1,032.19	



Openings			08	08
Louvers and Vents			08 90	
Louvers			08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,427.48 215.55 431.10 646.65 862.20 1,185.53	135.99
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,694.60 240.94 481.87 722.81 963.74 1,325.14	142.62
08 91 16 00-0128	EA		60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,052.22 274.71 549.41 824.12 1,098.83 1,510.89	152.57
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,386.04 306.10 612.20 918.30 1,224.40 1,683.54	162.53
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,646.19 330.12 660.25 990.37 1,320.50 1,815.68	172.48
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,901.83 353.70 707.39 1,061.09 1,414.79 1,945.33	182.43
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,147.41 376.93 753.86 1,130.79 1,507.72 2,073.11	189.06
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,479.13 408.77 817.55 1,226.32 1,635.10 2,248.26	195.70
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,746.26 434.16 868.32 1,302.48 1,736.64 2,387.88	202.33
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	5,091.58 467.37 934.73 1,402.10 1,869.46 2,570.51	208.96
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	5,345.09 491.39 982.78 1,474.17 1,965.56 2,702.65	215.60
08 91 16 00-0137			Adjustable Intake Wall Louvers Operators (08 91 16)		
08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver	311.13	33.17
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	681.58	13.27

08 91 19 Fixed Louvers (08 91)

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 91 19 00-0001		Fixed Intake Wall Louvers (08 91 19)			
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	401.96		29.85
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	34.23		
		For Clear Lacquer Finish, Add	68.45		
		For Baked Enamel Standard Colors, Add	102.68		
		For Anodized Finish, Add	136.90		
		For Kynar® Standard Colors Finish, Add	188.24		
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	477.56		36.49
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	40.46		
		For Clear Lacquer Finish, Add	80.92		
		For Baked Enamel Standard Colors, Add	121.37		
		For Anodized Finish, Add	161.83		
		For Kynar® Standard Colors Finish, Add	222.52		
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	554.27		43.12
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	46.80		
		For Clear Lacquer Finish, Add	93.61		
		For Baked Enamel Standard Colors, Add	140.41		
		For Anodized Finish, Add	187.22		
		For Kynar® Standard Colors Finish, Add	257.42		
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	650.27		49.76
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	55.08		
		For Clear Lacquer Finish, Add	110.15		
		For Baked Enamel Standard Colors, Add	165.23		
		For Anodized Finish, Add	220.31		
		For Kynar® Standard Colors Finish, Add	302.92		
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	731.54		56.39
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	61.88		
		For Clear Lacquer Finish, Add	123.75		
		For Baked Enamel Standard Colors, Add	185.63		
		For Anodized Finish, Add	247.51		
		For Kynar® Standard Colors Finish, Add	340.32		
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	862.67		63.02
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	73.66		
		For Clear Lacquer Finish, Add	147.33		
		For Baked Enamel Standard Colors, Add	220.99		
		For Anodized Finish, Add	294.65		
		For Kynar® Standard Colors Finish, Add	405.15		
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	934.87		69.66
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	79.56		
		For Clear Lacquer Finish, Add	159.11		
		For Baked Enamel Standard Colors, Add	238.67		
		For Anodized Finish, Add	318.22		
		For Kynar® Standard Colors Finish, Add	437.56		
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,045.43		79.61
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	88.62		
		For Clear Lacquer Finish, Add	177.24		
		For Baked Enamel Standard Colors, Add	265.87		
		For Anodized Finish, Add	354.49		
		For Kynar® Standard Colors Finish, Add	487.42		
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,111.97		86.23
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	93.95		
		For Clear Lacquer Finish, Add	187.90		
		For Baked Enamel Standard Colors, Add	281.85		
		For Anodized Finish, Add	375.80		
		For Kynar® Standard Colors Finish, Add	516.72		
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,202.29		92.87
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	101.66		
		For Clear Lacquer Finish, Add	203.31		
		For Baked Enamel Standard Colors, Add	304.97		
		For Anodized Finish, Add	406.62		
		For Kynar® Standard Colors Finish, Add	559.10		
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,281.29		99.50
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	108.23		
		For Clear Lacquer Finish, Add	216.46		
		For Baked Enamel Standard Colors, Add	324.68		
		For Anodized Finish, Add	432.91		
		For Kynar® Standard Colors Finish, Add	595.25		
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,375.03		106.14
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	116.28		
		For Clear Lacquer Finish, Add	232.55		
		For Baked Enamel Standard Colors, Add	348.83		
		For Anodized Finish, Add	465.10		
		For Kynar® Standard Colors Finish, Add	639.51		



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0014	EA		12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,463.09 123.75 247.51 371.26 495.02 680.65	112.77
08 91 19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,541.92 129.65 259.29 388.94 518.59 713.06	122.72
08 91 19 00-0016	EA		12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,646.81 138.15 276.29 414.44 552.59 759.81	132.67
08 91 19 00-0017	EA		18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	467.36 39.44 78.88 118.31 157.75 216.91	36.49
08 91 19 00-0018	EA		18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	560.91 46.80 93.61 140.41 187.22 257.42	46.44
08 91 19 00-0019	EA		18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	650.11 54.40 108.79 163.19 217.59 299.18	53.07
08 91 19 00-0020	EA		18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	814.90 68.22 136.45 204.67 272.89 375.23	66.34
08 91 19 00-0021	EA		18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	934.70 78.88 157.75 236.63 315.50 433.82	72.98
08 91 19 00-0022	EA		18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,040.90 88.17 176.34 264.51 352.68 484.93	79.61
08 91 19 00-0023	EA		18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,116.50 94.40 188.80 283.21 377.61 519.21	86.23
08 91 19 00-0024	EA		18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,242.93 105.06 210.11 315.17 420.22 577.80	96.18
08 91 19 00-0025	EA		18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,331.96 111.97 223.94 335.90 447.87 615.82	106.14

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0026	EA		18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,447.23	112.77
			For Flange Frame, Add	122.17	
			For Clear Lacquer Finish, Add	244.34	
			For Baked Enamel Standard Colors, Add	366.50	
			For Anodized Finish, Add	488.67	
			For Kynar® Standard Colors Finish, Add	671.92	
08 91 19 00-0027	EA		18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,535.29	119.40
			For Flange Frame, Add	129.65	
			For Clear Lacquer Finish, Add	259.29	
			For Baked Enamel Standard Colors, Add	388.94	
			For Anodized Finish, Add	518.59	
			For Kynar® Standard Colors Finish, Add	713.06	
08 91 19 00-0028	EA		18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,633.56	126.04
			For Flange Frame, Add	138.15	
			For Clear Lacquer Finish, Add	276.29	
			For Baked Enamel Standard Colors, Add	414.44	
			For Anodized Finish, Add	552.59	
			For Kynar® Standard Colors Finish, Add	759.81	
08 91 19 00-0029	EA		18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,736.34	132.67
			For Flange Frame, Add	147.10	
			For Clear Lacquer Finish, Add	294.20	
			For Baked Enamel Standard Colors, Add	441.30	
			For Anodized Finish, Add	588.40	
			For Kynar® Standard Colors Finish, Add	809.05	
08 91 19 00-0030	EA		18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,827.64	142.62
			For Flange Frame, Add	154.24	
			For Clear Lacquer Finish, Add	308.48	
			For Baked Enamel Standard Colors, Add	462.72	
			For Anodized Finish, Add	616.96	
			For Kynar® Standard Colors Finish, Add	848.31	
08 91 19 00-0031	EA		18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,954.07	152.57
			For Flange Frame, Add	164.89	
			For Clear Lacquer Finish, Add	329.78	
			For Baked Enamel Standard Colors, Add	494.68	
			For Anodized Finish, Add	659.57	
			For Kynar® Standard Colors Finish, Add	906.91	
08 91 19 00-0032	EA		24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	540.68	43.12
			For Flange Frame, Add	45.45	
			For Clear Lacquer Finish, Add	90.89	
			For Baked Enamel Standard Colors, Add	136.34	
			For Anodized Finish, Add	181.78	
			For Kynar® Standard Colors Finish, Add	249.95	
08 91 19 00-0033	EA		24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	644.45	53.07
			For Flange Frame, Add	53.83	
			For Clear Lacquer Finish, Add	107.66	
			For Baked Enamel Standard Colors, Add	161.49	
			For Anodized Finish, Add	215.32	
			For Kynar® Standard Colors Finish, Add	296.07	
08 91 19 00-0034	EA		24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	798.08	63.02
			For Flange Frame, Add	67.20	
			For Clear Lacquer Finish, Add	134.41	
			For Baked Enamel Standard Colors, Add	201.61	
			For Anodized Finish, Add	268.82	
			For Kynar® Standard Colors Finish, Add	369.62	
08 91 19 00-0035	EA		24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	941.33	76.29
			For Flange Frame, Add	78.88	
			For Clear Lacquer Finish, Add	157.75	
			For Baked Enamel Standard Colors, Add	236.63	
			For Anodized Finish, Add	315.50	
			For Kynar® Standard Colors Finish, Add	433.82	
08 91 19 00-0036	EA		24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,077.00	82.93
			For Flange Frame, Add	91.12	
			For Clear Lacquer Finish, Add	182.23	
			For Baked Enamel Standard Colors, Add	273.35	
			For Anodized Finish, Add	364.46	
			For Kynar® Standard Colors Finish, Add	501.14	
08 91 19 00-0037	EA		24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,202.46	89.55
			For Flange Frame, Add	102.34	
			For Clear Lacquer Finish, Add	204.67	
			For Baked Enamel Standard Colors, Add	307.01	
			For Anodized Finish, Add	409.34	
			For Kynar® Standard Colors Finish, Add	562.84	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0038	EA		24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,307.36	99.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	110.84	
			For Clear Lacquer Finish, Add	221.67	
			For Baked Enamel Standard Colors, Add	332.51	
			For Anodized Finish, Add	443.34	
			For Kynar® Standard Colors Finish, Add	609.59	
08 91 19 00-0039	EA		24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,447.23	112.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	122.17	
			For Clear Lacquer Finish, Add	244.34	
			For Baked Enamel Standard Colors, Add	366.50	
			For Anodized Finish, Add	488.67	
			For Kynar® Standard Colors Finish, Add	671.92	
08 91 19 00-0040	EA		24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,539.83	119.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	130.10	
			For Clear Lacquer Finish, Add	260.20	
			For Baked Enamel Standard Colors, Add	390.30	
			For Anodized Finish, Add	520.40	
			For Kynar® Standard Colors Finish, Add	715.56	
08 91 19 00-0041	EA		24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,692.14	132.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	142.68	
			For Clear Lacquer Finish, Add	285.36	
			For Baked Enamel Standard Colors, Add	428.04	
			For Anodized Finish, Add	570.72	
			For Kynar® Standard Colors Finish, Add	784.74	
08 91 19 00-0042	EA		24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,788.14	139.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	150.95	
			For Clear Lacquer Finish, Add	301.91	
			For Baked Enamel Standard Colors, Add	452.86	
			For Anodized Finish, Add	603.81	
			For Kynar® Standard Colors Finish, Add	830.24	
08 91 19 00-0043	EA		24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,912.47	145.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	162.06	
			For Clear Lacquer Finish, Add	324.12	
			For Baked Enamel Standard Colors, Add	486.18	
			For Anodized Finish, Add	648.24	
			For Kynar® Standard Colors Finish, Add	891.32	
08 91 19 00-0044	EA		24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,034.54	152.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	172.94	
			For Clear Lacquer Finish, Add	345.88	
			For Baked Enamel Standard Colors, Add	518.82	
			For Anodized Finish, Add	691.76	
			For Kynar® Standard Colors Finish, Add	951.16	
08 91 19 00-0045	EA		24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,128.10	162.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	180.31	
			For Clear Lacquer Finish, Add	360.61	
			For Baked Enamel Standard Colors, Add	540.92	
			For Anodized Finish, Add	721.22	
			For Kynar® Standard Colors Finish, Add	991.68	
08 91 19 00-0046	EA		24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,281.73	172.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	193.68	
			For Clear Lacquer Finish, Add	387.36	
			For Baked Enamel Standard Colors, Add	581.03	
			For Anodized Finish, Add	774.71	
			For Kynar® Standard Colors Finish, Add	1,065.23	
08 91 19 00-0047	EA		30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	606.08	49.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	50.66	
			For Clear Lacquer Finish, Add	101.32	
			For Baked Enamel Standard Colors, Add	151.97	
			For Anodized Finish, Add	202.63	
			For Kynar® Standard Colors Finish, Add	278.62	
08 91 19 00-0048	EA		30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	784.31	66.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	65.16	
			For Clear Lacquer Finish, Add	130.33	
			For Baked Enamel Standard Colors, Add	195.49	
			For Anodized Finish, Add	260.66	
			For Kynar® Standard Colors Finish, Add	358.40	
08 91 19 00-0049	EA		30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	915.27	76.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.27	
			For Clear Lacquer Finish, Add	152.54	
			For Baked Enamel Standard Colors, Add	228.81	
			For Anodized Finish, Add	305.08	
			For Kynar® Standard Colors Finish, Add	419.49	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0050	EA		30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,067.77	86.23
			For Flange Frame, Add	89.53	
			For Clear Lacquer Finish, Add	179.06	
			For Baked Enamel Standard Colors, Add	268.59	
			For Anodized Finish, Add	358.12	
			For Kynar® Standard Colors Finish, Add	492.41	
08 91 19 00-0051	EA		30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,230.62	92.87
			For Flange Frame, Add	104.49	
			For Clear Lacquer Finish, Add	208.98	
			For Baked Enamel Standard Colors, Add	313.46	
			For Anodized Finish, Add	417.95	
			For Kynar® Standard Colors Finish, Add	574.68	
08 91 19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,368.40	102.82
			For Flange Frame, Add	116.28	
			For Clear Lacquer Finish, Add	232.55	
			For Baked Enamel Standard Colors, Add	348.83	
			For Anodized Finish, Add	465.10	
			For Kynar® Standard Colors Finish, Add	639.51	
08 91 19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,471.19	109.45
			For Flange Frame, Add	125.23	
			For Clear Lacquer Finish, Add	250.45	
			For Baked Enamel Standard Colors, Add	375.68	
			For Anodized Finish, Add	500.91	
			For Kynar® Standard Colors Finish, Add	688.75	
08 91 19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,615.76	119.40
			For Flange Frame, Add	137.69	
			For Clear Lacquer Finish, Add	275.39	
			For Baked Enamel Standard Colors, Add	413.08	
			For Anodized Finish, Add	550.78	
			For Kynar® Standard Colors Finish, Add	757.32	
08 91 19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,731.02	126.04
			For Flange Frame, Add	147.89	
			For Clear Lacquer Finish, Add	295.79	
			For Baked Enamel Standard Colors, Add	443.68	
			For Anodized Finish, Add	591.57	
			For Kynar® Standard Colors Finish, Add	813.41	
08 91 19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,907.13	139.31
			For Flange Frame, Add	162.85	
			For Clear Lacquer Finish, Add	325.70	
			For Baked Enamel Standard Colors, Add	488.56	
			For Anodized Finish, Add	651.41	
			For Kynar® Standard Colors Finish, Add	895.69	
08 91 19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,019.96	149.26
			For Flange Frame, Add	172.15	
			For Clear Lacquer Finish, Add	344.29	
			For Baked Enamel Standard Colors, Add	516.44	
			For Anodized Finish, Add	688.58	
			For Kynar® Standard Colors Finish, Add	946.80	
08 91 19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,152.23	155.89
			For Flange Frame, Add	184.05	
			For Clear Lacquer Finish, Add	368.09	
			For Baked Enamel Standard Colors, Add	552.14	
			For Anodized Finish, Add	736.18	
			For Kynar® Standard Colors Finish, Add	1,012.25	
08 91 19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,283.36	162.53
			For Flange Frame, Add	195.83	
			For Clear Lacquer Finish, Add	391.66	
			For Baked Enamel Standard Colors, Add	587.49	
			For Anodized Finish, Add	783.32	
			For Kynar® Standard Colors Finish, Add	1,077.07	
08 91 19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,393.92	172.48
			For Flange Frame, Add	204.90	
			For Clear Lacquer Finish, Add	409.79	
			For Baked Enamel Standard Colors, Add	614.69	
			For Anodized Finish, Add	819.59	
			For Kynar® Standard Colors Finish, Add	1,126.93	
08 91 19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,567.96	182.43
			For Flange Frame, Add	220.31	
			For Clear Lacquer Finish, Add	440.62	
			For Baked Enamel Standard Colors, Add	660.93	
			For Anodized Finish, Add	881.24	
			For Kynar® Standard Colors Finish, Add	1,211.71	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	672.61	56.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.98	
			For Clear Lacquer Finish, Add	111.97	
			For Baked Enamel Standard Colors, Add	167.95	
			For Anodized Finish, Add	223.94	
			For Kynar® Standard Colors Finish, Add	307.91	
08 91 19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	882.57	72.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.66	
			For Clear Lacquer Finish, Add	147.33	
			For Baked Enamel Standard Colors, Add	220.99	
			For Anodized Finish, Add	294.65	
			For Kynar® Standard Colors Finish, Add	405.15	
08 91 19 00-0064	EA		36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,020.33	82.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.45	
			For Clear Lacquer Finish, Add	170.90	
			For Baked Enamel Standard Colors, Add	256.35	
			For Anodized Finish, Add	341.80	
			For Kynar® Standard Colors Finish, Add	469.97	
08 91 19 00-0065	EA		36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,184.16	92.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.84	
			For Clear Lacquer Finish, Add	199.68	
			For Baked Enamel Standard Colors, Add	299.53	
			For Anodized Finish, Add	399.37	
			For Kynar® Standard Colors Finish, Add	549.13	
08 91 19 00-0066	EA		36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,367.81	100.83
			Note: Includes bird screen.		
			For Flange Frame, Add	116.62	
			For Clear Lacquer Finish, Add	233.23	
			For Baked Enamel Standard Colors, Add	349.85	
			For Anodized Finish, Add	466.46	
			For Kynar® Standard Colors Finish, Add	641.38	
08 91 19 00-0067	EA		36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,510.86	109.45
			Note: Includes bird screen.		
			For Flange Frame, Add	129.19	
			For Clear Lacquer Finish, Add	258.39	
			For Baked Enamel Standard Colors, Add	387.58	
			For Anodized Finish, Add	516.78	
			For Kynar® Standard Colors Finish, Add	710.57	
08 91 19 00-0068	EA		36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,634.05	116.09
			Note: Includes bird screen.		
			For Flange Frame, Add	140.19	
			For Clear Lacquer Finish, Add	280.37	
			For Baked Enamel Standard Colors, Add	420.56	
			For Anodized Finish, Add	560.75	
			For Kynar® Standard Colors Finish, Add	771.03	
08 91 19 00-0069	EA		36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,799.02	126.04
			Note: Includes bird screen.		
			For Flange Frame, Add	154.69	
			For Clear Lacquer Finish, Add	309.39	
			For Baked Enamel Standard Colors, Add	464.08	
			For Anodized Finish, Add	618.77	
			For Kynar® Standard Colors Finish, Add	850.81	
08 91 19 00-0070	EA		36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,924.30	135.99
			Note: Includes bird screen.		
			For Flange Frame, Add	165.23	
			For Clear Lacquer Finish, Add	330.46	
			For Baked Enamel Standard Colors, Add	495.70	
			For Anodized Finish, Add	660.93	
			For Kynar® Standard Colors Finish, Add	908.78	
08 91 19 00-0071	EA		36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,122.13	145.94
			Note: Includes bird screen.		
			For Flange Frame, Add	183.03	
			For Clear Lacquer Finish, Add	366.05	
			For Baked Enamel Standard Colors, Add	549.08	
			For Anodized Finish, Add	732.10	
			For Kynar® Standard Colors Finish, Add	1,006.64	
08 91 19 00-0072	EA		36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,253.09	155.89
			Note: Includes bird screen.		
			For Flange Frame, Add	194.13	
			For Clear Lacquer Finish, Add	388.26	
			For Baked Enamel Standard Colors, Add	582.39	
			For Anodized Finish, Add	776.52	
			For Kynar® Standard Colors Finish, Add	1,067.72	
08 91 19 00-0073	EA		36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,394.42	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	206.94	
			For Clear Lacquer Finish, Add	413.87	
			For Baked Enamel Standard Colors, Add	620.81	
			For Anodized Finish, Add	827.75	
			For Kynar® Standard Colors Finish, Add	1,138.15	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0074	EA		36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,541.42	169.16
			Note: Includes bird screen.		
			For Flange Frame, Add	220.31	
			For Clear Lacquer Finish, Add	440.62	
			For Baked Enamel Standard Colors, Add	660.93	
			For Anodized Finish, Add	881.24	
			For Kynar® Standard Colors Finish, Add	1,211.71	
08 91 19 00-0075	EA		36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,667.84	179.11
			Note: Includes bird screen.		
			For Flange Frame, Add	230.96	
			For Clear Lacquer Finish, Add	461.92	
			For Baked Enamel Standard Colors, Add	692.89	
			For Anodized Finish, Add	923.85	
			For Kynar® Standard Colors Finish, Add	1,270.29	
08 91 19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,864.54	189.06
			Note: Includes bird screen.		
			For Flange Frame, Add	248.64	
			For Clear Lacquer Finish, Add	497.28	
			For Baked Enamel Standard Colors, Add	745.93	
			For Anodized Finish, Add	994.57	
			For Kynar® Standard Colors Finish, Add	1,367.53	
08 91 19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	782.21	63.02
			Note: Includes bird screen.		
			For Flange Frame, Add	65.62	
			For Clear Lacquer Finish, Add	131.23	
			For Baked Enamel Standard Colors, Add	196.85	
			For Anodized Finish, Add	262.47	
			For Kynar® Standard Colors Finish, Add	360.89	
08 91 19 00-0078	EA		42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	959.31	79.61
			Note: Includes bird screen.		
			For Flange Frame, Add	80.01	
			For Clear Lacquer Finish, Add	160.02	
			For Baked Enamel Standard Colors, Add	240.03	
			For Anodized Finish, Add	320.04	
			For Kynar® Standard Colors Finish, Add	440.06	
08 91 19 00-0079	EA		42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,111.80	89.55
			Note: Includes bird screen.		
			For Flange Frame, Add	93.27	
			For Clear Lacquer Finish, Add	186.54	
			For Baked Enamel Standard Colors, Add	279.81	
			For Anodized Finish, Add	373.08	
			For Kynar® Standard Colors Finish, Add	512.98	
08 91 19 00-0080	EA		42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,300.40	102.82
			Note: Includes bird screen.		
			For Flange Frame, Add	109.48	
			For Clear Lacquer Finish, Add	218.95	
			For Baked Enamel Standard Colors, Add	328.43	
			For Anodized Finish, Add	437.90	
			For Kynar® Standard Colors Finish, Add	602.11	
08 91 19 00-0081	EA		42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,499.53	109.45
			Note: Includes bird screen.		
			For Flange Frame, Add	128.06	
			For Clear Lacquer Finish, Add	256.12	
			For Baked Enamel Standard Colors, Add	384.18	
			For Anodized Finish, Add	512.24	
			For Kynar® Standard Colors Finish, Add	704.34	
08 91 19 00-0082	EA		42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,658.98	116.09
			Note: Includes bird screen.		
			For Flange Frame, Add	142.68	
			For Clear Lacquer Finish, Add	285.36	
			For Baked Enamel Standard Colors, Add	428.04	
			For Anodized Finish, Add	570.72	
			For Kynar® Standard Colors Finish, Add	784.74	
08 91 19 00-0083	EA		42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,796.91	122.72
			Note: Includes bird screen.		
			For Flange Frame, Add	155.15	
			For Clear Lacquer Finish, Add	310.29	
			For Baked Enamel Standard Colors, Add	465.44	
			For Anodized Finish, Add	620.58	
			For Kynar® Standard Colors Finish, Add	853.30	
08 91 19 00-0084	EA		42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,961.86	132.67
			Note: Includes bird screen.		
			For Flange Frame, Add	169.65	
			For Clear Lacquer Finish, Add	339.30	
			For Baked Enamel Standard Colors, Add	508.96	
			For Anodized Finish, Add	678.61	
			For Kynar® Standard Colors Finish, Add	933.09	
08 91 19 00-0085	EA		42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,103.03	142.62
			Note: Includes bird screen.		
			For Flange Frame, Add	181.78	
			For Clear Lacquer Finish, Add	363.56	
			For Baked Enamel Standard Colors, Add	545.33	
			For Anodized Finish, Add	727.11	
			For Kynar® Standard Colors Finish, Add	999.78	



Openings			08	08
Louvers and Vents			08 90	
Louvers			08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0086	EA		42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,322.39	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	201.72	
			For Clear Lacquer Finish, Add	403.45	
			For Baked Enamel Standard Colors, Add	605.17	
			For Anodized Finish, Add	806.90	
			For Kynar® Standard Colors Finish, Add	1,109.48	
08 91 19 00-0087	EA		42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,463.55	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	213.85	
			For Clear Lacquer Finish, Add	427.70	
			For Baked Enamel Standard Colors, Add	641.55	
			For Anodized Finish, Add	855.40	
			For Kynar® Standard Colors Finish, Add	1,176.18	
08 91 19 00-0088	EA		42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,623.01	169.16
			Note: Includes bird screen.		
			For Flange Frame, Add	228.47	
			For Clear Lacquer Finish, Add	456.94	
			For Baked Enamel Standard Colors, Add	685.41	
			For Anodized Finish, Add	913.88	
			For Kynar® Standard Colors Finish, Add	1,256.58	
08 91 19 00-0089	EA		42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,783.61	175.79
			Note: Includes bird screen.		
			For Flange Frame, Add	243.20	
			For Clear Lacquer Finish, Add	486.40	
			For Baked Enamel Standard Colors, Add	729.61	
			For Anodized Finish, Add	972.81	
			For Kynar® Standard Colors Finish, Add	1,337.61	
08 91 19 00-0090	EA		42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,932.70	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	256.12	
			For Clear Lacquer Finish, Add	512.24	
			For Baked Enamel Standard Colors, Add	768.36	
			For Anodized Finish, Add	1,024.48	
			For Kynar® Standard Colors Finish, Add	1,408.67	
08 91 19 00-0091	EA		42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,144.13	195.70
			Note: Includes bird screen.		
			For Flange Frame, Add	275.27	
			For Clear Lacquer Finish, Add	550.55	
			For Baked Enamel Standard Colors, Add	825.82	
			For Anodized Finish, Add	1,101.10	
			For Kynar® Standard Colors Finish, Add	1,514.01	
08 91 19 00-0092	EA		48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	855.54	69.66
			Note: Includes bird screen.		
			For Flange Frame, Add	71.62	
			For Clear Lacquer Finish, Add	143.25	
			For Baked Enamel Standard Colors, Add	214.87	
			For Anodized Finish, Add	286.49	
			For Kynar® Standard Colors Finish, Add	393.93	
08 91 19 00-0093	EA		48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,048.51	86.23
			Note: Includes bird screen.		
			For Flange Frame, Add	87.60	
			For Clear Lacquer Finish, Add	175.21	
			For Baked Enamel Standard Colors, Add	262.81	
			For Anodized Finish, Add	350.41	
			For Kynar® Standard Colors Finish, Add	481.82	
08 91 19 00-0094	EA		48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,228.03	99.50
			Note: Includes bird screen.		
			For Flange Frame, Add	102.90	
			For Clear Lacquer Finish, Add	205.80	
			For Baked Enamel Standard Colors, Add	308.71	
			For Anodized Finish, Add	411.61	
			For Kynar® Standard Colors Finish, Add	565.96	
08 91 19 00-0095	EA		48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,413.40	109.45
			Note: Includes bird screen.		
			For Flange Frame, Add	119.45	
			For Clear Lacquer Finish, Add	238.90	
			For Baked Enamel Standard Colors, Add	358.34	
			For Anodized Finish, Add	477.79	
			For Kynar® Standard Colors Finish, Add	656.96	
08 91 19 00-0096	EA		48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,640.85	116.09
			Note: Includes bird screen.		
			For Flange Frame, Add	140.87	
			For Clear Lacquer Finish, Add	281.73	
			For Baked Enamel Standard Colors, Add	422.60	
			For Anodized Finish, Add	563.47	
			For Kynar® Standard Colors Finish, Add	774.77	
08 91 19 00-0097	EA		48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,825.24	122.72
			Note: Includes bird screen.		
			For Flange Frame, Add	157.98	
			For Clear Lacquer Finish, Add	315.96	
			For Baked Enamel Standard Colors, Add	473.94	
			For Anodized Finish, Add	631.92	
			For Kynar® Standard Colors Finish, Add	868.88	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,977.73	132.67
			Note: Includes bird screen.		
			For Flange Frame, Add	171.24	
			For Clear Lacquer Finish, Add	342.48	
			For Baked Enamel Standard Colors, Add	513.72	
			For Anodized Finish, Add	684.96	
			For Kynar® Standard Colors Finish, Add	941.81	
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,217.49	142.62
			Note: Includes bird screen.		
			For Flange Frame, Add	193.22	
			For Clear Lacquer Finish, Add	386.45	
			For Baked Enamel Standard Colors, Add	579.67	
			For Anodized Finish, Add	772.90	
			For Kynar® Standard Colors Finish, Add	1,062.73	
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,322.39	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	201.72	
			For Clear Lacquer Finish, Add	403.45	
			For Baked Enamel Standard Colors, Add	605.17	
			For Anodized Finish, Add	806.90	
			For Kynar® Standard Colors Finish, Add	1,109.48	
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,556.48	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	223.14	
			For Clear Lacquer Finish, Add	446.29	
			For Baked Enamel Standard Colors, Add	669.43	
			For Anodized Finish, Add	892.57	
			For Kynar® Standard Colors Finish, Add	1,227.29	
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,719.17	172.48
			Note: Includes bird screen.		
			For Flange Frame, Add	237.42	
			For Clear Lacquer Finish, Add	474.84	
			For Baked Enamel Standard Colors, Add	712.27	
			For Anodized Finish, Add	949.69	
			For Kynar® Standard Colors Finish, Add	1,305.82	
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,896.77	179.11
			Note: Includes bird screen.		
			For Flange Frame, Add	253.86	
			For Clear Lacquer Finish, Add	507.71	
			For Baked Enamel Standard Colors, Add	761.57	
			For Anodized Finish, Add	1,015.42	
			For Kynar® Standard Colors Finish, Add	1,396.20	
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,074.36	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	270.29	
			For Clear Lacquer Finish, Add	540.57	
			For Baked Enamel Standard Colors, Add	810.86	
			For Anodized Finish, Add	1,081.15	
			For Kynar® Standard Colors Finish, Add	1,486.58	
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,222.49	192.38
			Note: Includes bird screen.		
			For Flange Frame, Add	283.77	
			For Clear Lacquer Finish, Add	567.55	
			For Baked Enamel Standard Colors, Add	851.32	
			For Anodized Finish, Add	1,135.09	
			For Kynar® Standard Colors Finish, Add	1,560.75	
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,465.65	202.33
			Note: Includes bird screen.		
			For Flange Frame, Add	306.10	
			For Clear Lacquer Finish, Add	612.20	
			For Baked Enamel Standard Colors, Add	918.30	
			For Anodized Finish, Add	1,224.40	
			For Kynar® Standard Colors Finish, Add	1,683.54	
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	947.97	79.61
			Note: Includes bird screen.		
			For Flange Frame, Add	78.88	
			For Clear Lacquer Finish, Add	157.75	
			For Baked Enamel Standard Colors, Add	236.63	
			For Anodized Finish, Add	315.50	
			For Kynar® Standard Colors Finish, Add	433.82	
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,163.60	96.18
			Note: Includes bird screen.		
			For Flange Frame, Add	97.12	
			For Clear Lacquer Finish, Add	194.24	
			For Baked Enamel Standard Colors, Add	291.37	
			For Anodized Finish, Add	388.49	
			For Kynar® Standard Colors Finish, Add	534.17	
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,362.23	112.77
			Note: Includes bird screen.		
			For Flange Frame, Add	113.67	
			For Clear Lacquer Finish, Add	227.34	
			For Baked Enamel Standard Colors, Add	341.00	
			For Anodized Finish, Add	454.67	
			For Kynar® Standard Colors Finish, Add	625.17	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,560.22	119.40
			Note: Includes bird screen.		
			For Flange Frame, Add	132.14	
			For Clear Lacquer Finish, Add	264.28	
			For Baked Enamel Standard Colors, Add	396.42	
			For Anodized Finish, Add	528.56	
			For Kynar® Standard Colors Finish, Add	726.77	
08 91 19 00-0111	EA		54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,831.88	126.04
			Note: Includes bird screen.		
			For Flange Frame, Add	157.98	
			For Clear Lacquer Finish, Add	315.96	
			For Baked Enamel Standard Colors, Add	473.94	
			For Anodized Finish, Add	631.92	
			For Kynar® Standard Colors Finish, Add	868.88	
08 91 19 00-0112	EA		54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,020.79	132.67
			Note: Includes bird screen.		
			For Flange Frame, Add	175.55	
			For Clear Lacquer Finish, Add	351.09	
			For Baked Enamel Standard Colors, Add	526.64	
			For Anodized Finish, Add	702.18	
			For Kynar® Standard Colors Finish, Add	965.50	
08 91 19 00-0113	EA		54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,199.36	142.62
			Note: Includes bird screen.		
			For Flange Frame, Add	191.41	
			For Clear Lacquer Finish, Add	382.82	
			For Baked Enamel Standard Colors, Add	574.23	
			For Anodized Finish, Add	765.64	
			For Kynar® Standard Colors Finish, Add	1,052.76	
08 91 19 00-0114	EA		54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,460.65	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	215.55	
			For Clear Lacquer Finish, Add	431.10	
			For Baked Enamel Standard Colors, Add	646.65	
			For Anodized Finish, Add	862.20	
			For Kynar® Standard Colors Finish, Add	1,185.53	
08 91 19 00-0115	EA		54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,644.87	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	231.98	
			For Clear Lacquer Finish, Add	463.96	
			For Baked Enamel Standard Colors, Add	695.95	
			For Anodized Finish, Add	927.93	
			For Kynar® Standard Colors Finish, Add	1,275.90	
08 91 19 00-0116	EA		54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,918.63	172.48
			Note: Includes bird screen.		
			For Flange Frame, Add	257.37	
			For Clear Lacquer Finish, Add	514.74	
			For Baked Enamel Standard Colors, Add	772.10	
			For Anodized Finish, Add	1,029.47	
			For Kynar® Standard Colors Finish, Add	1,415.52	
08 91 19 00-0117	EA		54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,095.09	179.11
			Note: Includes bird screen.		
			For Flange Frame, Add	273.69	
			For Clear Lacquer Finish, Add	547.37	
			For Baked Enamel Standard Colors, Add	821.06	
			For Anodized Finish, Add	1,094.75	
			For Kynar® Standard Colors Finish, Add	1,505.28	
08 91 19 00-0118	EA		54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,296.49	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	292.50	
			For Clear Lacquer Finish, Add	585.00	
			For Baked Enamel Standard Colors, Add	877.50	
			For Anodized Finish, Add	1,170.00	
			For Kynar® Standard Colors Finish, Add	1,608.75	
08 91 19 00-0119	EA		54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,489.95	192.38
			Note: Includes bird screen.		
			For Flange Frame, Add	310.52	
			For Clear Lacquer Finish, Add	621.04	
			For Baked Enamel Standard Colors, Add	931.56	
			For Anodized Finish, Add	1,242.08	
			For Kynar® Standard Colors Finish, Add	1,707.85	
08 91 19 00-0120	EA		54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,650.54	199.01
			Note: Includes bird screen.		
			For Flange Frame, Add	325.25	
			For Clear Lacquer Finish, Add	650.50	
			For Baked Enamel Standard Colors, Add	975.75	
			For Anodized Finish, Add	1,301.00	
			For Kynar® Standard Colors Finish, Add	1,788.88	
08 91 19 00-0121	EA		54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,933.36	208.96
			Note: Includes bird screen.		
			For Flange Frame, Add	351.54	
			For Clear Lacquer Finish, Add	703.09	
			For Baked Enamel Standard Colors, Add	1,054.63	
			For Anodized Finish, Add	1,406.17	
			For Kynar® Standard Colors Finish, Add	1,933.49	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0122	EA		60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,019.04	86.23
			Note: Includes bird screen.		
			For Flange Frame, Add	84.66	
			For Clear Lacquer Finish, Add	169.31	
			For Baked Enamel Standard Colors, Add	253.97	
			For Anodized Finish, Add	338.62	
			For Kynar® Standard Colors Finish, Add	465.61	
08 91 19 00-0123	EA		60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,257.16	106.14
			Note: Includes bird screen.		
			For Flange Frame, Add	104.49	
			For Clear Lacquer Finish, Add	208.98	
			For Baked Enamel Standard Colors, Add	313.46	
			For Anodized Finish, Add	417.95	
			For Kynar® Standard Colors Finish, Add	574.68	
08 91 19 00-0124	EA		60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,460.50	119.40
			Note: Includes bird screen.		
			For Flange Frame, Add	122.17	
			For Clear Lacquer Finish, Add	244.34	
			For Baked Enamel Standard Colors, Add	366.50	
			For Anodized Finish, Add	488.67	
			For Kynar® Standard Colors Finish, Add	671.92	
08 91 19 00-0125	EA		60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,689.09	126.04
			Note: Includes bird screen.		
			For Flange Frame, Add	143.70	
			For Clear Lacquer Finish, Add	287.40	
			For Baked Enamel Standard Colors, Add	431.10	
			For Anodized Finish, Add	574.80	
			For Kynar® Standard Colors Finish, Add	790.35	
08 91 19 00-0126	EA		60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,973.03	135.99
			Note: Includes bird screen.		
			For Flange Frame, Add	170.11	
			For Clear Lacquer Finish, Add	340.21	
			For Baked Enamel Standard Colors, Add	510.32	
			For Anodized Finish, Add	680.42	
			For Kynar® Standard Colors Finish, Add	935.58	
08 91 19 00-0127	EA		60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,184.63	142.62
			Note: Includes bird screen.		
			For Flange Frame, Add	189.94	
			For Clear Lacquer Finish, Add	379.88	
			For Baked Enamel Standard Colors, Add	569.81	
			For Anodized Finish, Add	759.75	
			For Kynar® Standard Colors Finish, Add	1,044.66	
08 91 19 00-0128	EA		60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,371.12	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	206.60	
			For Clear Lacquer Finish, Add	413.19	
			For Baked Enamel Standard Colors, Add	619.79	
			For Anodized Finish, Add	826.39	
			For Kynar® Standard Colors Finish, Add	1,136.28	
08 91 19 00-0129	EA		60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,650.54	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	232.55	
			For Clear Lacquer Finish, Add	465.10	
			For Baked Enamel Standard Colors, Add	697.65	
			For Anodized Finish, Add	930.20	
			For Kynar® Standard Colors Finish, Add	1,279.02	
08 91 19 00-0130	EA		60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,848.37	172.48
			Note: Includes bird screen.		
			For Flange Frame, Add	250.34	
			For Clear Lacquer Finish, Add	500.68	
			For Baked Enamel Standard Colors, Add	751.03	
			For Anodized Finish, Add	1,001.37	
			For Kynar® Standard Colors Finish, Add	1,376.88	
08 91 19 00-0131	EA		60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,144.80	182.43
			Note: Includes bird screen.		
			For Flange Frame, Add	277.99	
			For Clear Lacquer Finish, Add	555.99	
			For Baked Enamel Standard Colors, Add	833.98	
			For Anodized Finish, Add	1,111.98	
			For Kynar® Standard Colors Finish, Add	1,528.97	
08 91 19 00-0132	EA		60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,332.58	189.06
			Note: Includes bird screen.		
			For Flange Frame, Add	295.45	
			For Clear Lacquer Finish, Add	590.89	
			For Baked Enamel Standard Colors, Add	886.34	
			For Anodized Finish, Add	1,181.78	
			For Kynar® Standard Colors Finish, Add	1,624.95	
08 91 19 00-0133	EA		60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,546.44	195.70
			Note: Includes bird screen.		
			For Flange Frame, Add	315.51	
			For Clear Lacquer Finish, Add	631.01	
			For Baked Enamel Standard Colors, Add	946.52	
			For Anodized Finish, Add	1,262.02	
			For Kynar® Standard Colors Finish, Add	1,735.28	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0134	EA		60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,755.77 335.11 670.22 1,005.33 1,340.44 1,843.11	202.33
08 91 19 00-0135	EA		60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,933.36 351.54 703.09 1,054.63 1,406.17 1,933.49	208.96
08 91 19 00-0136	EA		60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	4,228.81 379.76 759.52 1,139.29 1,519.05 2,088.69	215.60
08 91 19 00-0137	EA		66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,173.96 98.82 197.64 296.47 395.29 543.52	92.87
08 91 19 00-0138	EA		66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,451.76 122.62 245.24 367.86 490.48 674.42	112.77
08 91 19 00-0139	EA		66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,692.14 142.68 285.36 428.04 570.72 784.74	132.67
08 91 19 00-0140	EA		66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,941.13 166.25 332.50 498.76 665.01 914.39	139.31
08 91 19 00-0141	EA		66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,271.72 197.98 395.97 593.95 791.94 1,088.91	145.94
08 91 19 00-0142	EA		66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,502.58 219.74 439.49 659.23 878.97 1,208.59	152.57
08 91 19 00-0143	EA		66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,725.34 240.03 480.06 720.09 960.12 1,320.16	162.53
08 91 19 00-0144	EA		66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,986.63 264.17 528.34 792.50 1,056.67 1,452.92	172.48
08 91 19 00-0145	EA		66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,208.26 284.34 568.68 853.02 1,137.36 1,563.87	182.43

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0146	EA		66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,548.71	195.70
			Note: Includes bird screen.		
			For Flange Frame, Add	315.73	
			For Clear Lacquer Finish, Add	631.46	
			For Baked Enamel Standard Colors, Add	947.20	
			For Anodized Finish, Add	1,262.93	
			For Kynar® Standard Colors Finish, Add	1,736.53	
08 91 19 00-0147	EA		66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,762.40	205.65
			Note: Includes bird screen.		
			For Flange Frame, Add	335.11	
			For Clear Lacquer Finish, Add	670.22	
			For Baked Enamel Standard Colors, Add	1,005.33	
			For Anodized Finish, Add	1,340.44	
			For Kynar® Standard Colors Finish, Add	1,843.11	
08 91 19 00-0148	EA		66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,988.72	212.28
			Note: Includes bird screen.		
			For Flange Frame, Add	356.42	
			For Clear Lacquer Finish, Add	712.83	
			For Baked Enamel Standard Colors, Add	1,069.25	
			For Anodized Finish, Add	1,425.67	
			For Kynar® Standard Colors Finish, Add	1,960.29	
08 91 19 00-0149	EA		66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,219.58	218.92
			Note: Includes bird screen.		
			For Flange Frame, Add	378.18	
			For Clear Lacquer Finish, Add	756.35	
			For Baked Enamel Standard Colors, Add	1,134.53	
			For Anodized Finish, Add	1,512.70	
			For Kynar® Standard Colors Finish, Add	2,079.97	
08 91 19 00-0150	EA		66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,419.84	225.55
			Note: Includes bird screen.		
			For Flange Frame, Add	396.88	
			For Clear Lacquer Finish, Add	793.75	
			For Baked Enamel Standard Colors, Add	1,190.63	
			For Anodized Finish, Add	1,587.50	
			For Kynar® Standard Colors Finish, Add	2,182.81	
08 91 19 00-0151	EA		66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,749.29	232.18
			Note: Includes bird screen.		
			For Flange Frame, Add	428.49	
			For Clear Lacquer Finish, Add	856.99	
			For Baked Enamel Standard Colors, Add	1,285.48	
			For Anodized Finish, Add	1,713.97	
			For Kynar® Standard Colors Finish, Add	2,356.71	
08 91 19 00-0152	EA		72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,239.36	99.50
			Note: Includes bird screen.		
			For Flange Frame, Add	104.04	
			For Clear Lacquer Finish, Add	208.07	
			For Baked Enamel Standard Colors, Add	312.11	
			For Anodized Finish, Add	416.14	
			For Kynar® Standard Colors Finish, Add	572.19	
08 91 19 00-0153	EA		72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,530.76	119.40
			Note: Includes bird screen.		
			For Flange Frame, Add	129.19	
			For Clear Lacquer Finish, Add	258.39	
			For Baked Enamel Standard Colors, Add	387.58	
			For Anodized Finish, Add	516.78	
			For Kynar® Standard Colors Finish, Add	710.57	
08 91 19 00-0154	EA		72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,783.61	139.31
			Note: Includes bird screen.		
			For Flange Frame, Add	150.50	
			For Clear Lacquer Finish, Add	301.00	
			For Baked Enamel Standard Colors, Add	451.50	
			For Anodized Finish, Add	602.00	
			For Kynar® Standard Colors Finish, Add	827.75	
08 91 19 00-0155	EA		72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,053.96	149.26
			Note: Includes bird screen.		
			For Flange Frame, Add	175.55	
			For Clear Lacquer Finish, Add	351.09	
			For Baked Enamel Standard Colors, Add	526.64	
			For Anodized Finish, Add	702.18	
			For Kynar® Standard Colors Finish, Add	965.50	
08 91 19 00-0156	EA		72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,408.35	155.89
			Note: Includes bird screen.		
			For Flange Frame, Add	209.66	
			For Clear Lacquer Finish, Add	419.31	
			For Baked Enamel Standard Colors, Add	628.97	
			For Anodized Finish, Add	838.63	
			For Kynar® Standard Colors Finish, Add	1,153.11	
08 91 19 00-0157	EA		72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,651.67	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	232.66	
			For Clear Lacquer Finish, Add	465.32	
			For Baked Enamel Standard Colors, Add	697.99	
			For Anodized Finish, Add	930.65	
			For Kynar® Standard Colors Finish, Add	1,279.64	



		Openings	08
		Louvers and Vents	08 90
		Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0158 EA 72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,889.16	172.48
Note: Includes bird screen.		
For Flange Frame, Add	254.42	
For Clear Lacquer Finish, Add	508.84	
For Baked Enamel Standard Colors, Add	763.26	
For Anodized Finish, Add	1,017.68	
For Kynar® Standard Colors Finish, Add	1,399.32	
08 91 19 00-0159 EA 72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,158.55	179.11
Note: Includes bird screen.		
For Flange Frame, Add	280.03	
For Clear Lacquer Finish, Add	560.07	
For Baked Enamel Standard Colors, Add	840.10	
For Anodized Finish, Add	1,120.13	
For Kynar® Standard Colors Finish, Add	1,540.18	
08 91 19 00-0160 EA 72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,390.38	189.06
Note: Includes bird screen.		
For Flange Frame, Add	301.23	
For Clear Lacquer Finish, Add	602.45	
For Baked Enamel Standard Colors, Add	903.68	
For Anodized Finish, Add	1,204.90	
For Kynar® Standard Colors Finish, Add	1,656.74	
08 91 19 00-0161 EA 72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,762.40	205.65
Note: Includes bird screen.		
For Flange Frame, Add	335.11	
For Clear Lacquer Finish, Add	670.22	
For Baked Enamel Standard Colors, Add	1,005.33	
For Anodized Finish, Add	1,340.44	
For Kynar® Standard Colors Finish, Add	1,843.11	
08 91 19 00-0162 EA 72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,997.62	215.60
Note: Includes bird screen.		
For Flange Frame, Add	356.64	
For Clear Lacquer Finish, Add	713.29	
For Baked Enamel Standard Colors, Add	1,069.93	
For Anodized Finish, Add	1,426.57	
For Kynar® Standard Colors Finish, Add	1,961.54	
08 91 19 00-0163 EA 72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,230.74	222.23
Note: Includes bird screen.		
For Flange Frame, Add	378.63	
For Clear Lacquer Finish, Add	757.26	
For Baked Enamel Standard Colors, Add	1,135.89	
For Anodized Finish, Add	1,514.52	
For Kynar® Standard Colors Finish, Add	2,082.46	
08 91 19 00-0164 EA 72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,467.26	228.87
Note: Includes bird screen.		
For Flange Frame, Add	400.95	
For Clear Lacquer Finish, Add	801.91	
For Baked Enamel Standard Colors, Add	1,202.86	
For Anodized Finish, Add	1,603.82	
For Kynar® Standard Colors Finish, Add	2,205.25	
08 91 19 00-0165 EA 72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,689.06	235.50
Note: Includes bird screen.		
For Flange Frame, Add	421.81	
For Clear Lacquer Finish, Add	843.61	
For Baked Enamel Standard Colors, Add	1,265.42	
For Anodized Finish, Add	1,687.23	
For Kynar® Standard Colors Finish, Add	2,319.94	
08 91 19 00-0166 EA 72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,040.05	242.13
Note: Includes bird screen.		
For Flange Frame, Add	455.58	
For Clear Lacquer Finish, Add	911.16	
For Baked Enamel Standard Colors, Add	1,366.74	
For Anodized Finish, Add	1,822.32	
For Kynar® Standard Colors Finish, Add	2,505.68	
08 91 19 00-0167 EA 78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,318.36	106.14
Note: Includes bird screen.		
For Flange Frame, Add	110.61	
For Clear Lacquer Finish, Add	221.22	
For Baked Enamel Standard Colors, Add	331.82	
For Anodized Finish, Add	442.43	
For Kynar® Standard Colors Finish, Add	608.34	
08 91 19 00-0168 EA 78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,617.69	126.04
Note: Includes bird screen.		
For Flange Frame, Add	136.56	
For Clear Lacquer Finish, Add	273.12	
For Baked Enamel Standard Colors, Add	409.68	
For Anodized Finish, Add	546.24	
For Kynar® Standard Colors Finish, Add	751.08	
08 91 19 00-0169 EA 78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,876.21	145.94
Note: Includes bird screen.		
For Flange Frame, Add	158.43	
For Clear Lacquer Finish, Add	316.87	
For Baked Enamel Standard Colors, Add	475.30	
For Anodized Finish, Add	633.73	
For Kynar® Standard Colors Finish, Add	871.38	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,164.69	155.89
			Note: Includes bird screen.		
			For Flange Frame, Add	185.29	
			For Clear Lacquer Finish, Add	370.58	
			For Baked Enamel Standard Colors, Add	555.87	
			For Anodized Finish, Add	741.16	
			For Kynar® Standard Colors Finish, Add	1,019.10	
08 91 19 00-0171	EA		78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,539.48	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	221.44	
			For Clear Lacquer Finish, Add	442.89	
			For Baked Enamel Standard Colors, Add	664.33	
			For Anodized Finish, Add	885.77	
			For Kynar® Standard Colors Finish, Add	1,217.94	
08 91 19 00-0172	EA		78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,793.00	169.16
			Note: Includes bird screen.		
			For Flange Frame, Add	245.47	
			For Clear Lacquer Finish, Add	490.94	
			For Baked Enamel Standard Colors, Add	736.40	
			For Anodized Finish, Add	981.87	
			For Kynar® Standard Colors Finish, Add	1,350.07	
08 91 19 00-0173	EA		78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,047.49	179.11
			Note: Includes bird screen.		
			For Flange Frame, Add	268.93	
			For Clear Lacquer Finish, Add	537.85	
			For Baked Enamel Standard Colors, Add	806.78	
			For Anodized Finish, Add	1,075.71	
			For Kynar® Standard Colors Finish, Add	1,479.10	
08 91 19 00-0174	EA		78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,332.75	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	296.13	
			For Clear Lacquer Finish, Add	592.25	
			For Baked Enamel Standard Colors, Add	888.38	
			For Anodized Finish, Add	1,184.50	
			For Kynar® Standard Colors Finish, Add	1,628.69	
08 91 19 00-0175	EA		78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,581.57	195.70
			Note: Includes bird screen.		
			For Flange Frame, Add	319.02	
			For Clear Lacquer Finish, Add	638.04	
			For Baked Enamel Standard Colors, Add	957.05	
			For Anodized Finish, Add	1,276.07	
			For Kynar® Standard Colors Finish, Add	1,754.60	
08 91 19 00-0176	EA		78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,977.38	212.28
			Note: Includes bird screen.		
			For Flange Frame, Add	355.28	
			For Clear Lacquer Finish, Add	710.57	
			For Baked Enamel Standard Colors, Add	1,065.85	
			For Anodized Finish, Add	1,421.13	
			For Kynar® Standard Colors Finish, Add	1,954.06	
08 91 19 00-0177	EA		78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,223.94	222.23
			Note: Includes bird screen.		
			For Flange Frame, Add	377.95	
			For Clear Lacquer Finish, Add	755.90	
			For Baked Enamel Standard Colors, Add	1,133.85	
			For Anodized Finish, Add	1,511.80	
			For Kynar® Standard Colors Finish, Add	2,078.72	
08 91 19 00-0178	EA		78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,481.84	232.18
			Note: Includes bird screen.		
			For Flange Frame, Add	401.75	
			For Clear Lacquer Finish, Add	803.50	
			For Baked Enamel Standard Colors, Add	1,205.24	
			For Anodized Finish, Add	1,606.99	
			For Kynar® Standard Colors Finish, Add	2,209.61	
08 91 19 00-0179	EA		78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,718.36	238.82
			Note: Includes bird screen.		
			For Flange Frame, Add	424.07	
			For Clear Lacquer Finish, Add	848.15	
			For Baked Enamel Standard Colors, Add	1,272.22	
			For Anodized Finish, Add	1,696.29	
			For Kynar® Standard Colors Finish, Add	2,332.40	
08 91 19 00-0180	EA		78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,954.88	245.45
			Note: Includes bird screen.		
			For Flange Frame, Add	446.40	
			For Clear Lacquer Finish, Add	892.80	
			For Baked Enamel Standard Colors, Add	1,339.20	
			For Anodized Finish, Add	1,785.60	
			For Kynar® Standard Colors Finish, Add	2,455.19	
08 91 19 00-0181	EA		78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,328.53	252.09
			Note: Includes bird screen.		
			For Flange Frame, Add	482.44	
			For Clear Lacquer Finish, Add	964.87	
			For Baked Enamel Standard Colors, Add	1,447.31	
			For Anodized Finish, Add	1,929.75	
			For Kynar® Standard Colors Finish, Add	2,653.40	



		Openings	08	08
		Louvers and Vents	08 90	
		Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0182	EA		84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,382.63	112.77
			Note: Includes bird screen.		
			For Flange Frame, Add	115.71	
			For Clear Lacquer Finish, Add	231.42	
			For Baked Enamel Standard Colors, Add	347.12	
			For Anodized Finish, Add	462.83	
			For Kynar® Standard Colors Finish, Add	636.39	
08 91 19 00-0183	EA		84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,694.41	132.67
			Note: Includes bird screen.		
			For Flange Frame, Add	142.91	
			For Clear Lacquer Finish, Add	285.81	
			For Baked Enamel Standard Colors, Add	428.72	
			For Anodized Finish, Add	571.63	
			For Kynar® Standard Colors Finish, Add	785.99	
08 91 19 00-0184	EA		84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,980.14	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	167.50	
			For Clear Lacquer Finish, Add	335.00	
			For Baked Enamel Standard Colors, Add	502.50	
			For Anodized Finish, Add	670.00	
			For Kynar® Standard Colors Finish, Add	921.24	
08 91 19 00-0185	EA		84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,277.69	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	195.26	
			For Clear Lacquer Finish, Add	390.53	
			For Baked Enamel Standard Colors, Add	585.79	
			For Anodized Finish, Add	781.06	
			For Kynar® Standard Colors Finish, Add	1,073.95	
08 91 19 00-0186	EA		84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,676.28	169.16
			Note: Includes bird screen.		
			For Flange Frame, Add	233.80	
			For Clear Lacquer Finish, Add	467.59	
			For Baked Enamel Standard Colors, Add	701.39	
			For Anodized Finish, Add	935.18	
			For Kynar® Standard Colors Finish, Add	1,285.88	
08 91 19 00-0187	EA		84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,944.53	175.79
			Note: Includes bird screen.		
			For Flange Frame, Add	259.29	
			For Clear Lacquer Finish, Add	518.59	
			For Baked Enamel Standard Colors, Add	777.88	
			For Anodized Finish, Add	1,037.18	
			For Kynar® Standard Colors Finish, Add	1,426.12	
08 91 19 00-0188	EA		84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,204.69	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	283.32	
			For Clear Lacquer Finish, Add	566.64	
			For Baked Enamel Standard Colors, Add	849.96	
			For Anodized Finish, Add	1,133.28	
			For Kynar® Standard Colors Finish, Add	1,558.26	
08 91 19 00-0189	EA		84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,512.61	192.38
			Note: Includes bird screen.		
			For Flange Frame, Add	312.79	
			For Clear Lacquer Finish, Add	625.57	
			For Baked Enamel Standard Colors, Add	938.36	
			For Anodized Finish, Add	1,251.14	
			For Kynar® Standard Colors Finish, Add	1,720.32	
08 91 19 00-0190	EA		84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,773.90	202.33
			Note: Includes bird screen.		
			For Flange Frame, Add	336.92	
			For Clear Lacquer Finish, Add	673.85	
			For Baked Enamel Standard Colors, Add	1,010.77	
			For Anodized Finish, Add	1,347.70	
			For Kynar® Standard Colors Finish, Add	1,853.08	
08 91 19 00-0191	EA		84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,193.51	218.92
			Note: Includes bird screen.		
			For Flange Frame, Add	375.57	
			For Clear Lacquer Finish, Add	751.14	
			For Baked Enamel Standard Colors, Add	1,126.71	
			For Anodized Finish, Add	1,502.28	
			For Kynar® Standard Colors Finish, Add	2,065.63	
08 91 19 00-0192	EA		84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,449.13	228.87
			Note: Includes bird screen.		
			For Flange Frame, Add	399.14	
			For Clear Lacquer Finish, Add	798.28	
			For Baked Enamel Standard Colors, Add	1,197.42	
			For Anodized Finish, Add	1,596.56	
			For Kynar® Standard Colors Finish, Add	2,195.28	
08 91 19 00-0193	EA		84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,729.70	238.82
			Note: Includes bird screen.		
			For Flange Frame, Add	425.21	
			For Clear Lacquer Finish, Add	850.41	
			For Baked Enamel Standard Colors, Add	1,275.62	
			For Anodized Finish, Add	1,700.83	
			For Kynar® Standard Colors Finish, Add	2,338.64	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0194	EA		84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,029.68	245.45
			Note: Includes bird screen.		
			For Flange Frame, Add	453.88	
			For Clear Lacquer Finish, Add	907.76	
			For Baked Enamel Standard Colors, Add	1,361.64	
			For Anodized Finish, Add	1,815.52	
			For Kynar® Standard Colors Finish, Add	2,496.33	
08 91 19 00-0195	EA		84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,300.20	252.09
			Note: Includes bird screen.		
			For Flange Frame, Add	479.60	
			For Clear Lacquer Finish, Add	959.21	
			For Baked Enamel Standard Colors, Add	1,438.81	
			For Anodized Finish, Add	1,918.42	
			For Kynar® Standard Colors Finish, Add	2,637.82	
08 91 19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,702.19	258.71
			Note: Includes bird screen.		
			For Flange Frame, Add	518.48	
			For Clear Lacquer Finish, Add	1,036.95	
			For Baked Enamel Standard Colors, Add	1,555.43	
			For Anodized Finish, Add	2,073.90	
			For Kynar® Standard Colors Finish, Add	2,851.62	
08 91 19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,467.13	122.72
			Note: Includes bird screen.		
			For Flange Frame, Add	122.17	
			For Clear Lacquer Finish, Add	244.34	
			For Baked Enamel Standard Colors, Add	366.50	
			For Anodized Finish, Add	488.67	
			For Kynar® Standard Colors Finish, Add	671.92	
08 91 19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,783.45	142.62
			Note: Includes bird screen.		
			For Flange Frame, Add	149.82	
			For Clear Lacquer Finish, Add	299.64	
			For Baked Enamel Standard Colors, Add	449.46	
			For Anodized Finish, Add	599.28	
			For Kynar® Standard Colors Finish, Add	824.01	
08 91 19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,080.50	162.53
			Note: Includes bird screen.		
			For Flange Frame, Add	175.55	
			For Clear Lacquer Finish, Add	351.09	
			For Baked Enamel Standard Colors, Add	526.64	
			For Anodized Finish, Add	702.18	
			For Kynar® Standard Colors Finish, Add	965.50	
08 91 19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,387.12	172.48
			Note: Includes bird screen.		
			For Flange Frame, Add	204.22	
			For Clear Lacquer Finish, Add	408.43	
			For Baked Enamel Standard Colors, Add	612.65	
			For Anodized Finish, Add	816.87	
			For Kynar® Standard Colors Finish, Add	1,123.19	
08 91 19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,812.90	179.11
			Note: Includes bird screen.		
			For Flange Frame, Add	245.47	
			For Clear Lacquer Finish, Add	490.94	
			For Baked Enamel Standard Colors, Add	736.40	
			For Anodized Finish, Add	981.87	
			For Kynar® Standard Colors Finish, Add	1,350.07	
08 91 19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,090.23	185.74
			Note: Includes bird screen.		
			For Flange Frame, Add	271.87	
			For Clear Lacquer Finish, Add	543.75	
			For Baked Enamel Standard Colors, Add	815.62	
			For Anodized Finish, Add	1,087.50	
			For Kynar® Standard Colors Finish, Add	1,495.31	
08 91 19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,355.09	192.38
			Note: Includes bird screen.		
			For Flange Frame, Add	297.03	
			For Clear Lacquer Finish, Add	594.07	
			For Baked Enamel Standard Colors, Add	891.10	
			For Anodized Finish, Add	1,188.13	
			For Kynar® Standard Colors Finish, Add	1,633.68	
08 91 19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,680.01	199.01
			Note: Includes bird screen.		
			For Flange Frame, Add	328.20	
			For Clear Lacquer Finish, Add	656.40	
			For Baked Enamel Standard Colors, Add	984.59	
			For Anodized Finish, Add	1,312.79	
			For Kynar® Standard Colors Finish, Add	1,805.09	
08 91 19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,954.90	208.96
			Note: Includes bird screen.		
			For Flange Frame, Add	353.70	
			For Clear Lacquer Finish, Add	707.39	
			For Baked Enamel Standard Colors, Add	1,061.09	
			For Anodized Finish, Add	1,414.79	
			For Kynar® Standard Colors Finish, Add	1,945.33	



Openings			08	08
Louvers and Vents			08 90	
Louvers			08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,398.30	225.55
			Note: Includes bird screen.		
			For Flange Frame, Add	394.72	
			For Clear Lacquer Finish, Add	789.44	
			For Baked Enamel Standard Colors, Add	1,184.16	
			For Anodized Finish, Add	1,578.88	
			For Kynar® Standard Colors Finish, Add	2,170.97	
08 91 19 00-0207	EA		90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,665.26	235.50
			Note: Includes bird screen.		
			For Flange Frame, Add	419.43	
			For Clear Lacquer Finish, Add	838.85	
			For Baked Enamel Standard Colors, Add	1,258.28	
			For Anodized Finish, Add	1,677.71	
			For Kynar® Standard Colors Finish, Add	2,306.85	
08 91 19 00-0208	EA		90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,970.75	245.45
			Note: Includes bird screen.		
			For Flange Frame, Add	447.99	
			For Clear Lacquer Finish, Add	895.97	
			For Baked Enamel Standard Colors, Add	1,343.96	
			For Anodized Finish, Add	1,791.94	
			For Kynar® Standard Colors Finish, Add	2,463.92	
08 91 19 00-0209	EA		90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,288.87	252.09
			Note: Includes bird screen.		
			For Flange Frame, Add	478.47	
			For Clear Lacquer Finish, Add	956.94	
			For Baked Enamel Standard Colors, Add	1,435.41	
			For Anodized Finish, Add	1,913.88	
			For Kynar® Standard Colors Finish, Add	2,631.59	
08 91 19 00-0210	EA		90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,559.22	262.03
			Note: Includes bird screen.		
			For Flange Frame, Add	503.52	
			For Clear Lacquer Finish, Add	1,007.03	
			For Baked Enamel Standard Colors, Add	1,510.55	
			For Anodized Finish, Add	2,014.06	
			For Kynar® Standard Colors Finish, Add	2,769.34	
08 91 19 00-0211	EA		90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,985.01	268.66
			Note: Includes bird screen.		
			For Flange Frame, Add	544.77	
			For Clear Lacquer Finish, Add	1,089.54	
			For Baked Enamel Standard Colors, Add	1,634.30	
			For Anodized Finish, Add	2,179.07	
			For Kynar® Standard Colors Finish, Add	2,996.22	
08 91 19 00-0212	EA		96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,540.28	132.67
			Note: Includes bird screen.		
			For Flange Frame, Add	127.49	
			For Clear Lacquer Finish, Add	254.99	
			For Baked Enamel Standard Colors, Add	382.48	
			For Anodized Finish, Add	509.98	
			For Kynar® Standard Colors Finish, Add	701.22	
08 91 19 00-0213	EA		96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,867.94	152.57
			Note: Includes bird screen.		
			For Flange Frame, Add	156.28	
			For Clear Lacquer Finish, Add	312.56	
			For Baked Enamel Standard Colors, Add	468.84	
			For Anodized Finish, Add	625.12	
			For Kynar® Standard Colors Finish, Add	859.53	
08 91 19 00-0214	EA		96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,179.73	172.48
			Note: Includes bird screen.		
			For Flange Frame, Add	183.48	
			For Clear Lacquer Finish, Add	366.96	
			For Baked Enamel Standard Colors, Add	550.43	
			For Anodized Finish, Add	733.91	
			For Kynar® Standard Colors Finish, Add	1,009.13	
08 91 19 00-0215	EA		96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,503.36	182.43
			Note: Includes bird screen.		
			For Flange Frame, Add	213.85	
			For Clear Lacquer Finish, Add	427.70	
			For Baked Enamel Standard Colors, Add	641.55	
			For Anodized Finish, Add	855.40	
			For Kynar® Standard Colors Finish, Add	1,176.18	
08 91 19 00-0216	EA		96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,942.73	189.06
			Note: Includes bird screen.		
			For Flange Frame, Add	256.46	
			For Clear Lacquer Finish, Add	512.92	
			For Baked Enamel Standard Colors, Add	769.38	
			For Anodized Finish, Add	1,025.84	
			For Kynar® Standard Colors Finish, Add	1,410.54	
08 91 19 00-0217	EA		96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,266.52	195.70
			Note: Includes bird screen.		
			For Flange Frame, Add	287.51	
			For Clear Lacquer Finish, Add	575.03	
			For Baked Enamel Standard Colors, Add	862.54	
			For Anodized Finish, Add	1,150.05	
			For Kynar® Standard Colors Finish, Add	1,581.32	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0218	EA		96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,548.38	202.33
			For Flange Frame, Add	314.37	
			For Clear Lacquer Finish, Add	628.74	
			For Baked Enamel Standard Colors, Add	943.12	
			For Anodized Finish, Add	1,257.49	
			For Kynar® Standard Colors Finish, Add	1,729.05	
08 91 19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,857.43	208.96
			For Flange Frame, Add	343.95	
			For Clear Lacquer Finish, Add	687.90	
			For Baked Enamel Standard Colors, Add	1,031.85	
			For Anodized Finish, Add	1,375.80	
			For Kynar® Standard Colors Finish, Add	1,891.73	
08 91 19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,143.82	215.60
			For Flange Frame, Add	371.26	
			For Clear Lacquer Finish, Add	742.53	
			For Baked Enamel Standard Colors, Add	1,113.79	
			For Anodized Finish, Add	1,485.05	
			For Kynar® Standard Colors Finish, Add	2,041.95	
08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,620.10	232.18
			For Flange Frame, Add	415.57	
			For Clear Lacquer Finish, Add	831.15	
			For Baked Enamel Standard Colors, Add	1,246.72	
			For Anodized Finish, Add	1,662.30	
			For Kynar® Standard Colors Finish, Add	2,285.66	
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,676.71	242.13
			For Flange Frame, Add	319.25	
			For Clear Lacquer Finish, Add	638.49	
			For Baked Enamel Standard Colors, Add	957.74	
			For Anodized Finish, Add	1,276.98	
			For Kynar® Standard Colors Finish, Add	1,755.85	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,208.41	252.09
			For Flange Frame, Add	470.43	
			For Clear Lacquer Finish, Add	940.85	
			For Baked Enamel Standard Colors, Add	1,411.28	
			For Anodized Finish, Add	1,881.70	
			For Kynar® Standard Colors Finish, Add	2,587.34	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,537.86	258.71
			For Flange Frame, Add	502.04	
			For Clear Lacquer Finish, Add	1,004.09	
			For Baked Enamel Standard Colors, Add	1,506.13	
			For Anodized Finish, Add	2,008.17	
			For Kynar® Standard Colors Finish, Add	2,761.24	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,821.81	268.66
			For Flange Frame, Add	528.45	
			For Clear Lacquer Finish, Add	1,056.90	
			For Baked Enamel Standard Colors, Add	1,585.34	
			For Anodized Finish, Add	2,113.79	
			For Kynar® Standard Colors Finish, Add	2,906.46	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	6,280.29	278.61
			For Flange Frame, Add	572.31	
			For Clear Lacquer Finish, Add	1,144.61	
			For Baked Enamel Standard Colors, Add	1,716.92	
			For Anodized Finish, Add	2,289.22	
			For Kynar® Standard Colors Finish, Add	3,147.68	
08 91 19 00-0227			Gable Louver Vents (08 91 19) Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228			Aluminum Gable Louver Vents (08 91 19 00-0227) Note: Includes screen.		
08 91 19 00-0229			Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91 19 00-0230	EA		12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	175.77	10.94
08 91 19 00-0231	EA		12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	192.88	12.56
08 91 19 00-0232	EA		18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	222.23	14.19
08 91 19 00-0233	EA		18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	243.24	15.08
08 91 19 00-0234	EA		24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	276.48	15.97
08 91 19 00-0235	EA		24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	310.53	19.15
08 91 19 00-0236	EA		30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	361.61	23.94
08 91 19 00-0237	EA		30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	404.19	27.94
08 91 19 00-0238	EA		36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	463.78	33.52
08 91 19 00-0239	EA		42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	582.97	44.69
08 91 19 00-0240			Square Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		



		Openings	08
		Louvers and Vents	08 90
		Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0241	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent	160.95	10.07
08 91 19 00-0242	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent	199.59	12.77
08 91 19 00-0243	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent	249.34	15.07
08 91 19 00-0244	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent	319.05	19.95
08 91 19 00-0245	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent	412.70	28.74
08 91 19 00-0246	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent	523.29	39.09
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent	651.09	51.08
08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent	160.95	10.07
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent	199.59	12.77
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent	249.34	15.07
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent	319.05	19.95
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent	412.70	28.74
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent	523.38	39.11
08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	160.95	10.07
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	175.77	10.94
08 91 19 00-0258	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	192.88	12.56
08 91 19 00-0259	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	199.59	12.77
08 91 19 00-0260	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	222.23	14.19
08 91 19 00-0261	EA		18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	243.24	15.08
08 91 19 00-0262	EA		24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	249.34	15.07
08 91 19 00-0263	EA		24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	276.48	15.97
08 91 19 00-0264	EA		24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	310.53	19.15
08 91 19 00-0265	EA		30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	319.05	19.95
08 91 19 00-0266	EA		30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	361.61	23.94
08 91 19 00-0267	EA		30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	404.19	27.94
08 91 19 00-0268	EA		36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	412.70	28.74
08 91 19 00-0269	EA		36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	463.78	33.52
08 91 19 00-0270	EA		36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	514.86	38.31
08 91 19 00-0271	EA		42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	523.38	39.11
08 91 19 00-0272	EA		42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	582.97	44.69
08 91 19 00-0273	EA		48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	651.09	51.08
08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0275	EA		12" x 12" Round Top Fixed Aluminum Gable Louver Vent	160.95	10.07
08 91 19 00-0276	EA		12" x 18" Round Top Fixed Aluminum Gable Louver Vent	175.77	10.94
08 91 19 00-0277	EA		12" x 24" Round Top Fixed Aluminum Gable Louver Vent	192.88	12.56
08 91 19 00-0278	EA		18" x 18" Round Top Fixed Aluminum Gable Louver Vent	199.59	12.77
08 91 19 00-0279	EA		18" x 24" Round Top Fixed Aluminum Gable Louver Vent	222.23	14.19
08 91 19 00-0280	EA		18" x 30" Round Top Fixed Aluminum Gable Louver Vent	243.24	15.08
08 91 19 00-0281	EA		24" x 24" Round Top Fixed Aluminum Gable Louver Vent	249.34	15.07
08 91 19 00-0282	EA		24" x 30" Round Top Fixed Aluminum Gable Louver Vent	276.48	15.97
08 91 19 00-0283	EA		24" x 36" Round Top Fixed Aluminum Gable Louver Vent	310.53	19.15
08 91 19 00-0284	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent	319.05	19.95
08 91 19 00-0285	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent	361.61	23.94
08 91 19 00-0286	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent	404.19	27.94
08 91 19 00-0287	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent	412.70	28.74
08 91 19 00-0288	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent	463.78	33.52
08 91 19 00-0289	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent	514.86	38.31
08 91 19 00-0290	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent	523.38	39.11
08 91 19 00-0291	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent	582.97	44.69
08 91 19 00-0292	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent	651.09	51.08
08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0294	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	327.45	12.56
08 91 19 00-0295	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	371.69	15.07
08 91 19 00-0296	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	398.82	15.97
08 91 19 00-0297	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	457.34	19.15
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	508.68	19.95
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	422.78	23.94
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	495.95	27.94
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	559.51	28.74
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	635.06	33.52
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	514.86	38.31
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	590.67	39.11
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	680.84	44.69
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	773.43	51.08
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	869.69	58.70

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	72.00	10.07
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	87.15	10.94
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	119.00	14.19
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	163.36	15.97
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	115.30	12.77
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	133.22	15.07
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	187.98	19.95
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	274.77	28.74
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	115.30	12.77
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	130.57	14.19
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	168.70	15.97
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	239.43	23.94
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	571.04	38.31
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	113.01	12.56
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	157.65	15.97
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	163.07	19.15
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	376.34	23.94
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	376.34	23.94
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	376.34	23.94
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	376.34	23.94
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	376.34	23.94
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	419.48	38.31
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	419.48	38.31
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	419.48	38.31
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	419.48	38.31

08 95 Vents (08 90)**08 95 13 Soffit Vents (08 95)****08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)**

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	8.80	3.05
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	15.56	5.97
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	26.18	7.96
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	27.26	7.96

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	8.03	3.40
		For Colors, Add	0.13	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	8.36	3.40
		For Colors, Add	0.16	

08 95 16 Wall Vents (08 95)**08 95 16 00-0001 Foundation Vents (08 95 16)**

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.50	0.21
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	1.07	0.21
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.16	0.21
08 95 16 00-0005	SI	Plastic Foundation Vent	0.62	0.21

END OF SECTION 08



Finishes		09	9
Maintenance of Finishes		09 01	
Maintenance of Plaster and Gypsum Board		09 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes (09)

09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing (09 01 20 91) Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing	22.43
	Note: Per location.	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing	18.11
	Note: Per location.	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing	16.25
	Note: Per location.	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing	14.32
	Note: Per location.	
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing	12.81
	Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0007	Patch/Finish Gypsum Board To Match Existing (09 01 20 91) Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0008	EA Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	1.97
	For ASTM C840 Level 1 Finish, Deduct	-0.95
	For ASTM C840 Level 2 Finish, Deduct	-0.47
	For ASTM C840 Level 3 Finish, Deduct	-0.19
	For ASTM C840 Level 5 High Quality Finish, Add	1.46
09 01 20 91-0009	Plaster/Stucco Repair (09 01 20 91) Note: Per location.	
09 01 20 91-0010	Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0009) Note: Includes plaster weld.	
09 01 20 91-0011	LF Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	21.92
09 01 20 91-0012	LF >10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	17.60
09 01 20 91-0013	LF >50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	14.35
09 01 20 91-0014	LF >100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.11
09 01 20 91-0015	LF >250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	8.93
09 01 20 91-0016	LF >500', Chip, Clean And Repair Crack In Plaster/Stucco	6.77
09 01 20 91-0017	Cut And Patch Hole In Plaster/Stucco To Match Existing (09 01 20 91-0009) Note: Includes plaster weld.	
09 01 20 91-0018	SF Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	20.99
09 01 20 91-0019	SF >10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	18.59
09 01 20 91-0020	SF >50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	17.13
09 01 20 91-0021	SF >100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	15.91
09 01 20 91-0022	SF >250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	14.86
09 01 20 91-0023	SF >500 SF, Cut And Patch Hole In Plaster To Match Existing	13.69
09 01 20 91-0024	Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0009) Note: Includes plaster weld.	
09 01 20 91-0025	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	39.55
09 01 20 91-0026	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	28.72
09 01 20 91-0027	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	21.15
09 01 20 91-0028	SF >250 SF, Chip, Clean And Repair Plaster/Stucco	16.82

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF RegROUT Floor Tile Including Removal Of Loose Grout	8.09
09 01 30 91-0002	SF RegROUT Wall Tile Including Removal Of Loose Grout	10.09
09 01 30 91-0003	SF Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing	51.88
	Note: Per location.	

09 01 50 Maintenance of Ceilings (09 01)

09 01 50 91 Ceiling Restoration (09 01 50)

09 01 50 91-0001	Repair Ceiling Suspension System (09 01 50 91) See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.	

09 Finishes**09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 01 60 Maintenance of Flooring (09 01)**09 01 60 91 Flooring Restoration** (09 01 60)**09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo** (09 01 60 91)

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	334.53
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.16
09 01 60 91-0004	SF	Repair Existing Terrazzo	22.02
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.22

09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)

09 01 60 91-0007	CSF	Steam Clean Carpet	53.21
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	58.43
		For Additional Coat, Add	48.83
		For Stripping Existing Wax From Floor, Add	55.51
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	35.34
		For Additional Coat, Add	31.07
		For Stripping Existing Wax From Floor, Add	55.51
09 01 60 91-0010	MSF	Vacuum Floors	29.68

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring	10.46
		Note: Up to 1/8" of material per pass	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring	19.59
		Note: Up to 1/4" of material per pass	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	9.02

09 01 60 91-0015 Floor Sealants (09 01 60 91)

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat	1.35
		Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat	1.48
		Note: For interior/exterior concrete surfaces.	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.66
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	37.89

09 01 80 Maintenance of Acoustic Treatment (09 01)**09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment** (09 01 80)

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.57

09 01 90 Maintenance of Painting and Coating (09 01)**09 01 90 52 Maintenance Repainting** (09 01 90)**09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces** (09 01 90 52)

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.49
		For Up To 100, Add	0.35
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.05
		For >15,000 To 30,000, Deduct	-0.07
		For >30,000, Deduct	-0.10
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.49
		For Up To 100, Add	0.85
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.11
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.05
		For >15,000 To 30,000, Deduct	-0.07
		For >30,000, Deduct	-0.09
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.80
		For Up To 100, Add	1.33
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.17
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 15,000, Deduct	-0.07
		For >15,000 To 30,000, Deduct	-0.11
		For >30,000, Deduct	-0.15



		Finishes	09	
		Maintenance of Finishes	09 01	
		Maintenance of Painting and Coating	09 01 90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0006 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation 1.23 For Up To 100, Add 2.46 For >100 To 250, Add 0.62 For >250 To 500, Add 0.31 For >5,000 To 10,000, Deduct -0.06 For >10,000 To 15,000, Deduct -0.12 For >15,000 To 30,000, Deduct -0.18 For >30,000, Deduct -0.25		
09 01 90 52-0007 SF Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation 0.96 For Up To 100, Add 1.68 For >100 To 250, Add 0.44 For >250 To 500, Add 0.22 For >5,000 To 10,000, Deduct -0.04 For >10,000 To 15,000, Deduct -0.09 For >15,000 To 30,000, Deduct -0.14 For >30,000, Deduct -0.18		
09 01 90 52-0008 SF 2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation.....0.62 For Up To 100, Add 1.03 For >100 To 250, Add 0.28 For >250 To 500, Add 0.13 For >5,000 To 10,000, Deduct -0.03 For >10,000 To 15,000, Deduct -0.06 For >15,000 To 30,000, Deduct -0.09 For >30,000, Deduct -0.12		
09 01 90 52-0009 SF 10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation.....1.74 For Up To 100, Add 3.17 For >100 To 250, Add 0.82 For >250 To 500, Add 0.40 For >5,000 To 10,000, Deduct -0.08 For >10,000 To 15,000, Deduct -0.17 For >15,000 To 30,000, Deduct -0.25 For >30,000, Deduct -0.34		
09 01 90 52-0010 SF 30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation.....2.88 For Up To 100, Add 5.45 For >100 To 250, Add 1.39 For >250 To 500, Add 0.69 For >5,000 To 10,000, Deduct -0.14 For >10,000 To 15,000, Deduct -0.28 For >15,000 To 30,000, Deduct -0.43 For >30,000, Deduct -0.57		
09 01 90 52-0011 SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation.....4.10 Note: 3 Lb. of sand or glass abrasive media material per SF For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 2.38 For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 4.94 For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add 8.20 For Up To 100, Add 7.06 For >100 To 250, Add 1.86 For >250 To 500, Add 0.91 For >5,000 To 10,000, Deduct -0.19 For >10,000 To 15,000, Deduct -0.38 For >15,000 To 30,000, Deduct -0.59 For >30,000, Deduct -0.78		
09 01 90 52-0012 Drywall Surfaces, Surface Preparation (09 01 90 52-0001) See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation 0.37 For Up To 100, Add 0.74 For >100 To 250, Add 0.19 For >250 To 500, Add 0.09		
09 01 90 52-0014 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....0.63 For Up To 100, Add 1.26 For >100 To 250, Add 0.32 For >250 To 500, Add 0.16		
09 01 90 52-0015 SF Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation.....1.18 For Up To 100, Add 2.24 For >100 To 250, Add 0.57 For >250 To 500, Add 0.28		
09 01 90 52-0016 Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0017 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....0.46 For Up To 100, Add 0.33 For >100 To 250, Add 0.15 For >250 To 500, Add 0.07 For >5,000 To 10,000, Deduct -0.02 For >10,000 To 15,000, Deduct -0.05 For >15,000 To 30,000, Deduct -0.07 For >30,000, Deduct -0.09		

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0018	SF		Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.80	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.15	
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.99	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 01 90 52-0020	SF		2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.59	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.11	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.49	
			For Up To 100, Add	1.12	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.22	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.15	
			For >15,000 To 30,000, Deduct	-0.22	
			For >30,000, Deduct	-0.30	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation	0.60	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.11	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.28	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.19	
			For >30,000, Deduct	-0.25	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.75	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.21	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 15,000, Deduct	-0.16	
			For >15,000 To 30,000, Deduct	-0.25	
			For >30,000, Deduct	-0.33	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.56	
			For Up To 100, Add	1.59	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.24	
			For >15,000 To 30,000, Deduct	-0.37	
			For >30,000, Deduct	-0.49	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	4.28	
			For Up To 100, Add	2.66	
			For >100 To 250, Add	1.24	
			For >250 To 500, Add	0.53	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 15,000, Deduct	-0.40	
			For >15,000 To 30,000, Deduct	-0.62	
			For >30,000, Deduct	-0.82	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.25	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 15,000, Deduct	-0.30	
			For >15,000 To 30,000, Deduct	-0.47	
			For >30,000, Deduct	-0.62	



		Finishes	09	9
		Maintenance of Finishes	09 01	
		Maintenance of Painting and Coating	09 01 90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.04	
			For Up To 100, Add	2.45	
			For >100 To 250, Add	1.14	
			For >250 To 500, Add	0.49	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 15,000, Deduct	-0.37	
			For >15,000 To 30,000, Deduct	-0.58	
			For >30,000, Deduct	-0.77	
09 01 90 52-0029	SF		Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	5.22	
			For Up To 100, Add	3.18	
			For >100 To 250, Add	1.48	
			For >250 To 500, Add	0.64	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 15,000, Deduct	-0.48	
			For >15,000 To 30,000, Deduct	-0.75	
			For >30,000, Deduct	-1.00	
09 01 90 52-0030	SF		Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.53	
			For Up To 100, Add	3.98	
			For >100 To 250, Add	1.86	
			For >250 To 500, Add	0.80	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 15,000, Deduct	-0.60	
			For >15,000 To 30,000, Deduct	-0.94	
			For >30,000, Deduct	-1.24	
09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)					
09 01 90 52-0032	SF		Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.42	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 01 90 52-0033	CSF		Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	41.76	
			For Up To 100, Add	31.04	
			For >100 To 250, Add	14.48	
			For >250 To 500, Add	6.21	
			For >5,000 To 10,000, Deduct	-2.08	
			For >10,000 To 15,000, Deduct	-4.16	
			For >15,000 To 30,000, Deduct	-6.25	
			For >30,000, Deduct	-8.33	
09 01 90 52-0034	SF		2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.43	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)					
09 01 90 52-0036	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.54	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 15,000, Deduct	-0.15	
			For >15,000 To 30,000, Deduct	-0.23	
			For >30,000, Deduct	-0.30	
09 01 90 52-0037	SF		Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.44	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0038	SF		Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.67	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 01 90 52-0039	SF		Hand Scrape Wood Surfaces, Surface Preparation	1.04	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.16	
			For >30,000, Deduct	-0.21	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0040	SF		Steam Clean Wood Surfaces, Surface Preparation.....	0.94	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.18	
09 01 90 52-0041	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.64	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.88	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.18	
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.23	
09 01 90 52-0044	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.80	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.15	
09 01 90 52-0045	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.91	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.18	
09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)					
09 01 90 52-0047	SF		Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.42	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 01 90 52-0048	SF		Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.67	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 01 90 52-0049	SF		2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.54	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.10	
09 01 90 52-0050	SF		Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.99	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.19	



Finishes		09
Maintenance of Finishes		09 01
Maintenance of Painting and Coating		09 01 90

2

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0051			Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001) Note: Based on total project quantity.		
09 01 90 52-0052	SF		Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.49	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.10	
09 01 90 52-0053	SF		2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.69	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 01 90 52-0054			Prep Work (09 01 90 52-0001)		
09 01 90 52-0055	SF		Citrus Strip, Single Applications.....	1.20	
			Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 52-0056			Corrosive Inhibitor Sealant For Concrete (09 01 90 52-0001)		
09 01 90 52-0057	SF		Corrosive Inhibitor Sealant For Concrete.....	0.82	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
09 01 90 61			Repainting (09 01 90)		
09 01 90 61-0001			Touchup and "Spot" Painting Of Surfaces (09 01 90 61) Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002	SF		"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.49	
09 01 90 91			Paint Restoration (09 01 90)		
09 01 90 91-0001			Paint Removal, Strip To Bare Wood (09 01 90 91)		
09 01 90 91-0002	SF		Flat Surfaces, Paint Removal, Strip To Bare Wood	7.60	
09 01 90 91-0003	SF		Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	8.09	
09 05 Common Work Results for Finishes (09)					
09 05 05 Selective Demolition for Finishes (09 05)					
09 05 05 00-0001			Selective Demolition for Finishes (09 05 05)		
09 05 05 00-0002	SF		Demolition Of 5/8" Lath And Plaster Assembly, Applied Directly To Concrete Surface.....	7.22	
09 05 61 Common Work Results for Flooring Preparation (09 05)					
09 05 61 13 Moisture Vapor Emission Control (09 05 61)					
09 05 61 13-0001			Moisture Vapor Reduction System (Koster VAP) (09 05 61 13)		
09 05 61 13-0002	SF		Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	16.15	
			Note: Clear		
09 05 61 13-0003	SF		>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	12.81	
			Note: Clear		
09 05 61 13-0004	SF		>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	8.55	
			Note: Clear		
09 05 61 13-0005	SF		>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	7.11	
			Note: Clear		
09 05 61 13-0006	SF		>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	5.70	
			Note: Clear		
09 05 61 13-0007			Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)		
09 05 61 13-0008	SF		8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.51	
09 05 61 13-0009	SF		15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.67	
09 05 71 Acoustic Underlayment (09 05)					
09 05 71 00-0001			Tile And Stone Acoustical Underlayment (09 05 71)		

09 Finishes

09 05 Common Work Results for Finishes

09 05 71 Acoustic Underlayment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 05 71 00-0002	SF		5 Mil Tile And Stone Acoustical Underlayment (EasyMat) <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	4.71 0.56	
09 05 71 00-0003			Resilient Floor Acoustical Underlayment (09 05 71)		
09 05 71 00-0004	SF		Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.13	
09 05 71 00-0005	SF		2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.55	
09 05 71 00-0006	SF		0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.47	

09 20 Plaster and Gypsum Board (09)

09 22 Supports for Plaster and Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 13 Metal Channel Furring (09 22 13)

09 22 13 13-0001 Hat Furring Channel (09 22 13 13)

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	4.75	1.73
		<i>For Walls >10' High, Add</i>	0.52	
		<i>For 24" On Center, Deduct</i>	-0.60	
		<i>For 12" On Center, Add</i>	0.78	
		<i>For 22 Gauge, Add</i>	0.65	
		<i>For 20 Gauge, Add</i>	1.37	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.26	1.73
		<i>For Walls >10' High, Add</i>	0.52	
		<i>For 24" On Center, Deduct</i>	-0.71	
		<i>For 12" On Center, Add</i>	0.88	
		<i>For 22 Gauge, Add</i>	0.90	
		<i>For 20 Gauge, Add</i>	1.71	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	6.61	2.66
		<i>For Columns And Beams >10' High, Add</i>	1.06	
		<i>For 24" On Center, Deduct</i>	-0.79	
		<i>For 12" On Center, Add</i>	1.06	
		<i>For 22 Gauge, Add</i>	0.65	
		<i>For 20 Gauge, Add</i>	1.65	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.12	2.66
		<i>For Columns And Beams >10' High, Add</i>	1.06	
		<i>For 24" On Center, Deduct</i>	-0.89	
		<i>For 12" On Center, Add</i>	1.16	
		<i>For 22 Gauge, Add</i>	0.90	
		<i>For 20 Gauge, Add</i>	1.99	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.40	2.13
		<i>For Ceilings >10' High, Add</i>	0.64	
		<i>For 24" On Center, Deduct</i>	-0.85	
		<i>For 12" On Center, Add</i>	1.07	
		<i>For 22 Gauge, Add</i>	1.07	
		<i>For 20 Gauge, Add</i>	2.05	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.91	2.13
		<i>For Ceilings >10' High, Add</i>	0.64	
		<i>For 24" On Center, Deduct</i>	-0.96	
		<i>For 12" On Center, Add</i>	1.17	
		<i>For 22 Gauge, Add</i>	1.33	
		<i>For 20 Gauge, Add</i>	2.39	

09 22 13 13-0011 Z Furring Channel (09 22 13 13)

09 22 13 13-0012 Installed On Walls, Z Furring Channel (09 22 13 13-0011)

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.79	1.73
		<i>For Walls >10' High, Add</i>	0.52	
		<i>For 24" On Center, Deduct</i>	-0.41	
		<i>For 12" On Center, Add</i>	0.59	
		<i>For 22 Gauge, Add</i>	0.17	
		<i>For 20 Gauge, Add</i>	0.74	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.86	1.73
		<i>For Walls >10' High, Add</i>	0.52	
		<i>For 24" On Center, Deduct</i>	-0.43	
		<i>For 12" On Center, Add</i>	0.60	
		<i>For 22 Gauge, Add</i>	0.20	
		<i>For 20 Gauge, Add</i>	0.78	



Finishes		09	9
Plaster and Gypsum Board		09 20	
Supports for Plaster and Gypsum Board		09 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0015	SF	2"	25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.92 0.52 -0.44 0.61 0.23 0.82	1.73
09 22 13 13-0016	SF	2-1/2"	25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.97 0.52 -0.45 0.62 0.26 0.86	1.73
09 22 13 13-0017	SF	3"	25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.01 0.52 -0.46 0.63 0.28 0.88	1.73
09 22 13 23 Resilient Channel Furring (09 22 13)					
09 22 13 23-0001	Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23) Note: Includes clips where required.				
09 22 13 23-0002	Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)				
09 22 13 23-0003	SF	25 Gauge, 16"	On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	4.17 0.52 -0.49 0.66 0.99	1.73
09 22 13 23-0004	Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)				
09 22 13 23-0005	SF	25 Gauge, 16"	On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	4.97 0.64 -0.57 0.78 1.11	2.13
09 22 13 23-0006	Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23) Note: Includes clips where required.				
09 22 13 23-0007	Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)				
09 22 13 23-0008	SF	25 Gauge, 16"	On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	4.43 0.52 -0.54 0.71 1.16	1.73
09 22 13 23-0009	Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)				
09 22 13 23-0010	SF	25 Gauge, 16"	On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	5.23 0.64 -0.62 0.83 1.28	2.13
09 22 16 Non-Structural Metal Framing (09 22)					
Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.					
09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)					
09 22 16 13-0001	Non Load Bearing Wall Framing, 25 Gauge (09 22 16 13)				
09 22 16 13-0002	SF	1-5/8"	Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners..... <i>For Powder-Actuated Fasteners Every 2', Add</i> <i>For Walls >10' High, Add</i> <i>For Soffit, Columns Or Beams Up To 10' High, Add</i> <i>For Soffit, Columns Or Beams >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i> <i>For Up To 100, Add</i> <i>For >100 To 300, Add</i> <i>For >1,000, Deduct</i>	3.20 0.05 0.64 1.76 2.30 0.59 0.77 0.54 0.55 -0.55 1.00 0.50 -0.30	0.72

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.45	0.75
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.69	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.85	
			For Soffit, Columns Or Beams >10' High, Add	2.41	
			For Horizontal Installation Up To 10' High, Add	0.63	
			For Horizontal Installation >10' High, Add	0.82	
			For Curved Wall, Add	0.56	
			For 12" On Center, Add	0.60	
			For 24" On Center, Deduct	-0.60	
			For Up To 100, Add	1.07	
			For >100 To 300, Add	0.53	
			For >1,000, Deduct	-0.33	
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.79	0.78
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.76	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.96	
			For Soffit, Columns Or Beams >10' High, Add	2.56	
			For Horizontal Installation Up To 10' High, Add	0.68	
			For Horizontal Installation >10' High, Add	0.87	
			For Curved Wall, Add	0.59	
			For 12" On Center, Add	0.66	
			For 24" On Center, Deduct	-0.66	
			For Up To 100, Add	1.15	
			For >100 To 300, Add	0.58	
			For >1,000, Deduct	-0.37	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.06	0.83
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.81	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.06	
			For Soffit, Columns Or Beams >10' High, Add	2.68	
			For Horizontal Installation Up To 10' High, Add	0.72	
			For Horizontal Installation >10' High, Add	0.92	
			For Curved Wall, Add	0.62	
			For 12" On Center, Add	0.71	
			For 24" On Center, Deduct	-0.71	
			For Up To 100, Add	1.23	
			For >100 To 300, Add	0.61	
			For >1,000, Deduct	-0.40	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.63	0.87
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.93	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.21	
			For Soffit, Columns Or Beams >10' High, Add	2.86	
			For Horizontal Installation Up To 10' High, Add	0.79	
			For Horizontal Installation >10' High, Add	1.01	
			For Curved Wall, Add	0.65	
			For 12" On Center, Add	0.82	
			For 24" On Center, Deduct	-0.82	
			For Up To 100, Add	1.36	
			For >100 To 300, Add	0.68	
			For >1,000, Deduct	-0.48	
09 22 16 13-0007			Non Load Bearing Wall Framing, 20 Gauge (09 22 16 13)		
09 22 16 13-0008	SF		1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.71	0.73
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.74	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.84	
			For Soffit, Columns Or Beams >10' High, Add	2.40	
			For Horizontal Installation Up To 10' High, Add	0.65	
			For Horizontal Installation >10' High, Add	0.83	
			For Curved Wall, Add	0.55	
			For 12" On Center, Add	0.65	
			For 24" On Center, Deduct	-0.65	
			For Up To 100, Add	1.11	
			For >100 To 300, Add	0.56	
			For >1,000, Deduct	-0.37	
09 22 16 13-0009	SF		2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.14	0.77
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	0.83	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.97	
			For Soffit, Columns Or Beams >10' High, Add	2.55	
			For Horizontal Installation Up To 10' High, Add	0.71	
			For Horizontal Installation >10' High, Add	0.90	
			For Curved Wall, Add	0.58	
			For 12" On Center, Add	0.73	
			For 24" On Center, Deduct	-0.73	
			For Up To 100, Add	1.22	
			For >100 To 300, Add	0.61	
			For >1,000, Deduct	-0.43	



Finishes		09	9
Plaster and Gypsum Board		09 20	
Supports for Plaster and Gypsum Board		09 22	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.63	0.80
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.93	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.09	
		For Soffit, Columns Or Beams >10' High, Add	2.70	
		For Horizontal Installation Up To 10' High, Add	0.77	
		For Horizontal Installation >10' High, Add	0.97	
		For Curved Wall, Add	0.61	
		For 12" On Center, Add	0.82	
		For 24" On Center, Deduct	-0.82	
		For Up To 100, Add	1.33	
		For >100 To 300, Add	0.67	
		For >1,000, Deduct	-0.49	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.96	0.85
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.99	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.20	
		For Soffit, Columns Or Beams >10' High, Add	2.84	
		For Horizontal Installation Up To 10' High, Add	0.82	
		For Horizontal Installation >10' High, Add	1.03	
		For Curved Wall, Add	0.64	
		For 12" On Center, Add	0.89	
		For 24" On Center, Deduct	-0.89	
		For Up To 100, Add	1.42	
		For >100 To 300, Add	0.71	
		For >1,000, Deduct	-0.53	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.31	0.89
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.46	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.52	
		For Soffit, Columns Or Beams >10' High, Add	3.18	
		For Horizontal Installation Up To 10' High, Add	1.07	
		For Horizontal Installation >10' High, Add	1.29	
		For Curved Wall, Add	0.67	
		For 12" On Center, Add	1.35	
		For 24" On Center, Deduct	-1.35	
		For Up To 100, Add	1.91	
		For >100 To 300, Add	0.95	
		For >1,000, Deduct	-0.87	
09 22 16 13-0013 Non Load Bearing Wall Framing, 18 Gauge (09 22 16 13)				
09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.11	0.78
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.22	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.20	
		For Soffit, Columns Or Beams >10' High, Add	2.79	
		For Horizontal Installation Up To 10' High, Add	0.91	
		For Horizontal Installation >10' High, Add	1.11	
		For Curved Wall, Add	0.59	
		For 12" On Center, Add	1.12	
		For 24" On Center, Deduct	-1.12	
		For Up To 100, Add	1.62	
		For >100 To 300, Add	0.81	
		For >1,000, Deduct	-0.72	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.83	0.83
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.37	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.36	
		For Soffit, Columns Or Beams >10' High, Add	2.98	
		For Horizontal Installation Up To 10' High, Add	1.00	
		For Horizontal Installation >10' High, Add	1.21	
		For Curved Wall, Add	0.63	
		For 12" On Center, Add	1.26	
		For 24" On Center, Deduct	-1.26	
		For Up To 100, Add	1.78	
		For >100 To 300, Add	0.89	
		For >1,000, Deduct	-0.82	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.36	0.87
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.47	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.48	
		For Soffit, Columns Or Beams >10' High, Add	3.13	
		For Horizontal Installation Up To 10' High, Add	1.06	
		For Horizontal Installation >10' High, Add	1.28	
		For Curved Wall, Add	0.65	
		For 12" On Center, Add	1.36	
		For 24" On Center, Deduct	-1.36	
		For Up To 100, Add	1.91	
		For >100 To 300, Add	0.95	
		For >1,000, Deduct	-0.89	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.92	0.91
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	1.98	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.83	
			For Soffit, Columns Or Beams >10' High, Add	3.52	
			For Horizontal Installation Up To 10' High, Add	1.34	
			For Horizontal Installation >10' High, Add	1.57	
			For Curved Wall, Add	0.69	
			For 12" On Center, Add	1.87	
			For 24" On Center, Deduct	-1.87	
			For Up To 100, Add	2.44	
			For >100 To 300, Add	1.22	
			For >1,000, Deduct	-1.26	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.85	0.97
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	2.17	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.01	
			For Soffit, Columns Or Beams >10' High, Add	3.73	
			For Horizontal Installation Up To 10' High, Add	1.45	
			For Horizontal Installation >10' High, Add	1.69	
			For Curved Wall, Add	0.72	
			For 12" On Center, Add	2.05	
			For 24" On Center, Deduct	-2.05	
			For Up To 100, Add	2.65	
			For >100 To 300, Add	1.33	
			For >1,000, Deduct	-1.39	
09 22 16 13-0019			Non Load Bearing Wall Framing, 16 Gauge (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.54	0.80
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	1.31	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.28	
			For Soffit, Columns Or Beams >10' High, Add	2.89	
			For Horizontal Installation Up To 10' High, Add	0.96	
			For Horizontal Installation >10' High, Add	1.16	
			For Curved Wall, Add	0.61	
			For 12" On Center, Add	1.21	
			For 24" On Center, Deduct	-1.21	
			For Up To 100, Add	1.71	
			For >100 To 300, Add	0.86	
			For >1,000, Deduct	-0.78	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.84	0.85
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	1.57	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.49	
			For Soffit, Columns Or Beams >10' High, Add	3.13	
			For Horizontal Installation Up To 10' High, Add	1.10	
			For Horizontal Installation >10' High, Add	1.32	
			For Curved Wall, Add	0.64	
			For 12" On Center, Add	1.46	
			For 24" On Center, Deduct	-1.46	
			For Up To 100, Add	1.99	
			For >100 To 300, Add	1.00	
			For >1,000, Deduct	-0.96	
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.30	0.89
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	1.66	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.61	
			For Soffit, Columns Or Beams >10' High, Add	3.28	
			For Horizontal Installation Up To 10' High, Add	1.16	
			For Horizontal Installation >10' High, Add	1.39	
			For Curved Wall, Add	0.67	
			For 12" On Center, Add	1.55	
			For 24" On Center, Deduct	-1.55	
			For Up To 100, Add	2.11	
			For >100 To 300, Add	1.05	
			For >1,000, Deduct	-1.02	
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.78	0.94
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	2.16	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.96	
			For Soffit, Columns Or Beams >10' High, Add	3.66	
			For Horizontal Installation Up To 10' High, Add	1.43	
			For Horizontal Installation >10' High, Add	1.67	
			For Curved Wall, Add	0.71	
			For 12" On Center, Add	2.04	
			For 24" On Center, Deduct	-2.04	
			For Up To 100, Add	2.63	
			For >100 To 300, Add	1.31	
			For >1,000, Deduct	-1.38	



Finishes		09	8
Plaster and Gypsum Board		09 20	
Supports for Plaster and Gypsum Board		09 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	11.94	0.99
			For Powder-Actuated Fasteners Every 2', Add	0.05	
			For Walls >10' High, Add	2.39	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.17	
			For Soffit, Columns Or Beams >10' High, Add	3.91	
			For Horizontal Installation Up To 10' High, Add	1.56	
			For Horizontal Installation >10' High, Add	1.81	
			For Curved Wall, Add	0.74	
			For 12" On Center, Add	2.26	
			For 24" On Center, Deduct	-2.26	
			For Up To 100, Add	2.88	
			For >100 To 300, Add	1.44	
			For >1,000, Deduct	-1.54	
09 22 16 13-0025			Galvanized Steel Backing Plates (09 22 16 13)		
			Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.53	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.87	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.43	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.00	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.55	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	4.23	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.00	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.48	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.34	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.19	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.07	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	6.03	
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.74	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.43	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.69	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.96	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.32	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	8.64	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.25	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.11	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.71	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.32	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	9.03	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	10.68	
09 22 36			Lath (09 22)		
09 22 36 13			Gypsum Lath (09 22 36)		
09 22 36 13-0001			Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.53	0.48
			For Walls >10' High, Add	0.12	
			For Up To 100, Add	0.48	
			For >100 To 500, Add	0.24	
			For >5,000, Deduct	-0.10	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.16	0.55
			For Walls >10' High, Add	0.14	
			For Up To 100, Add	0.56	
			For >100 To 500, Add	0.28	
			For >5,000, Deduct	-0.11	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.80	0.64
			For Walls >10' High, Add	0.16	
			For Up To 100, Add	0.64	
			For >100 To 500, Add	0.32	
			For >5,000, Deduct	-0.13	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.91	0.67
			For Ceilings >10' High, Add	0.20	
			For Up To 100, Add	0.67	
			For >100 To 500, Add	0.34	
			For >5,000, Deduct	-0.13	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.60	0.77
			For Ceilings >10' High, Add	0.23	
			For Up To 100, Add	0.78	
			For >100 To 500, Add	0.39	
			For >5,000, Deduct	-0.16	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	3.30	0.89
			For Ceilings >10' High, Add	0.27	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.30	0.86
			For Columns And Beams >10' High, Add	0.26	
			For Up To 100, Add	0.87	
			For >100 To 500, Add	0.43	
			For >5,000, Deduct	-0.17	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.04 0.30 1.00 0.50 -0.20	1.00
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.81 0.34 1.14 0.57 -0.23	1.15
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)				
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.22 0.12 0.48 0.24 -0.10	0.48
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.59 0.14 0.56 0.28 -0.11	0.55
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.60 0.20 0.67 0.34 -0.13	0.67
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.03 0.23 0.78 0.39 -0.16	0.77
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.99 0.26 0.87 0.43 -0.17	0.86
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.47 0.30 1.00 0.50 -0.20	1.00
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)				
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.22 0.12 0.48 0.24 -0.10	0.48
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.59 0.14 0.56 0.28 -0.11	0.55
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.60 0.20 0.67 0.34 -0.13	0.67
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.03 0.23 0.78 0.39 -0.16	0.77
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.99 0.26 0.87 0.43 -0.17	0.86
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	3.47 0.30 1.00 0.50 -0.20	1.00
09 22 36 23 Metal Lath (09 22 36)				
09 22 36 23-0001		Flat Diamond, Expanded Metal Lath (09 22 36 23)		



		Finishes	09	
		Plaster and Gypsum Board	09 20	
		Supports for Plaster and Gypsum Board	09 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.54	0.66	
		For Walls >10' High, Add	0.19		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.74		
		For >100 To 500, Add	0.37		
		For >5,000, Deduct	-0.15		
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.68	0.66	
		For Walls >10' High, Add	0.19		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.74		
		For >100 To 500, Add	0.37		
		For >5,000, Deduct	-0.15		
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.82	0.66	
		For Walls >10' High, Add	0.19		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.74		
		For >100 To 500, Add	0.37		
		For >5,000, Deduct	-0.15		
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	3.27	0.71	
		For Walls >10' High, Add	0.20		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.75	0.75	
		For Ceilings >10' High, Add	0.25		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.89	0.75	
		For Ceilings >10' High, Add	0.25		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.03	0.75	
		For Ceilings >10' High, Add	0.25		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.38	0.75	
		For Ceilings >10' High, Add	0.25		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.61	1.07	
		For Columns And Beams >10' High, Add	0.35		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.18		
		For >100 To 500, Add	0.59		
		For >5,000, Deduct	-0.24		
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.74	1.07	
		For Columns And Beams >10' High, Add	0.35		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.18		
		For >100 To 500, Add	0.59		
		For >5,000, Deduct	-0.24		
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.88	1.07	
		For Columns And Beams >10' High, Add	0.35		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.18		
		For >100 To 500, Add	0.59		
		For >5,000, Deduct	-0.24		
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.83	1.34	
		For Columns And Beams >10' High, Add	0.44		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.48		
		For >100 To 500, Add	0.74		
		For >5,000, Deduct	-0.30		
09 22 36 23-0014	Self-Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)				
09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.64	0.71	
		For Walls >10' High, Add	0.20		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.78	0.71	
		For Walls >10' High, Add	0.20		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.92	0.71	
		For Walls >10' High, Add	0.20		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.27	0.71	
		For Walls >10' High, Add	0.20		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.21	1.34	
		For Columns And Beams >10' High, Add	0.44		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.48		
		For >100 To 500, Add	0.74		
		For >5,000, Deduct	-0.30		
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.34	1.34	
		For Columns And Beams >10' High, Add	0.44		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.48		
		For >100 To 500, Add	0.74		
		For >5,000, Deduct	-0.30		
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.48	1.34	
		For Columns And Beams >10' High, Add	0.44		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.48		
		For >100 To 500, Add	0.74		
		For >5,000, Deduct	-0.30		
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.25	1.53	
		For Columns And Beams >10' High, Add	0.51		
		For Paper Backed Lath, Add	0.06		
		For Up To 100, Add	1.69		
		For >100 To 500, Add	0.85		
		For >5,000, Deduct	-0.34		
09 22 36 23-0023 High Rib Metal Lath (09 22 36 23)					
09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.14	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.33	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.46	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.68	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 33 Fiberglass Lath (09 22 36)					
09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)					
09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.45	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.71	0.75	
		For Ceilings >10' High, Add	0.25		
		For Up To 100, Add	0.85		
		For >100 To 500, Add	0.42		
		For >5,000, Deduct	-0.17		
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.34	0.71	
		For Walls >10' High, Add	0.20		
		For Up To 100, Add	0.79		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		



Finishes			09
Plaster and Gypsum Board			09 20
Supports for Plaster and Gypsum Board			09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0005	SF		1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.60	0.71
			For Walls >10' High, Add	0.20	
			For Up To 100, Add	0.79	
			For >100 To 500, Add	0.40	
			For >5,000, Deduct	-0.16	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.49	1.07
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.50	1.07
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications.....	4.84	1.07
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications.....	4.28	1.07
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications.....	4.32	1.07

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications.....	4.88	1.07
		For Vinyl Instead Of Galvanized, Add	0.34	
		For Zinc Instead Of Galvanized, Add	2.26	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	4.88	1.07
		For Vinyl Instead Of Galvanized, Add	0.34	
		For Zinc Instead Of Galvanized, Add	2.26	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications.....	4.88	1.07
		For Vinyl Instead Of Galvanized, Add	0.34	
		For Zinc Instead Of Galvanized, Add	2.26	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	5.20	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications.....	5.44	1.07

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.40	
		For Walls >10' High, Add	0.12	
		For Horizontal Installation Up To 10' High, Add	0.18	
		For Horizontal Installation >10' High, Add	0.36	
		For Columns Or Beams Up To 10' High, Add	0.37	
		For Columns Or Beams >10' High, Add	0.55	
		For Up To 100, Add	0.60	
		For >100 To 500, Add	0.30	
		For >5,000, Deduct	-0.24	
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.02	
		For Walls >10' High, Add	0.09	
		For Horizontal Installation Up To 10' High, Add	0.13	
		For Horizontal Installation >10' High, Add	0.26	
		For Columns Or Beams Up To 10' High, Add	0.27	
		For Columns Or Beams >10' High, Add	0.40	
		For Up To 100, Add	0.44	
		For >100 To 500, Add	0.22	
		For >5,000, Deduct	-0.17	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.96	4.00
		For Walls >10' High, Add	0.66	
		For Horizontal Installation Up To 10' High, Add	0.99	
		For Horizontal Installation >10' High, Add	1.98	
		For Columns Or Beams Up To 10' High, Add	2.05	
		For Columns Or Beams >10' High, Add	3.04	
		For Up To 100, Add	3.30	
		For >100 To 500, Add	1.65	
		For >5,000, Deduct	-1.32	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls.....	7.01	3.79
		For Walls >10' High, Add	0.62	
		For Horizontal Installation Up To 10' High, Add	0.93	
		For Horizontal Installation >10' High, Add	1.86	
		For Columns Or Beams Up To 10' High, Add	1.92	
		For Columns Or Beams >10' High, Add	2.85	
		For Up To 100, Add	3.10	
		For >100 To 500, Add	1.55	
		For >5,000, Deduct	-1.24	

09 Finishes**09 20 Plaster and Gypsum Board****09 23 Gypsum Plastering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0020	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.15	3.79
			For Walls >10' High, Add	0.62	
			For Horizontal Installation Up To 10' High, Add	0.93	
			For Horizontal Installation >10' High, Add	1.86	
			For Columns Or Beams Up To 10' High, Add	1.92	
			For Columns Or Beams >10' High, Add	2.85	
			For Up To 100, Add	3.10	
			For >100 To 500, Add	1.55	
			For >5,000, Deduct	-1.24	
09 23 13 00-0021			Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022	SF		Smooth Finish Three Coats Gypsum Plaster On Walls	8.41	4.87
			For Walls >10' High, Add	0.79	
			For Horizontal Installation Up To 10' High, Add	1.18	
			For Horizontal Installation >10' High, Add	2.37	
			For Columns Or Beams Up To 10' High, Add	2.45	
			For Columns Or Beams >10' High, Add	3.63	
			For Up To 100, Add	3.95	
			For >100 To 500, Add	1.97	
			For >5,000, Deduct	-1.58	
09 23 13 00-0023	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls	8.28	4.44
			For Walls >10' High, Add	0.73	
			For Horizontal Installation Up To 10' High, Add	1.10	
			For Horizontal Installation >10' High, Add	2.19	
			For Columns Or Beams Up To 10' High, Add	2.27	
			For Columns Or Beams >10' High, Add	3.36	
			For Up To 100, Add	3.66	
			For >100 To 500, Add	1.83	
			For >5,000, Deduct	-1.46	
09 23 13 00-0024	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	7.90	4.44
			For Walls >10' High, Add	0.73	
			For Horizontal Installation Up To 10' High, Add	1.09	
			For Horizontal Installation >10' High, Add	2.18	
			For Columns Or Beams Up To 10' High, Add	2.26	
			For Columns Or Beams >10' High, Add	3.35	
			For Up To 100, Add	3.64	
			For >100 To 500, Add	1.82	
			For >5,000, Deduct	-1.46	
09 23 13 00-0025			Plaster Bonding Agent (09 23 13)		
09 23 13 00-0026	SF		1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.79	
			For Walls >10' High, Add	0.06	
			For Columns Or Beams Up To 10' High, Add	0.19	
			For Columns Or Beams >10' High, Add	0.29	
			For Ceiling Application Up To 10' High, Add	0.08	
			For Ceiling Application >10' High, Add	0.15	
09 24			Cement Plastering (09 20)		
09 24 13			Acoustical Cement Plastering (09 24)		
09 24 13 00-0001			Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)		
			Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002	SF		1 Coat Keene's Cement Plaster On Walls	5.25	2.71
			For Walls >10' High, Add	0.43	
			For Horizontal Installation Up To 10' High, Add	0.65	
			For Horizontal Installation >10' High, Add	1.30	
			For Columns Or Beams Up To 10' High, Add	1.34	
			For Columns Or Beams >10' High, Add	1.99	
			For Up To 100, Add	2.17	
			For >100 To 500, Add	1.08	
			For >5,000, Deduct	-0.87	
09 24 13 00-0003	SF		2 Coat Keene's Cement Plaster On Walls	8.02	4.22
			For Walls >10' High, Add	0.69	
			For Horizontal Installation Up To 10' High, Add	1.03	
			For Horizontal Installation >10' High, Add	2.06	
			For Columns Or Beams Up To 10' High, Add	2.13	
			For Columns Or Beams >10' High, Add	3.16	
			For Up To 100, Add	3.43	
			For >100 To 500, Add	1.72	
			For >5,000, Deduct	-1.37	
09 24 13 00-0004	SF		3 Coat Keene's Cement Plaster On Walls	9.07	4.76
			For Walls >10' High, Add	0.78	
			For Horizontal Installation Up To 10' High, Add	1.16	
			For Horizontal Installation >10' High, Add	2.33	
			For Columns Or Beams Up To 10' High, Add	2.40	
			For Columns Or Beams >10' High, Add	3.57	
			For Up To 100, Add	3.88	
			For >100 To 500, Add	1.94	
			For >5,000, Deduct	-1.55	
09 24 23			Cement Stucco (09 24)		



		Finishes	09	
		Plaster and Gypsum Board	09 20	
		Cement Plastering	09 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001			Stucco (09 24 23) Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002	SF		Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. For Walls >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Columns Or Beams Up To 10' High, Add For Columns Or Beams >10' High, Add For Color Added To Finish Coat, Add For Smooth Float Finish, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	10.29 0.92 1.38 2.75 2.84 4.22 0.15 1.93 4.59 2.29 -1.83	3.36
09 24 23 00-0003	SF		Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. For Walls >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Columns Or Beams Up To 10' High, Add For Columns Or Beams >10' High, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	4.34 0.34 0.50 1.01 1.04 1.55 1.68 0.84 -0.67	1.63
09 24 23 00-0004	SF		Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. For Walls >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Columns Or Beams Up To 10' High, Add For Columns Or Beams >10' High, Add For Color Added To Finish Coat, Add For Smooth Float Finish, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	6.77 0.60 0.89 1.79 1.84 2.74 0.15 1.64 2.98 1.49 -1.19	1.63
09 24 23 00-0005	SF		Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side. For Walls >10' High, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Columns Or Beams Up To 10' High, Add For Columns Or Beams >10' High, Add For Color Added To Finish Coat, Add For Smooth Float Finish, Add For Up To 100, Add For >100 To 500, Add For >5,000, Deduct	4.47 0.43 0.65 1.30 1.34 1.99 0.15 1.63 2.17 1.08 -0.87	1.08

09 24 33 Cement Parging (09 24)

09 24 33 00-0001			Cement Parging (09 24 33)		
09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging	4.11	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging	5.23	
09 24 33 00-0004	SF		1/2" Thick Sand And Cement Parging	7.99	

09 28 Backing Boards and Underlayments (09 20)

09 28 13 Cementitious Backing Boards (09 28)

09 28 13 00-0001			Cementitious Backer Units (09 28 13) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For Installation On Wall, Add For Installation On Ceiling, Add	3.98 3.16 0.58 -0.29 0.58 1.44	0.72
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For Installation On Wall, Add For Installation On Ceiling, Add	4.58 3.73 0.69 -0.35 0.69 1.73	0.87
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For Installation On Wall, Add For Installation On Ceiling, Add	5.61 4.43 0.81 -0.40 0.81 2.02	1.01

09 Finishes**09 20 Plaster and Gypsum Board****09 28 Backing Boards and Underlayments**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 28 16	Glass-Mat Faced Gypsum Backing Boards (09 28)			
09 28 16 00-0001	Glass Mat Faced Backer Units, DensShield (09 28 16) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.			
09 28 16 00-0002	SF 1/2" DensShield Tile Backer For Installation On Floors	3.58		0.81
	For Up To 50, Add	2.45		
	For >50 To 250, Add	0.41		
	For >1,000, Deduct	-0.21		
	For Installation On Wall, Add	0.41		
	For Installation On Ceiling, Add	1.04		
09 28 16 00-0003	SF 5/8" DensShield Tile Backer For Installation On Floors	4.22		0.92
	For Up To 50, Add	2.79		
	For >50 To 250, Add	0.46		
	For >1,000, Deduct	-0.23		
	For Installation On Wall, Add	0.46		
	For Installation On Ceiling, Add	1.16		
09 29	Gypsum Board (09 29)			
	Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.			
09 29 10	Gypsum Board (09 29)			
09 29 10 00-0001	Standard Gypsum Board Application (09 29 10) Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.			
09 29 10 00-0002	Standard Gypsum Board Application (09 29 10 00-0001)			
09 29 10 00-0003	SF 1/4" Gypsum Board.....	1.40		0.46
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22		
	For Adhesive Applied Sheets, Add	0.11		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.31		
	For Horizontal Installation >10' High, Add	0.46		
	For Walls >10' High, Add	0.07		
	For Up To 128, Add	0.46		
	For >128 To 320, Add	0.28		
	For >1,536, Deduct	-0.12		
09 29 10 00-0004	SF 3/8" Gypsum Board.....	1.52		0.51
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24		
	For Adhesive Applied Sheets, Add	0.11		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.35		
	For Horizontal Installation >10' High, Add	0.52		
	For Walls >10' High, Add	0.08		
	For Up To 128, Add	0.51		
	For >128 To 320, Add	0.31		
	For >1,536, Deduct	-0.12		
09 29 10 00-0005	SF 1/2" Gypsum Board.....	1.67		0.59
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28		
	For Adhesive Applied Sheets, Add	0.12		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.40		
	For Horizontal Installation >10' High, Add	0.60		
	For Walls >10' High, Add	0.10		
	For Up To 128, Add	0.57		
	For >128 To 320, Add	0.35		
	For >1,536, Deduct	-0.13		
09 29 10 00-0006	SF 5/8" Gypsum Board.....	1.96		0.68
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.47		
	For Horizontal Installation >10' High, Add	0.69		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	0.67		
	For >128 To 320, Add	0.40		
	For >1,536, Deduct	-0.16		
09 29 10 00-0007	Fire Rated Gypsum Board Application (09 29 10 00-0001)			
09 29 10 00-0008	Type X, Fire Rated Gypsum Board (09 29 10 00-0007)			



		Finishes	09	
		Plaster and Gypsum Board	09 20	
		Gypsum Board	09 29	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.09 0.35 0.14 0.10 0.51 0.76 0.12 0.72 0.44 -0.16	0.68
09 29 10 00-0010		Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.92 0.31 0.13 0.10 0.45 0.66 0.10 0.65 0.39 -0.16	0.59
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.16 0.35 0.14 0.10 0.51 0.76 0.12 0.73 0.44 -0.17	0.68
09 29 10 00-0013		Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.97 0.36 0.14 0.51 0.76 0.12 0.90 0.52 -0.29	0.68
09 29 10 00-0015		Moisture Resistant Gypsum Board Application (09 29 10 00-0001) <i>Note: Water-resistant gypsum core.</i>		
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.82 0.28 0.12 0.40 0.60 0.10 0.60 0.36 -0.15	0.59
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.37 0.33 0.13 0.47 0.69 0.11 0.75 0.44 -0.22	0.59
09 29 10 00-0018		Vinyl Faced Gypsum Board Application (09 29 10 00-0001) <i>Note: Includes clips and adhesive.</i>		

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0019	SF		3/8" Prefinished, Vinyl Faced Gypsum Board	3.77	0.46
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
			For Adhesive Applied Sheets, Add	0.11	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.35	
			For Horizontal Installation >10' High, Add	0.52	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.96	
			For >128 To 320, Add	0.53	
			For >1,536, Deduct	-0.46	
09 29 10 00-0020	SF		1/2" Prefinished, Vinyl Faced Gypsum Board	3.92	0.59
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.40	
			For Horizontal Installation >10' High, Add	0.60	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	1.02	
			For >128 To 320, Add	0.57	
			For >1,536, Deduct	-0.47	
09 29 10 00-0021	SF		5/8" Prefinished, Vinyl Faced Gypsum Board	4.10	0.68
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.47	
			For Horizontal Installation >10' High, Add	0.69	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	1.09	
			For >128 To 320, Add	0.62	
			For >1,536, Deduct	-0.48	
09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.50	0.59
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.66	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	1.16	
			For >128 To 320, Add	0.65	
			For >1,536, Deduct	-0.54	
09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	6.74	0.68
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.51	
			For Horizontal Installation >10' High, Add	0.76	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	1.65	
			For >128 To 320, Add	0.90	
			For >1,536, Deduct	-0.86	
09 29 10 00-0024			Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.13	0.57
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.40	
			For Horizontal Installation >10' High, Add	0.60	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	0.66	
			For >128 To 320, Add	0.39	
			For >1,536, Deduct	-0.20	
09 29 10 00-0026	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.53	0.65
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.47	
			For Horizontal Installation >10' High, Add	0.69	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	0.78	
			For >128 To 320, Add	0.46	
			For >1,536, Deduct	-0.24	



		Finishes	09	
		Plaster and Gypsum Board	09 20	
		Gypsum Board	09 29	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.53		0.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.45		
		For Horizontal Installation >10' High, Add	0.66		
		For Walls >10' High, Add	0.10		
		For Up To 128, Add	0.77		
		For >128 To 320, Add	0.45		
		For >1,536, Deduct	-0.25		
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.84		0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.51		
		For Horizontal Installation >10' High, Add	0.76		
		For Walls >10' High, Add	0.12		
		For Up To 128, Add	0.87		
		For >128 To 320, Add	0.51		
		For >1,536, Deduct	-0.28		
09 29 10 00-0029		Impact Resistant Gypsum Board (09 29 10 00-0001)			
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.18		0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.46		
		For Horizontal Installation >10' High, Add	0.68		
		For Walls >10' High, Add	0.11		
		For Up To 128, Add	1.11		
		For >128 To 320, Add	0.62		
		For >1,536, Deduct	-0.49		
09 29 10 00-0031		Abuse Resistant Gypsum Board (09 29 10 00-0001)			
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	2.60		0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.46		
		For Horizontal Installation >10' High, Add	0.68		
		For Walls >10' High, Add	0.11		
		For Up To 128, Add	0.79		
		For >128 To 320, Add	0.46		
		For >1,536, Deduct	-0.25		
09 29 10 00-0033		Noise Reducing Gypsum Board (09 29 10 00-0001)			
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	4.87		0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.47		
		For Horizontal Installation >10' High, Add	0.69		
		For Walls >10' High, Add	0.11		
		For Up To 128, Add	1.25		
		For >128 To 320, Add	0.69		
		For >1,536, Deduct	-0.59		
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.86		0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.47		
		For Horizontal Installation >10' High, Add	0.69		
		For Walls >10' High, Add	0.11		
		For Up To 128, Add	1.45		
		For >128 To 320, Add	0.79		
		For >1,536, Deduct	-0.74		

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0036	Finishing Gypsum Board Applications (09 29 10) Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.			
09 29 10 00-0037	Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)			
09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.80	
		For Up To 128, Add	0.30	
		For >128 To 320, Add	0.19	
		For >5,400, Deduct	-0.08	
		For ASTM C840 Level 1 Finish, Deduct	-0.38	
		For ASTM C840 Level 2 Finish, Deduct	-0.19	
		For ASTM C840 Level 3 Finish, Deduct	-0.08	
		For ASTM C840 Level 5 High Quality Finish, Add	0.59	
		For Spray Applied Textured Or Orange Peel Finish, Add	0.59	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.06	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	0.41	
		For >128 To 320, Add	0.25	
		For >5,400, Deduct	-0.11	
		For ASTM C840 Level 1 Finish, Deduct	-0.51	
		For ASTM C840 Level 2 Finish, Deduct	-0.25	
		For ASTM C840 Level 3 Finish, Deduct	-0.10	
		For ASTM C840 Level 5 High Quality Finish, Add	0.78	
		For Spray Applied Textured Or Orange Peel Finish, Add	0.78	
09 29 10 00-0040	Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)			
09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.04	
		For Up To 128, Add	0.40	
		For >128 To 320, Add	0.25	
		For >5,400, Deduct	-0.10	
		For ASTM C840 Level 1 Finish, Deduct	-0.50	
		For ASTM C840 Level 2 Finish, Deduct	-0.25	
		For ASTM C840 Level 3 Finish, Deduct	-0.10	
		For ASTM C840 Level 5 High Quality Finish, Add	0.77	
		For Spray Applied Textured Or Orange Peel Finish, Add	0.77	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.39	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	0.54	
		For >128 To 320, Add	0.34	
		For >5,400, Deduct	-0.14	
		For ASTM C840 Level 1 Finish, Deduct	-0.67	
		For ASTM C840 Level 2 Finish, Deduct	-0.34	
		For ASTM C840 Level 3 Finish, Deduct	-0.14	
		For ASTM C840 Level 5 High Quality Finish, Add	1.03	
		For Spray Applied Textured Or Orange Peel Finish, Add	1.03	
09 29 10 00-0043	Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 10 00-0036)			
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.59	
		For ASTM C840 Level 1 Finish, Deduct	-0.74	
		For ASTM C840 Level 2 Finish, Deduct	-0.37	
		For ASTM C840 Level 3 Finish, Deduct	-0.15	
		For ASTM C840 Level 5 High Quality Finish, Add	1.16	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.89	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	-0.89	
		For ASTM C840 Level 2 Finish, Deduct	-0.44	
		For ASTM C840 Level 3 Finish, Deduct	-0.18	
		For ASTM C840 Level 5 High Quality Finish, Add	1.39	
09 29 10 00-0046	Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 (09 29 10 00-0036)			
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.84	
		For ASTM C840 Level 1 Finish, Deduct	-0.86	
		For ASTM C840 Level 2 Finish, Deduct	-0.43	
		For ASTM C840 Level 3 Finish, Deduct	-0.17	
		For ASTM C840 Level 5 High Quality Finish, Add	1.35	



Finishes		09
Plaster and Gypsum Board		09 20
Gypsum Board		09 29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0048	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	2.20 -1.04 -0.52 -0.21 1.62	
09 29 10 00-0049 Casing And Corner Beads (09 29 10)					
09 29 10 00-0050	LF		Casing, Galvanized Steel J-Bead For Gypsum Board For Up To 100, Add For >500, Deduct	4.50 0.37 -0.23	1.15
09 29 10 00-0051	LF		Corner Bead, Galvanized Steel For Gypsum Board For Up To 100, Add For >500, Deduct	4.12 0.29 -0.21	1.15
09 29 10 00-0052 Preformed Architectural Profiles (09 29 10)					
09 29 10 00-0053 Trim Reveals For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0054	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.36	1.38
09 29 10 00-0055	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.42	1.38
09 29 10 00-0056	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.64	1.38
09 29 10 00-0057	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.75	1.38
09 29 10 00-0058	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.02	1.38
09 29 10 00-0059	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.30	1.38
09 29 10 00-0060	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.58	1.38
09 29 10 00-0061	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.46	1.38
09 29 10 00-0062	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.34	1.38
09 29 10 00-0063	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.48	1.50
09 29 10 00-0064	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.48	1.50
09 29 10 00-0065	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.09	1.50
09 29 10 00-0066	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.20	1.50
09 29 10 00-0067	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.58	1.50
09 29 10 00-0068	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.75	1.50
09 29 10 00-0069	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.97	1.50
09 29 10 00-0070	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.97	1.50
09 29 10 00-0071	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.96	1.50
09 29 10 00-0072	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	13.83	1.72
09 29 10 00-0073	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	15.49	1.72
09 29 10 00-0074 Edge Trim For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0075	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.75	1.44
09 29 10 00-0076	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.19	1.44
09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.29	1.59
09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.63	1.72
09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.28	1.44
09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.72	1.44
09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	12.81	1.59
09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	13.16	1.72
09 29 10 00-0083 Bevel Trim For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0084	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.19	1.44
09 29 10 00-0085	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	7.12	1.59
09 29 10 00-0086 Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0087	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	8.57	1.72
09 29 10 00-0088 Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0089	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.27	0.92
09 29 10 00-0090	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.30	1.04
09 29 10 00-0091	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.26	1.15
09 29 10 00-0092	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.70	1.27
09 29 10 00-0093	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.13	1.38
09 29 10 00-0094	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.29	1.38
09 29 10 00-0095	LF		1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.79	1.38
09 29 10 00-0096	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.73	1.38
09 29 10 00-0097	LF		2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.06	1.38
09 29 10 00-0098	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.58	1.50
09 29 10 00-0099	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.69	1.50
09 29 10 00-0100	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.30	1.50
09 29 10 00-0101	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.58	1.50
09 29 10 00-0102	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.80	1.50
09 29 10 00-0103	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.08	1.50
09 29 10 00-0104	LF		1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.46	1.50
09 29 10 00-0105	LF		1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.46	1.50
09 29 10 00-0106	LF		2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	11.28	1.50

09 Finishes

09 20 Plaster and Gypsum Board

09 29 Gypsum Board



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	13.94	1.50
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	19.02	1.50
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.94	1.50
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	13.38	1.50
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	14.88	1.50
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	15.04	1.50
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	17.19	1.50
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.99	1.50
09 29 10 00-0115 'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.36	2.07
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.70	2.31
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.17	2.76
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.29	2.99
09 29 10 00-0120 Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.01	1.38
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.12	1.38
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.23	1.38
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.23	1.38
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.73	1.38
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.95	1.36
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.17	1.38
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.67	1.38
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.50	1.38
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.38	1.38
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.52	1.50
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.63	1.50
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.85	1.50
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.35	1.50
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.57	1.50
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.73	1.50
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.28	1.50
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.17	1.50
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.05	1.50
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.43	1.50
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.40	1.50
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	18.18	1.63
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.63	1.99
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	21.34	1.99
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	16.58	1.36
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.05	1.99
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	10.83	1.36
09 29 10 00-0148 Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0149 Radius Conditions (09 29 10 00-0148)				
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board	138.08	
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board	138.08	
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board	138.08	
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)				
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	293.88	14.38
09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)				
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	39.12	5.76
09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.29	1.38
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.85	1.50
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.87	1.56
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	11.06	1.63
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.39	1.99
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.55	2.24
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.94	2.57
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	23.06	3.00
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	31.74	4.00
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.30	1.33
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	15.52	1.80
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.94	1.80
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	20.38	1.80



Finishes			09
Plaster and Gypsum Board			09 20
Gypsum Board			09 29

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	29.13		2.24
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	27.92		2.24
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	8.05		1.56
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	8.14		1.50
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	8.24		1.38
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	8.63		1.50
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	11.78		1.63
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.39		1.38
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.95		1.50
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	16.31		1.63
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	18.12		1.38
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board.....	30.84		3.00
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	33.05		3.00
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	61.46		4.99
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	102.52		7.07
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	9.91		1.54
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	11.39		1.61
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	13.67		1.97
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	16.87		2.21
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	24.19		2.54
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	26.04		2.95
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	29.31		3.93
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.42		2.95
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.69		2.95
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	20.46		2.95
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	21.01		2.95

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001	Shaft Wall (09 29 82) See CSI section 09 29 10 00-0036 for finishing drywall.				
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly.....	7.33		2.88
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.			
		For Horizontal Installation Up To 10' High, Add	1.96		
		For Horizontal Installation >10' High, Add	2.88		
		For Walls >10' High, Add	0.46		
		For Up To 128, Add	2.62		
		For >128 To 320, Add	1.60		
		For >1,536, Deduct	-0.52		
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly.....	8.51		3.45
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.			
		For Horizontal Installation Up To 10' High, Add	2.35		
		For Horizontal Installation >10' High, Add	3.46		
		For Walls >10' High, Add	0.55		
		For Up To 128, Add	3.08		
		For >128 To 320, Add	1.89		
		For >1,536, Deduct	-0.59		
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.05		2.22
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.51		
		For Horizontal Installation >10' High, Add	2.22		
		For Walls >10' High, Add	0.35		
		For Up To 128, Add	2.50		
		For >128 To 320, Add	1.47		
		For Glass Mat Surfaces, Add	0.34		
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.71		2.33
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.58		
		For Horizontal Installation >10' High, Add	2.33		
		For Walls >10' High, Add	0.37		
		For Up To 128, Add	2.67		
		For >128 To 320, Add	1.57		
		For Glass Mat Surfaces, Add	0.34		
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	9.85		2.33
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.58		
		For Horizontal Installation >10' High, Add	2.33		
		For Walls >10' High, Add	0.37		
		For Up To 128, Add	2.90		
		For >128 To 320, Add	1.68		
		For Glass Mat Surfaces, Add	0.34		
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	10.54		2.44
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.66		
		For Horizontal Installation >10' High, Add	2.44		
		For Walls >10' High, Add	0.39		
		For Up To 128, Add	3.08		
		For >128 To 320, Add	1.79		
		For Glass Mat Surfaces, Add	0.34		

09 Finishes**09 30 Tiling**

09 29 Gypsum Board

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**09 30 Tiling** ⁽⁰⁹⁾

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling ^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling ^(09 30 13)

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile.....	17.74	3.13
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	9.12	
		For >50 To 250, Add	1.25	
		For >1,000, Deduct	-0.62	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.41	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.60	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile.....	12.12	3.13
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	7.71	
		For >50 To 250, Add	1.25	
		For >1,000, Deduct	-0.62	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.41	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.60	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	13.68	1.95
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	9.27	
		For >50 To 250, Add	1.56	
		For >1,000, Deduct	-0.78	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.83	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	19.07	3.78
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	10.45	
		For >50 To 250, Add	1.51	
		For >1,000, Deduct	-0.76	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.80	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile	13.45	3.78
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	9.04	
		For >50 To 250, Add	1.51	
		For >1,000, Deduct	-0.76	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.80	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	15.45	2.40
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	11.04	
		For >50 To 250, Add	1.91	
		For >1,000, Deduct	-0.96	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.91	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.10	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile	19.00	6.56
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For High-Modulus, High-Strength Epoxy Grout, Add	2.44	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.63	
		For Up To 50, Add	14.59	
		For >50 To 250, Add	2.62	
		For >1,000, Deduct	-1.31	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile	21.62	3.93
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	2.83	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	3.02	
		For Up To 50, Add	17.21	
		For >50 To 250, Add	3.15	
		For >1,000, Deduct	-1.57	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim.....	12.39	2.73
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.88	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.97	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	21.12	2.73
		For High-Modulus, High-Strength Epoxy Grout, Add	1.88	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.97	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	23.90	2.73
		For High-Modulus, High-Strength Epoxy Grout, Add	1.88	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.97	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	19.51	0.60



		Finishes	09	29
		Tiling	09 30	
		Ceramic Tiling	09 30 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0014	SF	1" Hexagon, Mosaic Ceramic Floor Tile (Daltile Carrara)	43.29		
		For Up To 50, Add	15.54		
		For >50 To 250, Add	1.26		
		For >1,000, Deduct	-0.63		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.41		
09 30 13 00-0015	SF	2" x 4", Matt Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Calcite).....	45.28		
		For Up To 50, Add	17.01		
		For >50 To 250, Add	1.52		
		For >1,000, Deduct	-0.76		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61		
09 30 13 00-0016	SF	2" x 4", Gloss Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Loch Ness)	32.77		
		For Up To 50, Add	13.89		
		For >50 To 250, Add	1.52		
		For >1,000, Deduct	-0.76		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61		
09 30 13 00-0017	SF	4" x 4", Matt Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Calcite).....	57.38		
		For Up To 50, Add	20.04		
		For >50 To 250, Add	1.52		
		For >1,000, Deduct	-0.76		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61		
09 30 13 00-0018	SF	2" x 8", Gloss Finish, Glazed Brick Tile With 3/6" Joint Size (Fireclay Tile Blue Nebula).....	41.65		
		For Up To 50, Add	17.61		
		For >50 To 250, Add	1.92		
		For >1,000, Deduct	-0.96		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.91		
09 30 13 00-0019 Residential Ceramic Tiling (09 30 13)					
09 30 13 00-0020	SF	Mounted Ceramic Floor Tile, Residential Grade.....	9.95		3.13
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
		For Up To 50, Add	7.17		
		For >50 To 250, Add	1.25		
		For >1,000, Deduct	-0.62		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.41		
09 30 13 00-0021	SF	Mounted Ceramic Wall Tile, Residential Grade	11.28		3.78
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
		For Up To 50, Add	8.50		
		For >50 To 250, Add	1.51		
		For >1,000, Deduct	-0.76		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.61		
09 30 13 00-0022	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade	12.35		3.13
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.			
		For Up To 50, Add	7.77		
		For >50 To 250, Add	1.25		
		For >1,000, Deduct	-0.62		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.41		
09 30 16 Quarry Tiling (09 30)					
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 16 00-0001	SF	Unglazed Quarry Floor Tile.....	13.08		2.20
		Note: With or without embedded abrasive grit.			
		For Up To 50, Add	9.83		
		For >50 To 250, Add	1.75		
		For >1,000, Deduct	-0.87		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.78		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.97		
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	26.81		2.20
		For Up To 50, Add	13.26		
		For >50 To 250, Add	1.75		
		For >1,000, Deduct	-0.87		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.78		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.97		
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile.....	14.83		2.60
		Note: With or without embedded abrasive grit.			
		For Up To 50, Add	11.58		
		For >50 To 250, Add	2.10		
		For >1,000, Deduct	-1.05		
		For High-Modulus, High-Strength Epoxy Grout, Add	2.04		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.23		
09 30 16 00-0004	SF	Glazed Quarry Wall Tile.....	28.56		2.60
		For Up To 50, Add	15.01		
		For >50 To 250, Add	2.10		
		For >1,000, Deduct	-1.05		
		For High-Modulus, High-Strength Epoxy Grout, Add	2.04		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.23		
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim.....	18.43		2.89
		For High-Modulus, High-Strength Epoxy Grout, Add	1.97		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.06		
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	40.94		2.89
		For High-Modulus, High-Strength Epoxy Grout, Add	1.97		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.06		

09 Finishes**09 30 Tiling****09 30 23 Glass Mosaic Tiling**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 30 23 Glass Mosaic Tiling (09 30)

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 23 00-0001 SF Up To 1"x1", Unmounted Glass Wall Tile 33.98 2.40

09 30 33 Stone Tiling (09 30)

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile (09 30 33)

09 30 33 00-0002 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom" 11.81 1.95

For Up To 50, Add 8.80
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0003 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown" 12.18 1.95

For Up To 50, Add 8.90
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0004 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray" 12.38 1.95

For Up To 50, Add 8.95
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0005 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe" 12.47 1.95

For Up To 50, Add 8.97
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0006 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black" 12.52 1.95

For Up To 50, Add 8.98
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0007 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed" 12.61 1.95

For Up To 50, Add 9.00
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0008 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula" 12.81 1.95

For Up To 50, Add 9.05
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0009 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green" 14.11 1.95

For Up To 50, Add 9.38
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0010 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light" 14.26 1.95

For Up To 50, Add 9.42
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0011 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream" 14.53 1.95

For Up To 50, Add 9.48
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0012 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic" 14.83 1.95

For Up To 50, Add 9.56
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00

09 30 33 00-0013 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara" 15.04 1.95

For Up To 50, Add 9.61
For >50 To 250, Add 1.56
For >1,000, Deduct -0.78
For High-Modulus, High-Strength Epoxy Grout, Add 1.64
For Heavy-Duty Floors With A PEI 5 Rating, Add 1.00



		Finishes	09
		Tiling	09 30
		Stone Tiling	09 30 33

2

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0014	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	15.76	1.95
			For Up To 50, Add	9.79	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	17.10	1.95
			For Up To 50, Add	10.13	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Arabescato"	17.19	1.95
			For Up To 50, Add	10.15	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0017	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Carrara White"	18.19	1.95
			For Up To 50, Add	10.40	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	18.53	1.95
			For Up To 50, Add	10.48	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	18.68	1.95
			For Up To 50, Add	10.52	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	18.91	1.95
			For Up To 50, Add	10.58	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	20.77	1.95
			For Up To 50, Add	11.04	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rosa Verona"	21.83	1.95
			For Up To 50, Add	11.31	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	22.11	1.95
			For Up To 50, Add	11.38	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Light"	22.26	1.95
			For Up To 50, Add	11.42	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0025			Granite Floor Tile (09 30 33)		
09 30 33 00-0026	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Crystal Gray"	10.81	1.95
			For Up To 50, Add	8.55	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Peach Flower"	11.52	1.95
			For Up To 50, Add	8.73	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0028	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Golden Yellow"	12.09	1.95
			For Up To 50, Add	8.87	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Absolute Black"	14.38	1.95
			For Up To 50, Add	9.45	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Tan Brown"	14.83	1.95
			For Up To 50, Add	9.56	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0031	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Black Galaxy"	15.24	1.95
			For Up To 50, Add	9.66	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0032	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	15.67	1.95
			For Up To 50, Add	9.77	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia"	16.19	1.95
			For Up To 50, Add	9.90	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0034	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	16.67	1.95
			For Up To 50, Add	10.02	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	17.19	1.95
			For Up To 50, Add	10.15	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Tropic Brown"	17.68	1.95
			For Up To 50, Add	10.27	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	18.25	1.95
			For Up To 50, Add	10.41	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	18.82	1.95
			For Up To 50, Add	10.56	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	20.82	1.95
			For Up To 50, Add	11.06	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0040			Slate Floor Tile (09 30 33)		
09 30 33 00-0041	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Raja Classic"	9.95	1.95
			For Up To 50, Add	8.34	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	



Finishes		09	2
Tiling		09 30	
Stone Tiling		09 30 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0042	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Rustic Gold"	10.32	1.95
			For Up To 50, Add	8.43	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	10.52	1.95
			For Up To 50, Add	8.48	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Indian Autumn"	10.52	1.95
			For Up To 50, Add	8.48	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0045	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	10.66	1.95
			For Up To 50, Add	8.52	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	11.09	1.95
			For Up To 50, Add	8.62	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	11.52	1.95
			For Up To 50, Add	8.73	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	11.66	1.95
			For Up To 50, Add	8.77	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0049	Travertine Floor Tile (09 30 33)				
09 30 33 00-0050	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	11.52	1.95
			For Up To 50, Add	8.73	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	11.95	1.95
			For Up To 50, Add	8.84	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	12.24	1.95
			For Up To 50, Add	8.91	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	12.67	1.95
			For Up To 50, Add	9.02	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	12.81	1.95
			For Up To 50, Add	9.05	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Durango Antique"	12.95	1.95
			For Up To 50, Add	9.09	
			For >50 To 250, Add	1.56	
			For >1,000, Deduct	-0.78	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	14.33	1.95
For Up To 50, Add	9.43	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0057 Limestone Floor Tile (09 30 33)		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	14.24	1.95
For Up To 50, Add	9.41	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	14.67	1.95
For Up To 50, Add	9.52	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0060 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	16.90	1.95
For Up To 50, Add	10.08	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	18.25	1.95
For Up To 50, Add	10.41	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0062 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone"	18.25	1.95
For Up To 50, Add	10.41	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0063 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	18.68	1.95
For Up To 50, Add	10.52	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0064 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	20.25	1.95
For Up To 50, Add	10.91	
For >50 To 250, Add	1.56	
For >1,000, Deduct	-0.78	
For High-Modulus, High-Strength Epoxy Grout, Add	1.64	
For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 31 Thin-Set Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)**09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)**

09 31 13 00-0002 SF Thin Set - Latex Portland Cement Mortar	1.82	1.04
For Up To 50, Add	1.63	
For >50 To 250, Add	0.31	
For >1,000, Deduct	-0.16	
09 31 13 00-0003 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.00	
For Up To 50, Add	1.00	
For >50 To 250, Add	0.20	
For >1,000, Deduct	-0.10	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)**09 32 13 00-0001 Mortar-Bed Ceramic Tiling (09 32 13)**

09 32 13 00-0002 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.56	2.08
Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.		
For Up To 50, Add	3.48	
For >50 To 250, Add	0.62	
For >1,000, Deduct	-0.31	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	



Finishes		09	2
Tiling		09 30	
Mortar-Bed Tiling		09 32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed..... Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For Exterior Installation (Galvanized Reinforcement), Add	6.37 4.72 0.83 -0.42 0.15	2.78
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls..... Note: Includes 15 Lb. felt and expanded metal lath. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For Exterior Installation (Galvanized Reinforcement), Add For Installation Without Felt And Metal Lath, Deduct	14.83 13.08 2.50 -1.25 0.15 -2.22	6.24

09 34 Waterproofing-Membrane Tiling (09 30)

09 34 00 00-0001			Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)		
09 34 00 00-0002			Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001) Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,461.21	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,698.35	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	2,522.55	
09 34 00 00-0006			Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001) Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	177.20	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	169.71	
09 34 00 00-0009			Prefabricated Polystyrene Shower Benches (09 34 00 00-0001) Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	369.52	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	744.17	
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	919.00	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	669.24	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	744.17	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	794.12	
09 34 00 00-0016			Prefabricated Polystyrene Shower Tray (09 34 00 00-0001) Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	314.57	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	314.57	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	489.41	
09 34 00 00-0020			Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.43	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	6.29	
09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.75	

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling (09 35)

09 35 13 00-0001			Chemical-Resistant Ceramic Tiling (09 35 13)		
09 35 13 00-0002	SF		Thin Set - Epoxy Mortar..... Note: Impact and chemical resistant. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	6.25 3.12 0.42 -0.21	1.37

09	09	Finishes
	09 30	Tiling
	09 39	Tiling Transitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 39 Tiling Transitions (09 39)

09 39 00 00-0001			Tile Waterproofing And Crack Prevention (09 39)		
09 39 00 00-0002	CSF		30 Mil Waterproofing And Crack Prevention Membrane; RedGard	138.75	

09 39 00 00-0003			Waterproof Strip Membranes (Schluter® KERDI) (09 39)		
09 39 00 00-0004	LF		5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	5.75	
09 39 00 00-0005	LF		10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.40	

09 39 00 00-0006			Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)		
09 39 00 00-0007	LF		5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.13	
09 39 00 00-0008	LF		3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.11	
09 39 00 00-0009	LF		1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.42	
09 39 00 00-0010	LF		5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.72	
09 39 00 00-0011	LF		3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.04	

09 39 00 00-0012			Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)		
09 39 00 00-0013	LF		9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.94	
09 39 00 00-0014	LF		11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.43	
09 39 00 00-0015	LF		7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.97	

09 39 00 00-0016			Tile Substrate (Schluter® KERDI BOARD) (09 39)		
09 39 00 00-0017	SF		1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.76	0.81
09 39 00 00-0018	SF		5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.00	0.92

09 39 00 00-0019			Floor Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0020	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.17	
09 39 00 00-0021	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.29	
09 39 00 00-0022	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.43	
09 39 00 00-0023	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.66	
09 39 00 00-0024	LF		1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.58	
09 39 00 00-0025	LF		5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.76	
09 39 00 00-0026	LF		3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.89	
09 39 00 00-0027	LF		1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.04	
09 39 00 00-0028	LF		9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.38	
09 39 00 00-0029	LF		1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.04	
09 39 00 00-0030	LF		1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.61	
09 39 00 00-0031	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.91	
09 39 00 00-0032	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.20	
09 39 00 00-0033	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.53	
09 39 00 00-0034	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.81	
09 39 00 00-0035	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.10	
09 39 00 00-0036	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.44	

09 39 00 00-0037			Outside Wall Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0038	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.78	
09 39 00 00-0039	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.09	
09 39 00 00-0040	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.55	
09 39 00 00-0041	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.02	
09 39 00 00-0042	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.41	
09 39 00 00-0043	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.00	
09 39 00 00-0044	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.59	
09 39 00 00-0045	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.63	

09 39 00 00-0046			Finishing And Edge Protection Profile For Outside Corners Of Tiled Surfaces (09 39)		
09 39 00 00-0047	LF		1/2" Height, Finish Edge Trim With Schluter Strip (Jolly A125AT)	5.35	

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001			Fiberglass Panels (09 51 13)		



		Finishes	09	2
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0002			Fiberglass Acoustical Panels (09 51 13 00-0001) Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0003	SF		2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	10.54 2.18 1.35 0.60 -0.26 -0.53 -0.83 1.35 -9.04 0.11	0.46
09 51 13 00-0004	SF		2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	10.47 2.17 1.35 0.60 -0.26 -0.52 -0.82 1.35 -8.97 0.11	0.46
09 51 13 00-0005	SF		2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	11.13 2.31 1.44 0.64 -0.28 -0.56 -0.88 1.44 -9.52 0.12	0.57
09 51 13 00-0006	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	11.25 2.33 1.45 0.64 -0.28 -0.56 -0.88 1.45 -9.64 0.12	0.57
09 51 13 00-0007	SF		2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	11.58 2.38 1.48 0.66 -0.29 -0.58 -0.91 1.48 -9.97 0.12	0.57
09 51 13 00-0008	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	11.56 2.38 1.48 0.66 -0.29 -0.58 -0.91 1.48 -9.95 0.12	0.57
09 51 13 00-0009	SF		2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™) For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	12.08 2.46 1.53 0.68 -0.30 -0.60 -0.95 1.53 -10.47 0.12	0.57

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.06		0.57
		For Up To 50, Add	2.45		
		For >50 To 200, Add	1.53		
		For >200 To 500, Add	0.68		
		For >2,500 To 4,000, Deduct	-0.30		
		For >4,000 To 5,000, Deduct	-0.60		
		For >5,000, Deduct	-0.94		
		For Individual Room Quantities <495, Add	1.53		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Owner Furnished Material, Deduct	-10.45		
		For Ceilings >10' High, Add	0.12		
09 51 13 00-0011		Mineral Fiber Panels (09 51 13)			
09 51 13 00-0012		Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)			
		Note: Includes square or tegular edge and class A fire rating.			
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.29		0.46
		For Up To 50, Add	0.94		
		For >50 To 200, Add	0.53		
		For >200 To 500, Add	0.19		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.21		
		For Individual Room Quantities <495, Add	0.53		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0014	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.26		0.70
		For Up To 50, Add	0.94		
		For >50 To 200, Add	0.53		
		For >200 To 500, Add	0.19		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.21		
		For Individual Room Quantities <495, Add	0.53		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.70		0.46
		For Up To 50, Add	1.01		
		For >50 To 200, Add	0.57		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.24		
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.68		0.69
		For Up To 50, Add	1.00		
		For >50 To 200, Add	0.57		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.13		
		For >5,000, Deduct	-0.24		
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.97		0.46
		For Up To 50, Add	1.05		
		For >50 To 200, Add	0.60		
		For >200 To 500, Add	0.22		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.15		
		For >5,000, Deduct	-0.26		
		For Individual Room Quantities <495, Add	0.60		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.97		0.46
		For Up To 50, Add	1.05		
		For >50 To 200, Add	0.60		
		For >200 To 500, Add	0.22		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.15		
		For >5,000, Deduct	-0.26		
		For Individual Room Quantities <495, Add	0.60		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		



Finishes			09	09
Ceilings			09 50	
Acoustical Ceilings			09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	.....	3.19	0.69
		For Up To 50, Add		1.08	
		For >50 To 200, Add		0.62	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.62	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	.....	3.20	0.69
		For Up To 50, Add		1.08	
		For >50 To 200, Add		0.62	
		For >200 To 500, Add		0.24	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.62	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	.....	3.48	0.69
		For Up To 50, Add		1.12	
		For >50 To 200, Add		0.65	
		For >200 To 500, Add		0.25	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.30	
		For Individual Room Quantities <495, Add		0.65	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	.....	2.95	0.46
		For Up To 50, Add		1.04	
		For >50 To 200, Add		0.60	
		For >200 To 500, Add		0.22	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.60	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	.....	2.94	0.69
		For Up To 50, Add		1.04	
		For >50 To 200, Add		0.59	
		For >200 To 500, Add		0.22	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.59	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	.....	3.38	0.46
		For Up To 50, Add		1.11	
		For >50 To 200, Add		0.64	
		For >200 To 500, Add		0.24	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.29	
		For Individual Room Quantities <495, Add		0.64	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	2.70	0.46
		For Up To 50, Add		1.01	
		For >50 To 200, Add		0.57	
		For >200 To 500, Add		0.21	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.14	
		For >5,000, Deduct		-0.24	
		For Individual Room Quantities <495, Add		0.57	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.68	0.46	
		For Up To 50, Add	1.00		
		For >50 To 200, Add	0.57		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.13		
		For >5,000, Deduct	-0.24		
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.97	0.46	
		For Up To 50, Add	1.05		
		For >50 To 200, Add	0.60		
		For >200 To 500, Add	0.22		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.15		
		For >5,000, Deduct	-0.26		
		For Individual Room Quantities <495, Add	0.60		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.72	0.46	
		For Up To 50, Add	1.01		
		For >50 To 200, Add	0.57		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.24		
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.71	0.46	
		For Up To 50, Add	1.01		
		For >50 To 200, Add	0.57		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.24		
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.12	0.46	
		For Up To 50, Add	1.07		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.23		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.27		
		For Individual Room Quantities <495, Add	0.61		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.12	0.46	
		For Up To 50, Add	1.07		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.23		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.27		
		For Individual Room Quantities <495, Add	0.61		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.28	0.46	
		For Up To 50, Add	1.09		
		For >50 To 200, Add	0.63		
		For >200 To 500, Add	0.24		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.28		
		For Individual Room Quantities <495, Add	0.63		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		



		Finishes	09	09
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.85	0.46
		For Up To 50, Add		1.18	
		For >50 To 200, Add		0.69	
		For >200 To 500, Add		0.27	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.19	
		For >5,000, Deduct		-0.33	
		For Individual Room Quantities <495, Add		0.69	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.19	0.46
		For Up To 50, Add		1.08	
		For >50 To 200, Add		0.62	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.62	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.87	0.46
		For Up To 50, Add		1.18	
		For >50 To 200, Add		0.69	
		For >200 To 500, Add		0.27	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.19	
		For >5,000, Deduct		-0.33	
		For Individual Room Quantities <495, Add		0.69	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0036	SF	30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.00	0.46
		For Up To 50, Add		1.05	
		For >50 To 200, Add		0.60	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.60	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	.....	3.28	0.69
		For Up To 50, Add		1.09	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.24	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	.....	3.22	0.69
		For Up To 50, Add		1.08	
		For >50 To 200, Add		0.62	
		For >200 To 500, Add		0.24	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.62	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	.....	3.62	0.69
		For Up To 50, Add		1.14	
		For >50 To 200, Add		0.66	
		For >200 To 500, Add		0.26	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.18	
		For >5,000, Deduct		-0.31	
		For Individual Room Quantities <495, Add		0.66	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.62	0.69	
		For Up To 50, Add	1.14		
		For >50 To 200, Add	0.66		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.66		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	8.62	0.81	
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.45	0.46	
		For Up To 50, Add	1.12		
		For >50 To 200, Add	0.65		
		For >200 To 500, Add	0.25		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.17		
		For >5,000, Deduct	-0.30		
		For Individual Room Quantities <495, Add	0.65		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.44	0.46	
		For Up To 50, Add	1.12		
		For >50 To 200, Add	0.64		
		For >200 To 500, Add	0.25		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.17		
		For >5,000, Deduct	-0.30		
		For Individual Room Quantities <495, Add	0.64		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.04	0.46	
		For Up To 50, Add	1.21		
		For >50 To 200, Add	0.70		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.10		
		For >4,000 To 5,000, Deduct	-0.20		
		For >5,000, Deduct	-0.34		
		For Individual Room Quantities <495, Add	0.70		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.69	0.46	
		For Up To 50, Add	1.15		
		For >50 To 200, Add	0.67		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.67		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.64	0.46	
		For Up To 50, Add	1.15		
		For >50 To 200, Add	0.66		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.66		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.64	0.46	
		For Up To 50, Add	1.15		
		For >50 To 200, Add	0.66		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.66		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		



		Finishes	09	09
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	.....	3.83	0.46
		For Up To 50, Add		1.17	
		For >50 To 200, Add		0.68	
		For >200 To 500, Add		0.27	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.19	
		For >5,000, Deduct		-0.32	
		For Individual Room Quantities <495, Add		0.68	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	.....	3.98	0.46
		For Up To 50, Add		1.20	
		For >50 To 200, Add		0.70	
		For >200 To 500, Add		0.27	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.20	
		For >5,000, Deduct		-0.34	
		For Individual Room Quantities <495, Add		0.70	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	.....	4.19	0.46
		For Up To 50, Add		1.23	
		For >50 To 200, Add		0.72	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.21	
		For >5,000, Deduct		-0.35	
		For Individual Room Quantities <495, Add		0.72	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	.....	4.16	0.46
		For Up To 50, Add		1.22	
		For >50 To 200, Add		0.72	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.21	
		For >5,000, Deduct		-0.35	
		For Individual Room Quantities <495, Add		0.72	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	.....	4.04	0.69
		For Up To 50, Add		1.21	
		For >50 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.20	
		For >5,000, Deduct		-0.34	
		For Individual Room Quantities <495, Add		0.70	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	.....	4.04	0.69
		For Up To 50, Add		1.21	
		For >50 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.10	
		For >4,000 To 5,000, Deduct		-0.20	
		For >5,000, Deduct		-0.34	
		For Individual Room Quantities <495, Add		0.70	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	.....	4.37	0.46
		For Up To 50, Add		1.26	
		For >50 To 200, Add		0.74	
		For >200 To 500, Add		0.29	
		For >2,500 To 4,000, Deduct		-0.11	
		For >4,000 To 5,000, Deduct		-0.22	
		For >5,000, Deduct		-0.37	
		For Individual Room Quantities <495, Add		0.74	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	.....	4.27	0.46
		For Up To 50, Add		1.24	
		For >50 To 200, Add		0.73	
		For >200 To 500, Add		0.29	
		For >2,500 To 4,000, Deduct		-0.11	
		For >4,000 To 5,000, Deduct		-0.21	
		For >5,000, Deduct		-0.36	
		For Individual Room Quantities <495, Add		0.73	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	.....	5.24	0.69
		For Up To 50, Add		1.39	
		For >50 To 200, Add		0.82	
		For >200 To 500, Add		0.34	
		For >2,500 To 4,000, Deduct		-0.13	
		For >4,000 To 5,000, Deduct		-0.26	
		For >5,000, Deduct		-0.43	
		For Individual Room Quantities <495, Add		0.82	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	.....	5.20	0.69
		For Up To 50, Add		1.38	
		For >50 To 200, Add		0.82	
		For >200 To 500, Add		0.34	
		For >2,500 To 4,000, Deduct		-0.13	
		For >4,000 To 5,000, Deduct		-0.26	
		For >5,000, Deduct		-0.43	
		For Individual Room Quantities <495, Add		0.82	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	.....	5.24	0.69
		For Up To 50, Add		1.39	
		For >50 To 200, Add		0.82	
		For >200 To 500, Add		0.34	
		For >2,500 To 4,000, Deduct		-0.13	
		For >4,000 To 5,000, Deduct		-0.26	
		For >5,000, Deduct		-0.43	
		For Individual Room Quantities <495, Add		0.82	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	.....	5.20	0.69
		For Up To 50, Add		1.38	
		For >50 To 200, Add		0.82	
		For >200 To 500, Add		0.34	
		For >2,500 To 4,000, Deduct		-0.13	
		For >4,000 To 5,000, Deduct		-0.26	
		For >5,000, Deduct		-0.43	
		For Individual Room Quantities <495, Add		0.82	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	.....	5.74	0.46
		For Up To 50, Add		1.46	
		For >50 To 200, Add		0.87	
		For >200 To 500, Add		0.36	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.87	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	.....	5.70	0.69
		For Up To 50, Add		1.46	
		For >50 To 200, Add		0.87	
		For >200 To 500, Add		0.36	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.87	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	



		Finishes	09	09
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0062	SF	2' x 4' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....	5.69	0.69
			For Up To 50, Add	1.45	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0063	SF	2' x 2' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.14	0.46
			For Up To 50, Add	1.52	
			For >50 To 200, Add	0.91	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.31	
			For >5,000, Deduct	-0.50	
			For Individual Room Quantities <495, Add	0.91	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0064	SF	2' x 4' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.14	0.46
			For Up To 50, Add	1.52	
			For >50 To 200, Add	0.91	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.31	
			For >5,000, Deduct	-0.50	
			For Individual Room Quantities <495, Add	0.91	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0065	SF	2' x 2' x 3/4"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.72	0.46
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0066	SF	2' x 4' x 3/4"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.72	0.46
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0067	SF	2' x 2' x 3/4"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.72	0.46
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0068	SF	2' x 4' x 3/4"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.72	0.46
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.14	0.57
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.72	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.14	0.57
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.72	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.14	0.57
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.72	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.14	0.57
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.72	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	6.44	0.46
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.40	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.52	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	6.45	0.46
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.95	
		For >200 To 500, Add		0.40	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.52	
		For Individual Room Quantities <495, Add		0.95	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	6.44	0.46
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.40	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.52	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.68	
		For Ceilings >10' High, Add		0.11	



Finishes			09	09
Ceilings			09 50	
Acoustical Ceilings			09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0076	SF		2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC) 7.31		0.46
			For Up To 50, Add	1.74	
			For >50 To 200, Add	1.05	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.37	
			For >5,000, Deduct	-0.59	
			For Individual Room Quantities <495, Add	1.05	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.72	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0077	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC) 7.21		0.46
			For Up To 50, Add	1.73	
			For >50 To 200, Add	1.04	
			For >200 To 500, Add	0.44	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.04	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.72	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0078	SF		2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC) 7.26		0.46
			For Up To 50, Add	1.73	
			For >50 To 200, Add	1.05	
			For >200 To 500, Add	0.44	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.05	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.72	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0079	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)..... 6.80		0.46
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.42	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.34	
			For >5,000, Deduct	-0.55	
			For Individual Room Quantities <495, Add	0.98	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0080	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)..... 6.68		0.46
			For Up To 50, Add	1.60	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.41	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.54	
			For Individual Room Quantities <495, Add	0.97	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.68	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0081	SF		2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)..... 7.39		0.57
			For Up To 50, Add	1.75	
			For >50 To 200, Add	1.06	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.37	
			For >5,000, Deduct	-0.59	
			For Individual Room Quantities <495, Add	1.06	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.72	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0082	SF		2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)..... 7.39		0.57
			For Up To 50, Add	1.75	
			For >50 To 200, Add	1.06	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.37	
			For >5,000, Deduct	-0.59	
			For Individual Room Quantities <495, Add	1.06	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.72	
			For Ceilings >10' High, Add	0.12	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.39	0.46	
		For Up To 50, Add	1.75		
		For >50 To 200, Add	1.06		
		For >200 To 500, Add	0.45		
		For >2,500 To 4,000, Deduct	-0.18		
		For >4,000 To 5,000, Deduct	-0.37		
		For >5,000, Deduct	-0.59		
		For Individual Room Quantities <495, Add	1.06		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.72		
		For Ceilings >10' High, Add	0.12		
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.39	0.57	
		For Up To 50, Add	1.75		
		For >50 To 200, Add	1.06		
		For >200 To 500, Add	0.45		
		For >2,500 To 4,000, Deduct	-0.18		
		For >4,000 To 5,000, Deduct	-0.37		
		For >5,000, Deduct	-0.59		
		For Individual Room Quantities <495, Add	1.06		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.72		
		For Ceilings >10' High, Add	0.12		
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	2.63	0.46	
		For Individual Room Quantities <495, Add	0.56		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	2.71	0.46	
		For Individual Room Quantities <495, Add	0.57		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	4.07	0.46	
		For Individual Room Quantities <495, Add	0.71		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
09 51 13 00-0088		Wood Fiber Panels (09 51 13)			
09 51 13 00-0089	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.30	0.69	
		For Up To 50, Add	2.07		
		For >50 To 200, Add	1.24		
		For >200 To 500, Add	0.52		
		For >2,500 To 4,000, Deduct	-0.21		
		For >4,000 To 5,000, Deduct	-0.42		
		For >5,000, Deduct	-0.67		
		For Individual Room Quantities <495, Add	1.24		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Owner Furnished Material, Deduct	-6.25		
		For Ceilings >10' High, Add	0.15		
09 51 13 00-0090	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.09	0.69	
		For Up To 50, Add	1.95		
		For >50 To 200, Add	1.18		
		For >200 To 500, Add	0.50		
		For >2,500 To 4,000, Deduct	-0.20		
		For >4,000 To 5,000, Deduct	-0.40		
		For >5,000, Deduct	-0.65		
		For Individual Room Quantities <495, Add	1.18		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Owner Furnished Material, Deduct	-6.25		
		For Ceilings >10' High, Add	0.14		
09 51 13 00-0091	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.09	0.69	
		For Up To 50, Add	2.48		
		For >50 To 200, Add	1.52		
		For >200 To 500, Add	0.66		
		For >2,500 To 4,000, Deduct	-0.28		
		For >4,000 To 5,000, Deduct	-0.55		
		For >5,000, Deduct	-0.88		
		For Individual Room Quantities <495, Add	1.52		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Owner Furnished Material, Deduct	-9.04		
		For Ceilings >10' High, Add	0.15		
09 51 13 00-0092	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	10.88	0.69	
		For Up To 50, Add	2.37		
		For >50 To 200, Add	1.46		
		For >200 To 500, Add	0.64		
		For >2,500 To 4,000, Deduct	-0.27		
		For >4,000 To 5,000, Deduct	-0.54		
		For >5,000, Deduct	-0.86		
		For Individual Room Quantities <495, Add	1.46		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Owner Furnished Material, Deduct	-9.04		
		For Ceilings >10' High, Add	0.14		



		Finishes	09	
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0093	SF	2' x 2' x 3/4"	Wood Fiber Acoustical Ceiling Panels..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	13.79 2.89 1.79 0.79 -0.34 -0.69 -1.09 1.79 -11.74 0.15	0.69
09 51 13 00-0094	SF	2' x 4' x 3/4"	Wood Fiber Acoustical Ceiling Panels..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	13.58 2.77 1.73 0.77 -0.34 -0.68 -1.06 1.73 -11.74 0.14	0.69
09 51 13 00-0095	SF	2' x 2' x 1"	Wood Fiber Acoustical Ceiling Panels..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	9.94 2.31 1.40 0.60 -0.25 -0.50 -0.80 1.40 -7.89 0.15	0.69
09 51 13 00-0096	SF	2' x 4' x 1"	Wood Fiber Acoustical Ceiling Panels..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Individual Room Quantities <495, Add Note: For use with projects >500 SF. Other quantity discounts would apply. For Owner Furnished Material, Deduct For Ceilings >10' High, Add	9.73 2.20 1.34 0.58 -0.24 -0.49 -0.78 1.34 -7.89 0.14	0.69
09 51 13 00-0097			Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13) Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0098	SF		Removal And Reinstallation Of Acoustical Panels Only For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Ceilings >10' High, Add	2.35 1.29 0.71 0.24 -0.06 -0.12 -0.24 0.18	
09 51 23			Acoustical Tile Ceilings (09 51) Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002	SF	12" x 12" x 1/2"	Tongue And Groove Mineral Fiber Acoustical Ceiling Tile For Furring 1 x 3 Strips 12" On Center, Add For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add	6.84 0.50 2.18 1.26 0.49 -0.34 0.22	1.27
09 51 23 00-0003	SF	12" x 12" x 5/8"	Spline Mineral Fiber Acoustical Ceiling Tile..... For Furring 1 x 3 Strips 12" On Center, Add For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Placing Tiles In Suspended Ceiling System, Deduct For Ceilings >10' High, Add	7.56 0.50 2.29 1.33 0.52 -0.38 -0.55 0.22	1.27
09 51 23 00-0004	SF	12" x 12" x 3/4"	Spline Mineral Fiber Acoustical Ceiling Tile..... For Furring 1 x 3 Strips 12" On Center, Add For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Placing Tiles In Suspended Ceiling System, Deduct For Ceilings >10' High, Add	8.58 0.50 2.44 1.43 0.57 -0.43 -0.55 0.22	1.27

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0005	Wood Fiber Acoustical Tile Ceilings (09 51 23)				
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	5.75	1.27	
		For Furring 1 x 3 Strips 12" On Center, Add	0.50		
		For Up To 50, Add	2.01		
		For >50 To 200, Add	1.15		
		For >200 To 500, Add	0.43		
		For >2,500, Deduct	-0.29		
		For Ceilings >10' High, Add	0.22		
09 51 33	Acoustical Metal Pan Ceilings (09 51)				
09 51 33 13	Acoustical Snap-in Metal Pan Ceilings (09 51 33)				
09 51 33 13-0001	Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)				
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.39	1.01	
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	26.13	1.01	
09 51 33 13-0004	Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)				
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.04	1.15	
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.91	1.15	
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	60.89	1.15	
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.35	1.15	
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.07	1.15	
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.10	1.15	
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	60.43	1.15	
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.12	1.15	
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.70	1.15	
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.63	1.15	
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	67.21	1.15	
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.29	1.15	
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.20	1.15	
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.43	1.15	
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	69.51	1.15	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.09	1.15	
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.29	1.15	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.77	1.15	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	65.72	1.15	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.48	1.15	
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.01	1.15	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.23	1.15	
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.13	1.15	
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.52	1.15	
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.56	1.15	
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.21	1.15	
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.08	1.15	
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.83	1.15	
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.71	1.15	
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.98	1.15	
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.19	1.15	



		Finishes	09	09
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.83	1.15
09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)					
09 51 33 23-0001			Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)		
09 51 33 23-0002			Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™).....	18.95	0.87
			For Up To 50, Add	3.53	
			For >50 To 200, Add	2.24	
			For >200 To 500, Add	1.03	
			For >2,500 To 4,000, Deduct	-0.47	
			For >4,000 To 5,000, Deduct	-0.95	
			For >5,000, Deduct	-1.46	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™).....	21.54	0.87
			For Up To 50, Add	3.92	
			For >50 To 200, Add	2.50	
			For >200 To 500, Add	1.16	
			For >2,500 To 4,000, Deduct	-0.54	
			For >4,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.66	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™)	31.88	0.87
			For Up To 50, Add	5.47	
			For >50 To 200, Add	3.53	
			For >200 To 500, Add	1.68	
			For >2,500 To 4,000, Deduct	-0.80	
			For >4,000 To 5,000, Deduct	-1.59	
			For >5,000, Deduct	-2.43	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™)	26.99	0.87
			For Up To 50, Add	4.74	
			For >50 To 200, Add	3.04	
			For >200 To 500, Add	1.44	
			For >2,500 To 4,000, Deduct	-0.67	
			For >4,000 To 5,000, Deduct	-1.35	
			For >5,000, Deduct	-2.07	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™)	29.01	0.87
			For Up To 50, Add	5.04	
			For >50 To 200, Add	3.25	
			For >200 To 500, Add	1.54	
			For >2,500 To 4,000, Deduct	-0.73	
			For >4,000 To 5,000, Deduct	-1.45	
			For >5,000, Deduct	-2.22	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™).....	45.95	0.87
			For Up To 50, Add	7.58	
			For >50 To 200, Add	4.94	
			For >200 To 500, Add	2.38	
			For >2,500 To 4,000, Deduct	-1.15	
			For >4,000 To 5,000, Deduct	-2.30	
			For >5,000, Deduct	-3.49	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™).....	28.56	0.87
			For Up To 50, Add	4.97	
			For >50 To 200, Add	3.20	
			For >200 To 500, Add	1.51	
			For >2,500 To 4,000, Deduct	-0.71	
			For >4,000 To 5,000, Deduct	-1.43	
			For >5,000, Deduct	-2.19	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™)	35.54	0.87
			For Up To 50, Add	6.02	
			For >50 To 200, Add	3.90	
			For >200 To 500, Add	1.86	
			For >2,500 To 4,000, Deduct	-0.89	
			For >4,000 To 5,000, Deduct	-1.78	
			For >5,000, Deduct	-2.71	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG PanZ™).....	28.72	0.87
			For Up To 50, Add	5.00	
			For >50 To 200, Add	3.22	
			For >200 To 500, Add	1.52	
			For >2,500 To 4,000, Deduct	-0.72	
			For >4,000 To 5,000, Deduct	-1.44	
			For >5,000, Deduct	-2.20	
			For Ceilings >10' High, Add	0.13	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.75	0.87
			For Up To 50, Add	6.05	
			For >50 To 200, Add	3.92	
			For >200 To 500, Add	1.87	
			For >2,500 To 4,000, Deduct	-0.89	
			For >4,000 To 5,000, Deduct	-1.79	
			For >5,000, Deduct	-2.72	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.86	0.87
			For Up To 50, Add	5.02	
			For >50 To 200, Add	3.23	
			For >200 To 500, Add	1.53	
			For >2,500 To 4,000, Deduct	-0.72	
			For >4,000 To 5,000, Deduct	-1.44	
			For >5,000, Deduct	-2.21	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.61	0.87
			For Up To 50, Add	6.03	
			For >50 To 200, Add	3.91	
			For >200 To 500, Add	1.87	
			For >2,500 To 4,000, Deduct	-0.89	
			For >4,000 To 5,000, Deduct	-1.78	
			For >5,000, Deduct	-2.71	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.86	0.87
			For Up To 50, Add	5.02	
			For >50 To 200, Add	3.23	
			For >200 To 500, Add	1.53	
			For >2,500 To 4,000, Deduct	-0.72	
			For >4,000 To 5,000, Deduct	-1.44	
			For >5,000, Deduct	-2.21	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.90	0.87
			For Up To 50, Add	6.07	
			For >50 To 200, Add	3.93	
			For >200 To 500, Add	1.88	
			For >2,500 To 4,000, Deduct	-0.90	
			For >4,000 To 5,000, Deduct	-1.80	
			For >5,000, Deduct	-2.74	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0017			Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	24.61	0.87
			For Up To 50, Add	4.38	
			For >50 To 200, Add	2.81	
			For >200 To 500, Add	1.32	
			For >2,500 To 4,000, Deduct	-0.62	
			For >4,000 To 5,000, Deduct	-1.23	
			For >5,000, Deduct	-1.89	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.43	0.87
			For Up To 50, Add	5.10	
			For >50 To 200, Add	3.29	
			For >200 To 500, Add	1.56	
			For >2,500 To 4,000, Deduct	-0.74	
			For >4,000 To 5,000, Deduct	-1.47	
			For >5,000, Deduct	-2.25	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.61	0.87
			For Up To 50, Add	5.43	
			For >50 To 200, Add	3.51	
			For >200 To 500, Add	1.67	
			For >2,500 To 4,000, Deduct	-0.79	
			For >4,000 To 5,000, Deduct	-1.58	
			For >5,000, Deduct	-2.41	
			For Ceilings >10' High, Add	0.13	
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.66	0.87
			For Up To 50, Add	5.14	
			For >50 To 200, Add	3.31	
			For >200 To 500, Add	1.57	
			For >2,500 To 4,000, Deduct	-0.74	
			For >4,000 To 5,000, Deduct	-1.48	
			For >5,000, Deduct	-2.27	
			For Ceilings >10' High, Add	0.13	



Finishes		09	9
Ceilings		09 50	
Acoustical Ceilings		09 51	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	30.46	0.87
		For Up To 50, Add	5.26	
		For >50 To 200, Add	3.39	
		For >200 To 500, Add	1.61	
		For >2,500 To 4,000, Deduct	-0.76	
		For >4,000 To 5,000, Deduct	-1.52	
		For >5,000, Deduct	-2.33	
		For Ceilings >10' High, Add	0.13	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	32.30	0.87
		For Up To 50, Add	5.53	
		For >50 To 200, Add	3.57	
		For >200 To 500, Add	1.70	
		For >2,500 To 4,000, Deduct	-0.81	
		For >4,000 To 5,000, Deduct	-1.62	
		For >5,000, Deduct	-2.47	
		For Ceilings >10' High, Add	0.13	
09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)				
09 51 33 33-0001		Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)		
09 51 33 33-0002		Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)		
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.83	0.87
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.12	0.87
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.63	0.87
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.35	0.87
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.11	0.87
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.27	0.87
09 53 Acoustical Ceiling Suspension Assemblies (09 50)				
09 53 13 Curved Profile Ceiling Suspension (09 53)				
09 53 13 00-0001		Perimeter Trim (09 53 13)		
09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim.....	25.02	
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim.....	30.51	
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim.....	34.17	
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim.....	46.13	
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim.....	59.31	
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim.....	67.00	
09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)				
09 53 23 00-0001		Ceiling Suspension Systems (09 53 23)		
		Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	4.82	0.57
		Note: Excludes ceiling tile.		
		For Fastening To Concrete, Add	1.45	
		For Fastening To Steel, Add	1.55	
		For Vertical Application, Add	2.19	
		For Individual Room Quantities <495, Add	0.49	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	1.72	
		For >50 To 200, Add	0.98	
		For >200 To 500, Add	0.37	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.28	
		For Ceilings >10' High, Add	0.19	

09 Finishes**09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.87	0.57	
		For UL Listed (Fire Guard), Add	0.27		
		For 1-1/2" Wide Faced Grid, Add	0.50		
		For Fastening To Concrete, Add	1.41		
		For Fastening To Steel, Add	1.51		
		For Vertical Application, Add	1.83		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.40		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Aluminum T-Bar System, Add	0.80		
		For Up To 50, Add	1.42		
		For >50 To 200, Add	0.81		
		For >200 To 500, Add	0.30		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.23		
		For Ceilings >10' High, Add	0.16		
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.22	0.57	
		For UL Listed (Fire Guard), Add	0.20		
		For 1-1/2" Wide Faced Grid, Add	0.36		
		For Fastening To Concrete, Add	1.39		
		For Fastening To Steel, Add	1.49		
		For Vertical Application, Add	1.68		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.35		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Aluminum T-Bar System, Add	0.59		
		For Up To 50, Add	1.25		
		For >50 To 200, Add	0.71		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.20		
		For Black Grid, Add	0.16		
		For Ceilings >10' High, Add	0.14		
		For Concealed Spline Grid, Add	0.52		
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.66	0.57	
		For UL Listed (Fire Guard), Add	0.16		
		For 1-1/2" Wide Faced Grid, Add	0.29		
		For Fastening To Concrete, Add	1.36		
		For Fastening To Steel, Add	1.46		
		For Vertical Application, Add	1.61		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.29		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Aluminum T-Bar System, Add	0.47		
		For Up To 50, Add	1.04		
		For >50 To 200, Add	0.59		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.16		
		For Black Grid, Add	0.13		
		For Ceilings >10' High, Add	0.12		
		For Concealed Spline Grid, Add	0.42		
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.34	0.57	
		For UL Listed (Fire Guard), Add	0.14		
		For 1-1/2" Wide Faced Grid, Add	0.27		
		For Fastening To Concrete, Add	1.34		
		For Fastening To Steel, Add	1.44		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.26		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Aluminum T-Bar System, Add	0.43		
		For Up To 50, Add	0.90		
		For >50 To 200, Add	0.51		
		For >200 To 500, Add	0.19		
		For >2,500 To 4,000, Deduct	-0.05		
		For >4,000 To 5,000, Deduct	-0.10		
		For >5,000, Deduct	-0.14		
		For Ceilings >10' High, Add	0.10		
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.49	0.57	
		For UL Listed (Fire Guard), Add	0.24		
		For Fastening To Concrete, Add	1.39		
		For Fastening To Steel, Add	1.49		
		For Vertical Application, Add	1.68		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.37		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Up To 50, Add	1.29		
		For >50 To 200, Add	0.73		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.21		
		For Black Grid, Add	0.20		
		For Ceilings >10' High, Add	0.14		



Finishes			09
Ceilings			09 50
Acoustical Ceiling Suspension Assemblies			09 53

28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	2.87	0.57	
		For UL Listed (Fire Guard), Add	0.19		
		For Fastening To Concrete, Add	1.36		
		For Fastening To Steel, Add	1.46		
		For Vertical Application, Add	1.61		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.30		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Up To 50, Add	1.07		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.22		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.12		
		For >5,000, Deduct	-0.17		
		For Black Grid, Add	0.16		
		For Ceilings >10' High, Add	0.12		
09 53 23 00-0009		Ceiling Suspension System Accessories (09 53 23)			
09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.49		
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.44	1.61	
		For 304 Stainless Steel, Add	2.91		
		For 316 Stainless Steel, Add	3.26		
		For Aluminum, Add	0.18		
		For Galvanized Steel, Add	0.63		
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	4.91	1.72	
		For 304 Stainless Steel, Add	4.42		
		For 316 Stainless Steel, Add	4.96		
		For Aluminum, Add	0.28		
		For Galvanized Steel, Add	0.96		
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	6.89	1.84	
		For 304 Stainless Steel, Add	8.84		
		For 316 Stainless Steel, Add	9.92		
		For Aluminum, Add	0.56		
		For Galvanized Steel, Add	1.92		
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	0.87		
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.05		
09 53 23 00-0016	EA	2", Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	7.36	0.33	
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.			
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum	32.83	9.62	
		Note: Includes vertical centerl strut and four 12 gauge diagonal wires.			
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	94.33	23.39	
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	97.97	23.84	
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	111.17	23.84	
09 53 23 00-0021		Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)			
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.			
09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly	3.18		
		Note: Suspension system tie wire, wall angles and bracing to remain in place.			
		For Up To 50, Add	1.75		
		For >50 To 200, Add	0.95		
		For >200 To 500, Add	0.32		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.24		
		For Ceilings >10' High, Add	0.24		
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly	1.38		
		Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.			
		For Up To 50, Add	0.76		
		For >50 To 200, Add	0.41		
		For >200 To 500, Add	0.14		
		For >2,500 To 4,000, Deduct	-0.03		
		For >4,000 To 5,000, Deduct	-0.07		
		For >5,000, Deduct	-0.10		
		For Ceilings >10' High, Add	0.10		
09 53 23 00-0024		Existing Ceiling Suspension System Accessories (09 53 23)			
09 53 23 00-0025	EA	Ceiling Hold Down Clip (Armstrong FZUHDCA)	3.75	0.92	
		Note: For existing ceilings			
		For Up To 40, Add	1.48		
		For >40 To 150, Add	0.74		
		For >400, Deduct	-0.35		

09 54 Specialty Ceilings (09 50)

09 54 16 Luminous Ceilings (09 54)

09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 16 00-0002	SF		2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel.....	3.38	0.57
			For Ceilings >10' High, Add	0.10	
			For >100 To 200, Deduct	-0.14	
			For >200 To 300, Deduct	-0.38	
			For >300, Deduct	-0.65	
09 54 23			Linear Metal Ceilings (09 54)		
09 54 23 00-0001			Linear Ceiling Systems (09 54 23)		
09 54 23 00-0002			0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)		
			Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System	23.70	2.45
			For Up To 50, Add	5.90	
			For >50 To 200, Add	3.54	
			For >200 To 500, Add	1.48	
			For >2,500, Deduct	-1.19	
			For Ceilings >10' High, Add	0.44	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-4.43	
			For Curved Ceilings, Add	1.39	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.00	2.45
			For Up To 50, Add	5.15	
			For >50 To 200, Add	3.05	
			For >200 To 500, Add	1.24	
			For >2,500, Deduct	-0.95	
			For Ceilings >10' High, Add	0.43	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-2.20	
			For Curved Ceilings, Add	1.37	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.19	2.45
			For Up To 50, Add	4.83	
			For >50 To 200, Add	2.84	
			For >200 To 500, Add	1.14	
			For >2,500, Deduct	-0.86	
			For Ceilings >10' High, Add	0.42	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-1.46	
			For Curved Ceilings, Add	1.35	
09 54 23 00-0006			Tin Ceilings (09 54 23)		
09 54 23 00-0007	SF		2' x 2' Tin Ceiling Embossed Panels	22.23	3.79
			For Up To 50, Add	5.16	
			For >50 To 200, Add	3.14	
			For >200 To 500, Add	1.34	
			For >2,500, Deduct	-1.11	
			For Ceilings >10' High, Add	0.34	
09 54 23 00-0008	SF		12" x 12" Tin Ceiling Embossed Plates	32.97	2.45
			For Up To 50, Add	6.87	
			For >50 To 200, Add	4.26	
			For >200 To 500, Add	1.89	
			For >2,500, Deduct	-1.65	
			For Ceilings >10' High, Add	0.36	
09 54 23 00-0009	SF		12" x 24" Tin Ceiling Embossed Plates	24.01	2.45
			For Up To 50, Add	5.53	
			For >50 To 200, Add	3.37	
			For >200 To 500, Add	1.44	
			For >2,500, Deduct	-1.20	
			For Ceilings >10' High, Add	0.36	
09 54 23 00-0010	SF		24" x 24" Tin Ceiling Embossed Plates	22.05	2.45
			For Up To 50, Add	5.08	
			For >50 To 200, Add	3.09	
			For >200 To 500, Add	1.32	
			For >2,500, Deduct	-1.10	
			For Ceilings >10' High, Add	0.33	
09 54 23 00-0011	SF		24" x 48" Tin Ceiling Embossed Plates	19.24	1.83
			For Up To 50, Add	4.44	
			For >50 To 200, Add	2.70	
			For >200 To 500, Add	1.16	
			For >2,500, Deduct	-0.96	
			For Ceilings >10' High, Add	0.29	
09 54 23 00-0012	LF		3" Or 4" Wide Embossed Molding	14.91	3.67
			For Ceilings >10' High, Add	0.53	
09 54 23 00-0013	LF		6" Wide Embossed Molding	18.70	4.28
			For Ceilings >10' High, Add	0.60	
09 54 23 00-0014	LF		12" Wide Embossed Molding	25.11	5.01
			For Ceilings >10' High, Add	0.75	
09 54 23 00-0015	EA		3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	43.13	11.60
			For Ceilings >10' High, Add	1.70	
09 54 23 00-0016	EA		12" Wide Embossed Cross, Tee Or Ell	59.97	13.57
			For Ceilings >10' High, Add	2.04	

09 57 Special Function Ceilings (09 50)**09 57 63 High Impact Ceilings (09 57)**



		Finishes	09	09
		Ceilings	09 50	
		Special Function Ceilings	09 57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 57 63 00-0001	High Impact Ceilings ^(09 57 63)		
09 57 63 00-0002	SF Polyvinyl Chloride Face High Impact Ceiling Panels <i>For Ceilings >10' High, Add</i>	8.13 0.14	1.15
09 57 63 00-0003	EA High Impact Clips..... <i>For Ceilings >10' High, Add</i>	4.51 0.22	0.92

09 60 Flooring⁽⁰⁹⁾

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment^(09 60)

09 61 13 Slip-Resistant Flooring Treatment^(09 61)

09 61 13 00-0001	Anti-Slip Tape ^(09 61 13)		
Note: Grit sandpaper surface with adhesive back.			
09 61 13 00-0002	LF 1" Anti-Slip Tape.....	3.12	2.30
09 61 13 00-0003	LF 2" Anti-Slip Tape.....	3.99	2.54
09 61 13 00-0004	LF 3" Anti-Slip Tape.....	4.83	2.79
09 61 13 00-0005	LF 4" Anti-Slip Tape.....	5.62	3.06
09 61 13 00-0006	LF 6" Anti-Slip Tape.....	7.23	3.37
09 61 13 00-0007	LF 12" Anti-Slip Tape.....	12.73	5.05
09 61 13 00-0008	LF 24" Anti-Slip Tape.....	17.97	7.58

09 63 Masonry Flooring^(09 60)

09 63 13 Brick Flooring^(09 63)

09 63 13 00-0001	Clay Bricks ^(09 63 13)		
09 63 13 00-0002	SF 2-1/4" Thick Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	27.28 2.17 2.89 5.33	10.15
09 63 13 00-0003	SF 3" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	30.47 2.17 2.89 5.33	10.15
09 63 13 00-0004	SF 1/2" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	18.31 2.17 2.89 5.33	10.15
09 63 13 00-0005	SF 1/2" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	21.20 2.17 2.89 5.33	10.15
09 63 13 00-0006	SF 3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	19.61 2.17 2.89 5.33	10.15
09 63 13 00-0007	SF 3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	23.44 2.17 2.89 5.33	10.15
09 63 13 00-0008	SF 15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	20.85 2.17 2.89 5.33	10.15
09 63 13 00-0009	SF 15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	25.71 2.17 2.89 5.33	10.15

09 63 43 Composition Stone Flooring^(09 63)

09 63 43 00-0001	Cupric Oxychloride Cement, Seamless Flooring System ^(09 63 43)		
Note: Chemical and slip resistant. OSHA and USDA approved.			
09 63 43 00-0002	SF 3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	19.70	5.99

09 64 Wood Flooring^(09 60)

09 64 13 Wood Flooring Underlayment^(09 64)

09 64 13 00-0001	Wood Flooring Underlayment ^(09 64 13)		
09 64 13 00-0002	SF 1/8" Thick Laminate And Wood Floor Underlayment (Roberts Harmony Premium 3-in-1)	1.87	
09 64 13 00-0003	SF 2mm Thick, Foam Underlayment For Laminate Flooring (SimpleSolutions Soundbloc)	0.93	
09 64 13 00-0004	SF Underlayment For Wood And Laminate Flooring (Halex VersaShield VS-60)	2.26	
09 64 13 00-0005	SF Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.54	
09 64 13 00-0006	SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.56	
09 64 13 00-0007	SF 30 Lb., Waxed Paper, Wood Flooring Underlayment.....	0.59	
09 64 13 00-0008	SF 15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.66	

09 Finishes**09 60 Flooring****09 64 Wood Flooring**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0009	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.59	
09 64 13 00-0010	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.65	
09 64 13 00-0011	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.55	0.37
09 64 13 00-0012	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.67	0.37
09 64 13 00-0013	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.96	
09 64 13 00-0014	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.19	
09 64 13 00-0015	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.28	
09 64 13 00-0016	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.56	
09 64 13 00-0017	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.58	0.25
09 64 23 Wood Parquet Flooring (09 64)				
Note: All wood parquet flooring is prefinished at factory.				
09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)				
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	13.52	1.15
		For Up To 20, Add	5.27	
		For >20 To 50, Add	2.79	
		For >50 To 100, Add	1.40	
		For >100 To 300, Add	0.70	
09 64 29 Wood Strip and Plank Flooring (09 64)				
Note: All wood strip flooring is unfinished, tongue and groove.				
09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)				
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	14.65	1.15
		For Factory Finish, Add	0.95	
		For Random Width Floor, Add	3.40	
		For Up To 20, Add	4.52	
		For >20 To 50, Add	2.50	
		For >50 To 100, Add	1.25	
		For >100 To 300, Add	0.62	
09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)				
09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)				
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.71	1.15
		For Factory Finish, Add	0.50	
		For Random Width Floor, Add	2.59	
		For Up To 20, Add	4.80	
		For >20 To 50, Add	2.52	
		For >50 To 100, Add	1.26	
		For >100 To 300, Add	0.63	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.35	1.15
		For Factory Finish, Add	0.56	
		For Random Width Floor, Add	2.75	
		For Up To 20, Add	4.89	
		For >20 To 50, Add	2.59	
		For >50 To 100, Add	1.29	
		For >100 To 300, Add	0.65	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	13.32	1.15
		For Factory Finish, Add	0.66	
		For Random Width Floor, Add	2.99	
		For Up To 20, Add	5.04	
		For >20 To 50, Add	2.68	
		For >50 To 100, Add	1.34	
		For >100 To 300, Add	0.67	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.33	1.15
		For Factory Finish, Add	0.52	
		For Random Width Floor, Add	2.32	
		For Up To 20, Add	3.88	
		For >20 To 50, Add	2.07	
		For >50 To 100, Add	1.03	
		For >100 To 300, Add	0.52	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	10.85	1.15
		For Factory Finish, Add	0.57	
		For Random Width Floor, Add	2.45	
		For Up To 20, Add	3.95	
		For >20 To 50, Add	2.12	
		For >50 To 100, Add	1.06	
		For >100 To 300, Add	0.53	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	11.84	1.15
		For Factory Finish, Add	0.67	
		For Random Width Floor, Add	2.70	
		For Up To 20, Add	4.10	
		For >20 To 50, Add	2.22	
		For >50 To 100, Add	1.11	
		For >100 To 300, Add	0.55	
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)				



		Finishes	09	2
		Flooring	09 60	
		Wood Flooring	09 64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.82	1.15
			For Factory Finish, Add	0.51	
			For Random Width Floor, Add	2.62	
			For Up To 20, Add	4.82	
			For >20 To 50, Add	2.53	
			For >50 To 100, Add	1.27	
			For >100 To 300, Add	0.63	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	12.46	1.15
			For Factory Finish, Add	0.57	
			For Random Width Floor, Add	2.78	
			For Up To 20, Add	4.91	
			For >20 To 50, Add	2.60	
			For >50 To 100, Add	1.30	
			For >100 To 300, Add	0.65	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.43	1.15
			For Factory Finish, Add	0.67	
			For Random Width Floor, Add	3.02	
			For Up To 20, Add	5.06	
			For >20 To 50, Add	2.70	
			For >50 To 100, Add	1.35	
			For >100 To 300, Add	0.67	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	10.44	1.15
			For Factory Finish, Add	0.53	
			For Random Width Floor, Add	2.35	
			For Up To 20, Add	3.89	
			For >20 To 50, Add	2.08	
			For >50 To 100, Add	1.04	
			For >100 To 300, Add	0.52	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.09	1.15
			For Factory Finish, Add	0.59	
			For Random Width Floor, Add	2.51	
			For Up To 20, Add	3.99	
			For >20 To 50, Add	2.14	
			For >50 To 100, Add	1.07	
			For >100 To 300, Add	0.54	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	11.95	1.15
			For Factory Finish, Add	0.68	
			For Random Width Floor, Add	2.73	
			For Up To 20, Add	4.12	
			For >20 To 50, Add	2.23	
			For >50 To 100, Add	1.11	
			For >100 To 300, Add	0.56	
09 64 29 00-0018			Unfinished Maple, Wood Strip Flooring (09 64 29)		
09 64 29 00-0019			25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	14.18	1.15
			For Factory Finish, Add	0.74	
			For Random Width Floor, Add	3.21	
			For Up To 20, Add	5.17	
			For >20 To 50, Add	2.77	
			For >50 To 100, Add	1.39	
			For >100 To 300, Add	0.69	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.11	1.15
			For Factory Finish, Add	0.64	
			For Random Width Floor, Add	2.94	
			For Up To 20, Add	5.01	
			For >20 To 50, Add	2.66	
			For >50 To 100, Add	1.33	
			For >100 To 300, Add	0.67	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.02	1.15
			For Factory Finish, Add	0.79	
			For Random Width Floor, Add	3.00	
			For Up To 20, Add	4.28	
			For >20 To 50, Add	2.34	
			For >50 To 100, Add	1.17	
			For >100 To 300, Add	0.58	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.95	1.15
			For Factory Finish, Add	0.68	
			For Random Width Floor, Add	2.73	
			For Up To 20, Add	4.12	
			For >20 To 50, Add	2.23	
			For >50 To 100, Add	1.11	
			For >100 To 300, Add	0.56	
09 64 29 00-0024			33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		

09 Finishes**09 60 Flooring****09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	16.50	1.15
			For Factory Finish, Add	0.97	
			For Random Width Floor, Add	3.79	
			For Up To 20, Add	5.52	
			For >20 To 50, Add	3.00	
			For >50 To 100, Add	1.50	
			For >100 To 300, Add	0.75	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	15.06	1.15
			For Factory Finish, Add	0.83	
			For Random Width Floor, Add	3.43	
			For Up To 20, Add	5.30	
			For >20 To 50, Add	2.86	
			For >50 To 100, Add	1.43	
			For >100 To 300, Add	0.71	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	15.49	1.15
			For Factory Finish, Add	1.03	
			For Random Width Floor, Add	3.61	
			For Up To 20, Add	4.65	
			For >20 To 50, Add	2.58	
			For >50 To 100, Add	1.29	
			For >100 To 300, Add	0.65	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	14.05	1.15
			For Factory Finish, Add	0.89	
			For Random Width Floor, Add	3.25	
			For Up To 20, Add	4.43	
			For >20 To 50, Add	2.44	
			For >50 To 100, Add	1.22	
			For >100 To 300, Add	0.61	
09 64 29 00-0029			Prefinished Engineered Wood Flooring (09 64 29) Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	15.77	1.15
			For Up To 20, Add	4.40	
			For >20 To 50, Add	2.48	
			For >50 To 100, Add	1.24	
			For >100 To 300, Add	0.62	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	15.77	1.15
			For Up To 20, Add	4.40	
			For >20 To 50, Add	2.48	
			For >50 To 100, Add	1.24	
			For >100 To 300, Add	0.62	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	15.77	1.15
			For Up To 20, Add	4.40	
			For >20 To 50, Add	2.48	
			For >50 To 100, Add	1.24	
			For >100 To 300, Add	0.62	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.16	1.15
			For Up To 20, Add	4.45	
			For >20 To 50, Add	2.52	
			For >50 To 100, Add	1.26	
			For >100 To 300, Add	0.63	
09 64 29 00-0034	SF		0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Vinyard Oak).....	27.44	1.15
			For Up To 20, Add	6.15	
			For >20 To 50, Add	3.65	
			For >50 To 100, Add	1.82	
			For >100 To 300, Add	0.91	
09 64 29 00-0035	SF		0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Canyon Oak)	31.60	1.15
			For Up To 20, Add	6.77	
			For >20 To 50, Add	4.06	
			For >50 To 100, Add	2.03	
			For >100 To 300, Add	1.02	
09 64 29 00-0036	SF		0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Natural)	36.98	1.15
			For Up To 20, Add	7.58	
			For >20 To 50, Add	4.60	
			For >50 To 100, Add	2.30	
			For >100 To 300, Add	1.15	
09 64 29 00-0037	SF		0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Tigerwood)	42.95	1.15
			For Up To 20, Add	8.47	
			For >20 To 50, Add	5.20	
			For >50 To 100, Add	2.60	
			For >100 To 300, Add	1.30	
09 64 66			Wood Athletic Flooring (09 64) Note: 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001			Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66) Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor	13.51	5.76
			For Oak Or Birch, Deduct	-0.20	
			For Pine, Deduct	-0.30	
			For #1 Grade Material, Add	0.50	



		Finishes	09	2
		Flooring	09 60	
		Wood Flooring	09 64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0003	SF		33/32" Maple Wood Gym/Stage/Dance Floor <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	15.59 -0.20 -0.30 0.50	5.98
09 64 66 00-0004			Wood Gym/Stage/Dance Floor Systems (09 64 66) Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	17.77 -0.20 -0.30 0.50	7.48
09 64 66 00-0006	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	18.52 -0.20 -0.30 0.50	7.48
09 64 66 00-0007	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	19.92 -0.20 -0.30 0.50	7.48
09 64 66 00-0008	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	19.24 -0.20 -0.30 0.50	7.48
09 64 66 00-0009	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	22.37 -0.20 -0.30 0.50	7.48

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002	LF		2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	4.51 1.64 0.93 0.35 -0.33 -0.50	1.21
09 65 13 13-0003	LF		3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	4.93 1.70 0.98 0.37 -0.37 -0.56	1.21
09 65 13 13-0004	LF		4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	5.30 1.76 1.01 0.39 -0.41 -0.61	1.21
09 65 13 13-0005	LF		4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	5.67 1.81 1.05 0.40 -0.45 -0.67	1.21
09 65 13 13-0006	LF		6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	7.01 2.02 1.18 0.47 -0.58 -0.87	1.21

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0008	LF		2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.02	1.21
			For Up To 20, Add	1.72	
			For >20 To 40, Add	0.98	
			For >40 To 80, Add	0.37	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65 13 13-0009	LF		3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.54	1.21
			For Up To 20, Add	1.80	
			For >20 To 40, Add	1.04	
			For >40 To 80, Add	0.40	
			For >240 To 960, Deduct	-0.43	
			For >960, Deduct	-0.65	
09 65 13 13-0010	LF		4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.62	1.21
			For Up To 20, Add	1.81	
			For >20 To 40, Add	1.04	
			For >40 To 80, Add	0.40	
			For >240 To 960, Deduct	-0.44	
			For >960, Deduct	-0.66	
09 65 13 13-0011	LF		4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.02	1.21
			For Up To 20, Add	1.87	
			For >20 To 40, Add	1.08	
			For >40 To 80, Add	0.42	
			For >240 To 960, Deduct	-0.48	
			For >960, Deduct	-0.72	
09 65 13 13-0012	LF		6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.26	1.21
			For Up To 20, Add	2.05	
			For >20 To 40, Add	1.21	
			For >40 To 80, Add	0.48	
			For >240 To 960, Deduct	-0.61	
			For >960, Deduct	-0.91	
09 65 13 13-0013	LF		2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	9.59	1.21
			For Up To 20, Add	2.40	
			For >20 To 40, Add	1.44	
			For >40 To 80, Add	0.60	
			For >240 To 960, Deduct	-0.84	
			For >960, Deduct	-1.26	
09 65 13 13-0014	LF		3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.09	1.21
			For Up To 20, Add	2.48	
			For >20 To 40, Add	1.49	
			For >40 To 80, Add	0.63	
			For >240 To 960, Deduct	-0.89	
			For >960, Deduct	-1.33	
09 65 13 13-0015	LF		4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.65	1.21
			For Up To 20, Add	2.71	
			For >20 To 40, Add	1.65	
			For >40 To 80, Add	0.70	
			For >240 To 960, Deduct	-1.04	
			For >960, Deduct	-1.57	
09 65 13 13-0016	LF		4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.69	1.21
			For Up To 20, Add	2.87	
			For >20 To 40, Add	1.75	
			For >40 To 80, Add	0.76	
			For >240 To 960, Deduct	-1.15	
			For >960, Deduct	-1.72	
09 65 13 13-0017	LF		6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	17.84	1.21
			For Up To 20, Add	3.64	
			For >20 To 40, Add	2.27	
			For >40 To 80, Add	1.01	
			For >240 To 960, Deduct	-1.66	
			For >960, Deduct	-2.50	
09 65 13 13-0018			Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)		
			Note: Includes inside and outside corners.		
09 65 13 13-0019	LF		2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.68	1.45
			For Up To 20, Add	1.82	
			For >20 To 40, Add	1.05	
			For >40 To 80, Add	0.40	
			For >240 To 960, Deduct	-0.45	
			For >960, Deduct	-0.67	
09 65 13 13-0020	LF		3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.33	1.45
			For Up To 20, Add	1.91	
			For >20 To 40, Add	1.12	
			For >40 To 80, Add	0.44	
			For >240 To 960, Deduct	-0.51	
			For >960, Deduct	-0.77	
09 65 13 13-0021	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.70	1.21
			For Up To 20, Add	1.82	
			For >20 To 40, Add	1.05	
			For >40 To 80, Add	0.41	
			For >240 To 960, Deduct	-0.45	
			For >960, Deduct	-0.67	



Finishes			09
Flooring			09 60
Resilient Flooring			09 65

2

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0022	LF		4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.11	1.21
			For Up To 20, Add	1.88	
			For >20 To 40, Add	1.09	
			For >40 To 80, Add	0.43	
			For >240 To 960, Deduct	-0.49	
			For >960, Deduct	-0.74	
09 65 13 13-0023	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	8.59	1.45
			For Up To 20, Add	2.45	
			For >20 To 40, Add	1.44	
			For >40 To 80, Add	0.57	
			For >240 To 960, Deduct	-0.71	
			For >960, Deduct	-1.07	
09 65 13 23 Resilient Stair Treads and Risers (09 65 13)					
Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.					
09 65 13 23-0001			Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002			Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.19	1.93
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.38	2.07
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	21.08	2.22
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006			Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.26	1.93
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.02	2.07
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.71	2.23
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0010			Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser	8.90	1.16
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats	27.68	1.79
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats	33.21	1.93
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats	35.96	2.17
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	18.56	1.76
			For Abrasive Strip, Add	2.75	
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	20.52	1.93
			For Abrasive Strip, Add	2.75	
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	24.83	2.08
			For Abrasive Strip, Add	2.75	
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	10.21	1.16
09 65 13 33 Resilient Accessories (09 65 13)					
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.83	0.97
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.86	0.97

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 33-0004 Concrete Floor Prep (09 65 13 33)					
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor	.....	1.21	
Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.					
09 65 13 36 Resilient Carpet Transitions (09 65 13)					
09 65 13 36-0001 Vinyl Transition Strip (09 65 13 36)					
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	.....	2.63	0.87
		For >240 To 960, Deduct	.....	-0.20	
		For >960, Deduct	.....	-0.30	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	.....	2.33	0.87
		For >240 To 960, Deduct	.....	-0.17	
		For >960, Deduct	.....	-0.26	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	.....	1.97	0.87
		For >240 To 960, Deduct	.....	-0.14	
		For >960, Deduct	.....	-0.20	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	.....	3.21	1.21
		For Up To 20, Add	.....	1.25	
		For >20 To 40, Add	.....	0.71	
		For >40 To 80, Add	.....	0.26	
		For >240 To 960, Deduct	.....	-0.22	
		For >960, Deduct	.....	-0.34	
09 65 13 36-0006 Vinyl, Wheeled Traffic Transitions (09 65 13 36)					
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	.....	4.04	1.21
		For Up To 20, Add	.....	1.38	
		For >20 To 40, Add	.....	0.79	
		For >40 To 80, Add	.....	0.30	
		For >240 To 960, Deduct	.....	-0.31	
		For >960, Deduct	.....	-0.46	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	.....	4.04	1.21
		For Up To 20, Add	.....	1.38	
		For >20 To 40, Add	.....	0.79	
		For >40 To 80, Add	.....	0.30	
		For >240 To 960, Deduct	.....	-0.31	
		For >960, Deduct	.....	-0.46	
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	.....	4.98	1.21
		For Up To 20, Add	.....	1.52	
		For >20 To 40, Add	.....	0.88	
		For >40 To 80, Add	.....	0.35	
		For >240 To 960, Deduct	.....	-0.40	
		For >960, Deduct	.....	-0.60	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	.....	8.32	1.21
		For Up To 20, Add	.....	2.02	
		For >20 To 40, Add	.....	1.22	
		For >40 To 80, Add	.....	0.51	
		For >240 To 960, Deduct	.....	-0.74	
		For >960, Deduct	.....	-1.10	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	.....	8.34	1.21
		For Up To 20, Add	.....	2.02	
		For >20 To 40, Add	.....	1.22	
		For >40 To 80, Add	.....	0.51	
		For >240 To 960, Deduct	.....	-0.74	
		For >960, Deduct	.....	-1.11	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	.....	5.48	1.21
		For Up To 20, Add	.....	1.59	
		For >20 To 40, Add	.....	0.93	
		For >40 To 80, Add	.....	0.37	
		For >240 To 960, Deduct	.....	-0.45	
		For >960, Deduct	.....	-0.68	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	.....	8.10	1.21
		For Up To 20, Add	.....	1.99	
		For >20 To 40, Add	.....	1.20	
		For >40 To 80, Add	.....	0.50	
		For >240 To 960, Deduct	.....	-0.71	
		For >960, Deduct	.....	-1.07	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	.....	8.40	1.21
		For Up To 20, Add	.....	2.03	
		For >20 To 40, Add	.....	1.23	
		For >40 To 80, Add	.....	0.52	
		For >240 To 960, Deduct	.....	-0.74	
		For >960, Deduct	.....	-1.12	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	.....	7.06	1.21
		For Up To 20, Add	.....	1.83	
		For >20 To 40, Add	.....	1.09	
		For >40 To 80, Add	.....	0.45	
		For >240 To 960, Deduct	.....	-0.61	
		For >960, Deduct	.....	-0.91	



		Finishes	09	2
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	7.72	1.21	
		For Up To 20, Add	1.93		
		For >20 To 40, Add	1.16		
		For >40 To 80, Add	0.48		
		For >240 To 960, Deduct	-0.68		
		For >960, Deduct	-1.01		
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	8.40	1.21	
		For Up To 20, Add	2.03		
		For >20 To 40, Add	1.23		
		For >40 To 80, Add	0.52		
		For >240 To 960, Deduct	-0.74		
		For >960, Deduct	-1.12		
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	6.93	1.21	
		For Up To 20, Add	1.81		
		For >20 To 40, Add	1.08		
		For >40 To 80, Add	0.44		
		For >240 To 960, Deduct	-0.60		
		For >960, Deduct	-0.89		
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	5.84	1.21	
		For Up To 20, Add	1.65		
		For >20 To 40, Add	0.97		
		For >40 To 80, Add	0.39		
		For >240 To 960, Deduct	-0.49		
		For >960, Deduct	-0.73		
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	8.64	1.21	
		For Up To 20, Add	2.07		
		For >20 To 40, Add	1.25		
		For >40 To 80, Add	0.53		
		For >240 To 960, Deduct	-0.77		
		For >960, Deduct	-1.15		
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.16	1.21	
		For Up To 20, Add	2.45		
		For >20 To 40, Add	1.50		
		For >40 To 80, Add	0.65		
		For >240 To 960, Deduct	-1.02		
		For >960, Deduct	-1.53		
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	5.67	1.21	
		For Up To 20, Add	1.62		
		For >20 To 40, Add	0.95		
		For >40 To 80, Add	0.38		
		For >240 To 960, Deduct	-0.47		
		For >960, Deduct	-0.71		
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	5.75	1.21	
		For Up To 20, Add	1.63		
		For >20 To 40, Add	0.96		
		For >40 To 80, Add	0.38		
		For >240 To 960, Deduct	-0.48		
		For >960, Deduct	-0.72		
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	6.54	1.21	
		For Up To 20, Add	1.75		
		For >20 To 40, Add	1.04		
		For >40 To 80, Add	0.42		
		For >240 To 960, Deduct	-0.56		
		For >960, Deduct	-0.84		

09 65 16 Resilient Sheet Flooring (09 65)
Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.82	0.72	
		For Up To 40, Add	4.29		
		For >40 To 100, Add	2.14		
		For >1,000, Deduct	-1.03		
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	9.63	0.72	
		For Up To 40, Add	3.85		
		For >40 To 100, Add	1.93		
		For >1,000, Deduct	-0.82		
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	6.23	0.72	
		For Up To 40, Add	3.17		
		For >40 To 100, Add	1.59		
		For >1,000, Deduct	-0.48		
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	8.24	0.72	
		For Up To 40, Add	3.57		
		For >40 To 100, Add	1.79		
		For >1,000, Deduct	-0.68		
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	10.94	0.72	
		For Up To 40, Add	4.11		
		For >40 To 100, Add	2.06		
		For >1,000, Deduct	-0.95		
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.18	0.72	
		For Up To 40, Add	4.96		
		For >40 To 100, Add	2.48		
		For >1,000, Deduct	-1.37		

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0008			Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	6.88	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams	7.35	
09 65 16 23-0011			Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	16.11	
09 65 16 23-0013			Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip	4.44	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip	3.96	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip	6.15	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	3.02	
09 65 19			Resilient Tile Flooring (09 65) Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19			Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001			Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	4.35	1.45
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.24	
			For >6,000, Deduct	-0.42	
			For 3/32" Thick, Deduct	-0.26	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.19	1.45
			For >1,000 To 3,000, Deduct	-0.09	
			For >3,000 To 6,000, Deduct	-0.23	
			For >6,000, Deduct	-0.41	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.19	1.45
			For >1,000 To 3,000, Deduct	-0.09	
			For >3,000 To 6,000, Deduct	-0.23	
			For >6,000, Deduct	-0.41	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	6.40	1.45
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.55	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	6.42	1.45
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.55	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	6.84	1.45
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.34	
			For >6,000, Deduct	-0.57	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	6.91	1.45
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.34	
			For >6,000, Deduct	-0.58	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.18	1.45
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.35	
			For >6,000, Deduct	-0.59	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	9.59	1.45
			For >1,000 To 3,000, Deduct	-0.20	
			For >3,000 To 6,000, Deduct	-0.45	
			For >6,000, Deduct	-0.74	
			For Extra Stock, Material Only, Deduct	-1.70	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	10.54	1.45
			For >1,000 To 3,000, Deduct	-0.22	
			For >3,000 To 6,000, Deduct	-0.48	
			For >6,000, Deduct	-0.79	
			For Extra Stock, Material Only, Deduct	-1.70	



		Finishes	09	2
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 65 19 19-0012	Static Dissipative Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.			
09 65 19 19-0013	SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	19.48		1.45
	For >1,000 To 3,000, Deduct	-0.40		
	For >3,000 To 6,000, Deduct	-0.88		
	For >6,000, Deduct	-1.44		
	For Extra Stock, Material Only, Deduct	-2.87		
09 65 19 19-0014	SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD).....	14.81		1.45
	For Up To 20, Add	3.43		
	For >20 To 40, Add	2.09		
	For >40 To 80, Add	0.89		
	For >1,000 To 3,000, Deduct	-0.31		
	For >3,000 To 6,000, Deduct	-0.70		
	For >6,000, Deduct	-1.16		
	For Extra Stock, Material Only, Deduct	-2.87		
09 65 19 23	Vinyl Tile Flooring (09 65 19)			
09 65 19 23-0001	Vinyl Tile (09 65 19 23) Note: Any size.			
09 65 19 23-0002	Solid Vinyl Tile (SVT) (09 65 19 23-0001) Note: The following solid vinyl tiles are certified to ASTM F 1700.			
09 65 19 23-0003	SF 1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT).....	5.92		1.45
	For Up To 20, Add	1.88		
	For >20 To 40, Add	1.09		
	For >40 To 80, Add	0.42		
	For >1,000 To 3,000, Deduct	-0.13		
	For >3,000 To 6,000, Deduct	-0.32		
	For >6,000, Deduct	-0.58		
09 65 19 23-0004	SF 1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT).....	6.20		1.45
	For Up To 20, Add	1.92		
	For >20 To 40, Add	1.11		
	For >40 To 80, Add	0.43		
	For >1,000 To 3,000, Deduct	-0.14		
	For >3,000 To 6,000, Deduct	-0.33		
	For >6,000, Deduct	-0.59		
09 65 19 23-0005	SF 1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT).....	6.29		1.45
	For Up To 20, Add	1.93		
	For >20 To 40, Add	1.12		
	For >40 To 80, Add	0.44		
	For >1,000 To 3,000, Deduct	-0.14		
	For >3,000 To 6,000, Deduct	-0.34		
	For >6,000, Deduct	-0.60		
09 65 19 23-0006	Luxury Vinyl Tile (LVT) (09 65 19 23-0001)			
09 65 19 23-0007	SF 2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico).....	11.31		1.45
	For Up To 20, Add	2.68		
	For >20 To 40, Add	1.63		
	For >40 To 80, Add	0.69		
	For >1,000 To 3,000, Deduct	-0.24		
	For >3,000 To 6,000, Deduct	-0.54		
	For >6,000, Deduct	-0.90		
09 65 19 23-0008	SF 3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete).....	6.63		1.93
	For Up To 20, Add	1.98		
	For >20 To 40, Add	1.16		
	For >40 To 80, Add	0.46		
	For >1,000 To 3,000, Deduct	-0.14		
	For >3,000 To 6,000, Deduct	-0.35		
	For >6,000, Deduct	-0.62		
09 65 19 23-0009	SF 3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori).....	6.85		1.93
	For Up To 20, Add	2.02		
	For >20 To 40, Add	1.18		
	For >40 To 80, Add	0.47		
	For >1,000 To 3,000, Deduct	-0.15		
	For >3,000 To 6,000, Deduct	-0.36		
	For >6,000, Deduct	-0.63		
09 65 19 23-0010	SF 2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue).....	6.43		1.93
	For Up To 20, Add	1.95		
	For >20 To 40, Add	1.14		
	For >40 To 80, Add	0.45		
	For >1,000 To 3,000, Deduct	-0.14		
	For >3,000 To 6,000, Deduct	-0.34		
	For >6,000, Deduct	-0.61		
09 65 19 23-0011	SF 2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue).....	6.84		1.93
	For Up To 20, Add	2.01		
	For >20 To 40, Add	1.18		
	For >40 To 80, Add	0.47		
	For >1,000 To 3,000, Deduct	-0.15		
	For >3,000 To 6,000, Deduct	-0.36		
	For >6,000, Deduct	-0.63		

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0012	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM).....	5.61	1.45
			For Up To 20, Add	1.83	
			For >20 To 40, Add	1.06	
			For >40 To 80, Add	0.40	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.31	
			For >6,000, Deduct	-0.56	
09 65 19 23-0013	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM).....	7.52	1.45
			For Up To 20, Add	2.12	
			For >20 To 40, Add	1.25	
			For >40 To 80, Add	0.50	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.67	
09 65 19 23-0014	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	6.59	1.93
			For Up To 20, Add	1.98	
			For >20 To 40, Add	1.15	
			For >40 To 80, Add	0.45	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.35	
			For >6,000, Deduct	-0.62	
09 65 19 23-0015	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	7.53	1.93
			For Up To 20, Add	2.12	
			For >20 To 40, Add	1.25	
			For >40 To 80, Add	0.50	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.67	
09 65 19 23-0016	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	6.59	1.93
			For Up To 20, Add	1.98	
			For >20 To 40, Add	1.15	
			For >40 To 80, Add	0.45	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.35	
			For >6,000, Deduct	-0.62	
09 65 19 23-0017	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	7.53	1.93
			For Up To 20, Add	2.12	
			For >20 To 40, Add	1.25	
			For >40 To 80, Add	0.50	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.67	
09 65 19 23-0018	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	7.69	1.93
			For Up To 20, Add	2.14	
			For >20 To 40, Add	1.26	
			For >40 To 80, Add	0.51	
			For >1,000 To 3,000, Deduct	-0.17	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.68	
09 65 19 23-0019	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	7.59	1.93
			For Up To 20, Add	2.13	
			For >20 To 40, Add	1.25	
			For >40 To 80, Add	0.50	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.68	
09 65 19 23-0020	SF		6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis).....	8.39	1.93
			For Up To 20, Add	2.25	
			For >20 To 40, Add	1.33	
			For >40 To 80, Add	0.54	
			For >1,000 To 3,000, Deduct	-0.18	
			For >3,000 To 6,000, Deduct	-0.42	
			For >6,000, Deduct	-0.73	
09 65 19 23-0021	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful).....	7.64	1.93
			For Up To 20, Add	2.13	
			For >20 To 40, Add	1.26	
			For >40 To 80, Add	0.51	
			For >1,000 To 3,000, Deduct	-0.17	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.68	
09 65 19 23-0022	SF		3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil).....	6.45	1.93
			For Up To 20, Add	1.96	
			For >20 To 40, Add	1.14	
			For >40 To 80, Add	0.45	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.34	
			For >6,000, Deduct	-0.61	
09 65 19 23-0023	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide).....	5.96	1.93
			For Up To 20, Add	1.88	
			For >20 To 40, Add	1.09	
			For >40 To 80, Add	0.42	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.58	



		Finishes	09	2
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0024	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude).....	6.89	1.45
			For Up To 20, Add	2.02	
			For >20 To 40, Add	1.18	
			For >40 To 80, Add	0.47	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.36	
			For >6,000, Deduct	-0.64	
09 65 19 23-0025	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	6.15	1.45
			For Up To 20, Add	1.91	
			For >20 To 40, Add	1.11	
			For >40 To 80, Add	0.43	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.33	
			For >6,000, Deduct	-0.59	
09 65 19 23-0026	SF		2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	5.55	1.45
			For Up To 20, Add	1.82	
			For >20 To 40, Add	1.05	
			For >40 To 80, Add	0.40	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.31	
			For >6,000, Deduct	-0.56	
09 65 19 23-0027	SF		5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	7.33	1.45
			For Up To 20, Add	2.09	
			For >20 To 40, Add	1.23	
			For >40 To 80, Add	0.49	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.38	
			For >6,000, Deduct	-0.66	
09 65 19 23-0028	SF		2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	5.55	1.45
			For Up To 20, Add	1.82	
			For >20 To 40, Add	1.05	
			For >40 To 80, Add	0.40	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.31	
			For >6,000, Deduct	-0.56	
09 65 19 23-0029	SF		5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	7.33	1.45
			For Up To 20, Add	2.09	
			For >20 To 40, Add	1.23	
			For >40 To 80, Add	0.49	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.38	
			For >6,000, Deduct	-0.66	
09 65 19 23-0030	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	6.59	1.45
			For Up To 20, Add	1.98	
			For >20 To 40, Add	1.15	
			For >40 To 80, Add	0.45	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.35	
			For >6,000, Deduct	-0.62	
09 65 19 23-0031	SF		5mm Thick, Luxury Vinyl Tile (LVT) ((Shaw Contract BRUSHWOOD 08765 & COMMINGLE 04350V)	20.44	1.45
			For Up To 20, Add	4.05	
			For >20 To 40, Add	2.54	
			For >40 To 80, Add	1.15	
			For >1,000 To 3,000, Deduct	-0.42	
			For >3,000 To 6,000, Deduct	-0.90	
			For >6,000, Deduct	-1.45	

09 65 19 33 Rubber Tile Flooring (09 65 19)

09 65 19 33-0001			Rubber Tile (09 65 19 33)		
09 65 19 33-0002			Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs	24.26	0.87
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 100, Add	1.30	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs	29.45	0.97
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 100, Add	1.57	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs	32.68	1.16
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 100, Add	1.75	

09 65 19 43 Polyester Composition Tile Flooring (09 65 19)

09 65 19 43-0001			Polyester Composition Floor Tile (09 65 19 43)		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	10.11	1.45
			For >1,000 To 3,000, Deduct	-0.21	
			For >3,000 To 6,000, Deduct	-0.47	
			For >6,000, Deduct	-0.77	
			For Extra Stock, Material Only, Deduct	-1.70	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	7.46	1.45	
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.36		
		For >6,000, Deduct	-0.61		
		For Extra Stock, Material Only, Deduct	-1.70		
09 65 23		Resilient Plank Flooring ^(09 65)			
		Note: Includes mastic and cleaning floor after installation is complete.			
09 65 23 00-0001		Vinyl Plank Flooring ^(09 65 23)			
09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.01	0.72	
		For Up To 40, Add	3.33		
		For >40 To 100, Add	1.66		
		For >1,000, Deduct	-0.55		
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.79	0.72	
		For Up To 40, Add	3.68		
		For >40 To 100, Add	1.84		
		For >1,000, Deduct	-0.73		
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.89	0.72	
		For Up To 40, Add	3.90		
		For >40 To 100, Add	1.95		
		For >1,000, Deduct	-0.84		
09 65 23 00-0005	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot).....	6.23	1.45	
		For Up To 20, Add	1.92		
		For >20 To 40, Add	1.12		
		For >40 To 80, Add	0.44		
		For >1,000 To 3,000, Deduct	-0.14		
		For >3,000 To 6,000, Deduct	-0.34		
		For >6,000, Deduct	-0.60		
09 65 43		Linoleum Flooring ^(09 65)			
		Note: Includes mastic and cleaning floor after installation is complete.			
09 65 43 00-0001		Linoleum Flooring ^(09 65 43)			
09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	7.40	1.45	
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.59	0.72	
		For 3.2mm Thickness, Add	0.82		
		For 2mm Thickness, Deduct	-0.39		
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams	6.89		
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.			
09 65 66		Resilient Athletic Flooring ^(09 65)			
09 65 66 00-0001		Recycled Rubber, Interlocking Athletic Tiles ^(09 65 66)			
09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.02	0.67	
		For Colors, Add	1.41		
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.31	0.85	
		For Colors, Add	1.62		
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	10.74	1.35	
		For Colors, Add	1.76		
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	15.65	1.64	
		For Colors, Add	2.66		
09 65 66 00-0006		Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles ^(09 65 66)			
09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	43.21	0.67	
		For Colors, Add	5.28		
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	62.58	0.67	
		For Colors, Add	7.70		
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	45.65	0.67	
		For Colors, Add	5.59		
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	56.21	0.67	
		For Colors, Add	6.91		
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150).....	46.95	0.67	
		For Colors, Add	5.75		
09 65 66 00-0012		Sheet Goods For Gym ^(09 65 66)			
09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.96	2.90	
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.30	3.00	
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.54	3.09	
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	5.30	2.36	
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	5.94	2.71	
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	6.83	2.90	



		Finishes	09	2
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0019	SF		3/8" Rubber Sheet Good For Gym Floor Base	7.50	3.09
09 65 66 00-0020	SF		1/2" Rubber Sheet Good For Gym Floor Base	7.93	3.29
09 65 66 00-0021			Polyurethane Floor Systems (09 65 66) See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF		9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	24.47	1.93
09 66 Terrazzo Flooring (09 60)					
09 66 13 Portland Cement Terrazzo Flooring (09 66) Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.					
09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)					
09 66 13 13-0001			Floors Not Bonded To Concrete (09 66 13 13) Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF		Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	31.56	3.10
			For Venetian Type Terrazzo, Add	7.51	
			For Abrasive Heavy-Duty Terrazzo, Add	7.51	
			For Colors, Add	3.76	
			For Up To 100, Add	8.12	
			For >100 To 250, Add	4.06	
09 66 13 13-0003	SF		Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	31.70	3.10
			For Venetian Type Terrazzo, Add	7.58	
			For Abrasive Heavy-Duty Terrazzo, Add	7.58	
			For Colors, Add	3.79	
			For Up To 100, Add	8.13	
			For >100 To 250, Add	4.07	
09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)					
09 66 13 16-0001			Monolithic Terrazzo (09 66 13 16)		
09 66 13 16-0002	SF		Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping.....	16.95	3.10
			Note: Including Mesh And Felt		
			For Venetian Type Terrazzo, Add	5.47	
			For Abrasive Heavy-Duty Terrazzo, Add	5.47	
			For Colors, Add	2.74	
			For Up To 100, Add	3.50	
			For >100 To 250, Add	1.75	
09 66 13 19 Bonded Terrazzo Flooring (09 66 13)					
09 66 13 19-0001			Floors Bonded To Concrete (09 66 13 19) Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF		Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	25.11	3.10
			For Venetian Type Terrazzo, Add	6.20	
			For Abrasive Heavy-Duty Terrazzo, Add	6.20	
			For Colors, Add	3.10	
			For Up To 100, Add	6.32	
			For >100 To 250, Add	3.16	
09 66 13 19-0003	SF		Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	25.25	3.10
			For Venetian Type Terrazzo, Add	6.27	
			For Abrasive Heavy-Duty Terrazzo, Add	6.27	
			For Colors, Add	3.14	
			For Up To 100, Add	6.34	
			For >100 To 250, Add	3.17	
09 66 13 19-0004			Terrazzo Wainscot (09 66 13 19)		
09 66 13 19-0005	SF		1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	35.57	4.14
			For Venetian Type Terrazzo, Add	4.01	
09 66 13 19-0006			Terrazzo Base (09 66 13 19)		
09 66 13 19-0007	SF		6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	32.86	2.76
			For Venetian Type Terrazzo, Add	8.75	
09 66 13 19-0008			Terrazzo Curb (09 66 13 19)		
09 66 13 19-0009	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	84.73	18.42
			For Venetian Type Terrazzo, Add	11.67	
09 66 13 19-0010			Stairs Cast In Place (09 66 13 19) Note: Topping applied to concrete or metal.		

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	36.61	6.20
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	92.71	20.66
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	37.05	6.20
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0014		Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	5.91	1.04
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip.....	6.46	1.04
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	9.17	1.04
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	13.58	1.04
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	5.68	1.04
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	8.46	1.04
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor.....	6.45	1.04
09 66 16		Terrazzo Floor Tile (09 66)		
09 66 16 13		Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001		Flooring Tiles (09 66 16 13)		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		Terrazzo Tiles With Non-Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	29.34	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	29.64	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	34.10	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	35.99	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	37.11	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0008		Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	28.82	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	30.53	3.00
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0011		Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	42.17	5.52
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	48.14	5.52
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0014		Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	14.01	2.76
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	15.60	2.76
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	16.31	2.76
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	17.10	2.76
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	



Finishes		09	2
Flooring		09 60	
Terrazzo Flooring		09 66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0019			Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020	LF		8" x 8" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	28.44 0.50 1.00	3.69
09 66 16 13-0021	LF		6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	27.65 0.50 1.00	3.69
09 66 16 13-0022			Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	66.95	3.69
09 66 16 13-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	57.43	3.69
09 66 16 13-0025	LF		2" Precast Terrazzo Straight Stair Tread	51.09	3.69
09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread	59.75	3.69
09 66 16 13-0027			Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)		
09 66 16 13-0028	LF		1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	30.54	2.76
09 66 16 13-0029	LF		1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	35.30	2.76
09 66 16 13-0030			Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	44.73	2.76
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	47.91	2.76
09 66 16 13-0033			Tread And Riser (09 66 16 13)		
09 66 16 13-0034			Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	75.16	7.37
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	90.65	7.37
09 66 16 13-0037			Structural Non-Slip Landings (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	54.02	3.69
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	66.33	3.69
09 66 16 13-0040			Combined Tread And Riser (09 66 16 13-0033)		
09 66 16 13-0041			Straight Sections (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	117.15	7.37
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	139.36	7.37
09 66 16 13-0044			Curved Sections (09 66 16 13-0040)		
09 66 16 13-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	146.47	7.37
09 66 16 13-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	184.54	7.37
09 66 23			Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16			Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001			Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick	23.65	3.10
09 66 33			Conductive Terrazzo Flooring (09 66)		
Note: For anti-static areas.					
09 66 33 13			Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001	SF		Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	23.23	4.61
09 66 33 13-0002	SF		Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	42.07	4.61
09 66 33 16			Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001	SF		Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	17.79	4.61
09 66 33 16-0002	SF		Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	30.32	4.61
09 66 33 19			Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial.....	19.90	4.61
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	37.95	4.61
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial.....	28.71	4.61
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial.....	32.68	4.61
09 67			Fluid-Applied Flooring (09 60)		

09 Finishes**09 60 Flooring****09 67 Fluid-Applied Flooring**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 67 16 Epoxy-Marble Chip Flooring (09 67)**09 67 16 00-0001 Epoxy Marble Chip Flooring** (09 67 16)

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	18.47	3.10
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	0.09	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	19.76	3.10
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	0.10	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	

09 67 23 Resinous Flooring (09 67)**09 67 23 00-0001 Epoxy Resin Flooring** (09 67 23)

		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/blast grinding or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	15.05	7.03
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.07	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
		For Up To 500, Add	2.94	
		For >500 To 1,000, Add	1.84	
		For >1,000 To 2,000, Add	0.92	
		For >10,000, Deduct	-0.96	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	23.25	7.03
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.15	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.15	
		For Up To 500, Add	4.99	
		For >500 To 1,000, Add	3.07	
		For >1,000 To 2,000, Add	1.54	
		For >10,000, Deduct	-1.37	
09 67 23 00-0004	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.88	7.85
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.08	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08	
		For Up To 500, Add	3.44	
		For >500 To 1,000, Add	2.17	
		For >1,000 To 2,000, Add	1.08	
		For >10,000, Deduct	-1.15	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	27.27	7.85
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.17	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.17	
		For Up To 500, Add	5.78	
		For >500 To 1,000, Add	3.57	
		For >1,000 To 2,000, Add	1.79	
		For >10,000, Deduct	-1.62	
09 67 23 00-0006	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	20.22	8.79
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.09	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
		For Up To 500, Add	3.91	
		For >500 To 1,000, Add	2.46	
		For >1,000 To 2,000, Add	1.23	
		For >10,000, Deduct	-1.30	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	30.18	8.79
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.19	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.19	
		For Up To 500, Add	6.40	
		For >500 To 1,000, Add	3.95	
		For >1,000 To 2,000, Add	1.98	
		For >10,000, Deduct	-1.80	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)**09 68 13 00-0001 Tufted Carpet Tiles** (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Patterned Carpet Tiles (Shaw) (09 68 13 00-0001)**09 68 13 00-0003 15 Ounce, Patterned, Nylon Carpet Tile** (09 68 13 00-0002)



Finishes			09	9
Flooring			09 60	
Carpeting			09 68	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 68 13 00-0004	SY	COMPANION STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	37.86	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.47	
		For >400 To 600, Deduct	-0.71	
		For >600 To 900, Deduct	-1.39	
		For >900 To 1,500, Deduct	-2.08	
		For >1,500 To 2,200, Deduct	-3.07	
		For >2,200 To 3,500, Deduct	-4.02	
		For >3,500, Deduct	-4.97	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0005	SY	CORRESPOND STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	37.86	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.47	
		For >400 To 600, Deduct	-0.71	
		For >600 To 900, Deduct	-1.39	
		For >900 To 1,500, Deduct	-2.08	
		For >1,500 To 2,200, Deduct	-3.07	
		For >2,200 To 3,500, Deduct	-4.02	
		For >3,500, Deduct	-4.97	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0006	SY	PARTNER STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	37.86	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.47	
		For >400 To 600, Deduct	-0.71	
		For >600 To 900, Deduct	-1.39	
		For >900 To 1,500, Deduct	-2.08	
		For >1,500 To 2,200, Deduct	-3.07	
		For >2,200 To 3,500, Deduct	-4.02	
		For >3,500, Deduct	-4.97	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0007	SY	CENTRIC ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	43.72	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.59	
		For >400 To 600, Deduct	-0.88	
		For >600 To 900, Deduct	-1.69	
		For >900 To 1,500, Deduct	-2.49	
		For >1,500 To 2,200, Deduct	-3.66	
		For >2,200 To 3,500, Deduct	-4.75	
		For >3,500, Deduct	-5.85	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0008	SY	SURROUND ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	43.72	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.59	
		For >400 To 600, Deduct	-0.88	
		For >600 To 900, Deduct	-1.69	
		For >900 To 1,500, Deduct	-2.49	
		For >1,500 To 2,200, Deduct	-3.66	
		For >2,200 To 3,500, Deduct	-4.75	
		For >3,500, Deduct	-5.85	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0009	SY	GLAZE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.00	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.65	
		For >400 To 600, Deduct	-0.98	
		For >600 To 900, Deduct	-1.85	
		For >900 To 1,500, Deduct	-2.72	
		For >1,500 To 2,200, Deduct	-3.99	
		For >2,200 To 3,500, Deduct	-5.16	
		For >3,500, Deduct	-6.34	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0010	SY	TRANSPARENT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.47	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.66	
		For >400 To 600, Deduct	-1.00	
		For >600 To 900, Deduct	-1.87	
		For >900 To 1,500, Deduct	-2.75	
		For >1,500 To 2,200, Deduct	-4.03	
		For >2,200 To 3,500, Deduct	-5.22	
		For >3,500, Deduct	-6.41	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0011	SY		CLEAR ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.45	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.87	
			For >900 To 1,500, Deduct	-2.75	
			For >1,500 To 2,200, Deduct	-4.03	
			For >2,200 To 3,500, Deduct	-5.22	
			For >3,500, Deduct	-6.40	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0012	SY		DIRECTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.64	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0013	SY		REVERSE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.64	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0014	SY		SHAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.64	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0015	SY		ARRANGE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	36.54	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.45	
			For >400 To 600, Deduct	-0.67	
			For >600 To 900, Deduct	-1.33	
			For >900 To 1,500, Deduct	-1.99	
			For >1,500 To 2,200, Deduct	-2.94	
			For >2,200 To 3,500, Deduct	-3.85	
			For >3,500, Deduct	-4.77	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0016	SY		ARRAY STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	36.54	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.45	
			For >400 To 600, Deduct	-0.67	
			For >600 To 900, Deduct	-1.33	
			For >900 To 1,500, Deduct	-1.99	
			For >1,500 To 2,200, Deduct	-2.94	
			For >2,200 To 3,500, Deduct	-3.85	
			For >3,500, Deduct	-4.77	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0017	SY		OFFSET STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	36.54	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.45	
			For >400 To 600, Deduct	-0.67	
			For >600 To 900, Deduct	-1.33	
			For >900 To 1,500, Deduct	-1.99	
			For >1,500 To 2,200, Deduct	-2.94	
			For >2,200 To 3,500, Deduct	-3.85	
			For >3,500, Deduct	-4.77	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 13 00-0018	SY STRUCTURE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	36.54		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.45		
	For >400 To 600, Deduct	-0.67		
	For >600 To 900, Deduct	-1.33		
	For >900 To 1,500, Deduct	-1.99		
	For >1,500 To 2,200, Deduct	-2.94		
	For >2,200 To 3,500, Deduct	-3.85		
	For >3,500, Deduct	-4.77		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0019	SY POURED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	42.55		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.57		
	For >400 To 600, Deduct	-0.85		
	For >600 To 900, Deduct	-1.63		
	For >900 To 1,500, Deduct	-2.41		
	For >1,500 To 2,200, Deduct	-3.54		
	For >2,200 To 3,500, Deduct	-4.61		
	For >3,500, Deduct	-5.67		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0020	SY STACKED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	42.55		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.57		
	For >400 To 600, Deduct	-0.85		
	For >600 To 900, Deduct	-1.63		
	For >900 To 1,500, Deduct	-2.41		
	For >1,500 To 2,200, Deduct	-3.54		
	For >2,200 To 3,500, Deduct	-4.61		
	For >3,500, Deduct	-5.67		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0021	SY COMMONS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	43.64		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.59		
	For >400 To 600, Deduct	-0.88		
	For >600 To 900, Deduct	-1.68		
	For >900 To 1,500, Deduct	-2.48		
	For >1,500 To 2,200, Deduct	-3.65		
	For >2,200 To 3,500, Deduct	-4.74		
	For >3,500, Deduct	-5.83		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0022	SY MAKERSPACE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	43.64		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.59		
	For >400 To 600, Deduct	-0.88		
	For >600 To 900, Deduct	-1.68		
	For >900 To 1,500, Deduct	-2.48		
	For >1,500 To 2,200, Deduct	-3.65		
	For >2,200 To 3,500, Deduct	-4.74		
	For >3,500, Deduct	-5.83		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0023	SY QUAD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	43.64		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.59		
	For >400 To 600, Deduct	-0.88		
	For >600 To 900, Deduct	-1.68		
	For >900 To 1,500, Deduct	-2.48		
	For >1,500 To 2,200, Deduct	-3.65		
	For >2,200 To 3,500, Deduct	-4.74		
	For >3,500, Deduct	-5.83		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0024	SY DIFFUSE 24" X 24" ECOLOGIX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.41		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.66		
	For >400 To 600, Deduct	-0.99		
	For >600 To 900, Deduct	-1.87		
	For >900 To 1,500, Deduct	-2.75		
	For >1,500 To 2,200, Deduct	-4.03		
	For >2,200 To 3,500, Deduct	-5.21		
	For >3,500, Deduct	-6.40		
	For Cushioned Backed Tile, Add	4.79		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0025	SY		DIFFUSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	45.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.93	
			For >600 To 900, Deduct	-1.77	
			For >900 To 1,500, Deduct	-2.61	
			For >1,500 To 2,200, Deduct	-3.83	
			For >2,200 To 3,500, Deduct	-4.96	
			For >3,500, Deduct	-6.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0026	SY		DISPERSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	45.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.93	
			For >600 To 900, Deduct	-1.77	
			For >900 To 1,500, Deduct	-2.61	
			For >1,500 To 2,200, Deduct	-3.83	
			For >2,200 To 3,500, Deduct	-4.96	
			For >3,500, Deduct	-6.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0027	SY		DISPERSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	46.99	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.65	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.85	
			For >900 To 1,500, Deduct	-2.72	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.16	
			For >3,500, Deduct	-6.34	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0028	SY		DIFFUSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.32	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.99	
			For >600 To 900, Deduct	-1.87	
			For >900 To 1,500, Deduct	-2.74	
			For >1,500 To 2,200, Deduct	-4.02	
			For >2,200 To 3,500, Deduct	-5.20	
			For >3,500, Deduct	-6.39	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0029	SY		INFINITE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.85	
			For >900 To 1,500, Deduct	-2.72	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.17	
			For >3,500, Deduct	-6.35	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0030	SY		VAST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.85	
			For >900 To 1,500, Deduct	-2.72	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.17	
			For >3,500, Deduct	-6.35	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0031	SY		TANGLE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.87	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.01	
			For >600 To 900, Deduct	-1.89	
			For >900 To 1,500, Deduct	-2.78	
			For >1,500 To 2,200, Deduct	-4.07	
			For >2,200 To 3,500, Deduct	-5.27	
			For >3,500, Deduct	-6.47	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	9
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 13 00-0032	SY TEMPT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.87		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.67		
	For >400 To 600, Deduct	-1.01		
	For >600 To 900, Deduct	-1.89		
	For >900 To 1,500, Deduct	-2.78		
	For >1,500 To 2,200, Deduct	-4.07		
	For >2,200 To 3,500, Deduct	-5.27		
	For >3,500, Deduct	-6.47		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0033	SY ENGAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.92		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.73		
	For >400 To 600, Deduct	-1.10		
	For >600 To 900, Deduct	-2.05		
	For >900 To 1,500, Deduct	-2.99		
	For >1,500 To 2,200, Deduct	-4.38		
	For >2,200 To 3,500, Deduct	-5.65		
	For >3,500, Deduct	-6.93		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0034	SY THINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	50.92		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.73		
	For >400 To 600, Deduct	-1.10		
	For >600 To 900, Deduct	-2.05		
	For >900 To 1,500, Deduct	-2.99		
	For >1,500 To 2,200, Deduct	-4.38		
	For >2,200 To 3,500, Deduct	-5.65		
	For >3,500, Deduct	-6.93		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0035	SY DIFFUSE 24" X 24" ECOLOGIX® ES 15 Ounce, Patterned, Nylon Carpet Tile.....	51.05		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.74		
	For >400 To 600, Deduct	-1.10		
	For >600 To 900, Deduct	-2.05		
	For >900 To 1,500, Deduct	-3.00		
	For >1,500 To 2,200, Deduct	-4.39		
	For >2,200 To 3,500, Deduct	-5.67		
	For >3,500, Deduct	-6.94		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0036	SY SCAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.73		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.71		
	For >400 To 600, Deduct	-1.06		
	For >600 To 900, Deduct	-1.99		
	For >900 To 1,500, Deduct	-2.91		
	For >1,500 To 2,200, Deduct	-4.26		
	For >2,200 To 3,500, Deduct	-5.50		
	For >3,500, Deduct	-6.75		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0037	SY REALM ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.83		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.71		
	For >400 To 600, Deduct	-1.07		
	For >600 To 900, Deduct	-1.99		
	For >900 To 1,500, Deduct	-2.92		
	For >1,500 To 2,200, Deduct	-4.27		
	For >2,200 To 3,500, Deduct	-5.52		
	For >3,500, Deduct	-6.76		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0038	SY SEA ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	45.24		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.62		
	For >400 To 600, Deduct	-0.93		
	For >600 To 900, Deduct	-1.76		
	For >900 To 1,500, Deduct	-2.60		
	For >1,500 To 2,200, Deduct	-3.81		
	For >2,200 To 3,500, Deduct	-4.94		
	For >3,500, Deduct	-6.07		
	For Cushioned Backed Tile, Add	4.79		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0039	SY		SEA EDGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	45.24	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.93	
			For >600 To 900, Deduct	-1.76	
			For >900 To 1,500, Deduct	-2.60	
			For >1,500 To 2,200, Deduct	-3.81	
			For >2,200 To 3,500, Deduct	-4.94	
			For >3,500, Deduct	-6.07	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0040	SY		SKY ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	45.24	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.93	
			For >600 To 900, Deduct	-1.76	
			For >900 To 1,500, Deduct	-2.60	
			For >1,500 To 2,200, Deduct	-3.81	
			For >2,200 To 3,500, Deduct	-4.94	
			For >3,500, Deduct	-6.07	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0041	SY		CENTRAL LINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.61	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.88	
			For >900 To 1,500, Deduct	-2.76	
			For >1,500 To 2,200, Deduct	-4.05	
			For >2,200 To 3,500, Deduct	-5.24	
			For >3,500, Deduct	-6.43	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0042	SY		CITY CENTRAL ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.61	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.88	
			For >900 To 1,500, Deduct	-2.76	
			For >1,500 To 2,200, Deduct	-4.05	
			For >2,200 To 3,500, Deduct	-5.24	
			For >3,500, Deduct	-6.43	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0043	SY		BOUNDLESS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.47	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.87	
			For >900 To 1,500, Deduct	-2.75	
			For >1,500 To 2,200, Deduct	-4.03	
			For >2,200 To 3,500, Deduct	-5.22	
			For >3,500, Deduct	-6.41	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0044	SY		SOURCE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.47	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.87	
			For >900 To 1,500, Deduct	-2.75	
			For >1,500 To 2,200, Deduct	-4.03	
			For >2,200 To 3,500, Deduct	-5.22	
			For >3,500, Deduct	-6.41	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0045	SY		UNDERTONE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.65	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.65	
			For >400 To 600, Deduct	-0.97	
			For >600 To 900, Deduct	-1.83	
			For >900 To 1,500, Deduct	-2.70	
			For >1,500 To 2,200, Deduct	-3.95	
			For >2,200 To 3,500, Deduct	-5.12	
			For >3,500, Deduct	-6.28	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0046	SY		HYBRID ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.97	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.01	
			For >600 To 900, Deduct	-1.90	
			For >900 To 1,500, Deduct	-2.79	
			For >1,500 To 2,200, Deduct	-4.08	
			For >2,200 To 3,500, Deduct	-5.28	
			For >3,500, Deduct	-6.48	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0047	SY		CATALYST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.97	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.01	
			For >600 To 900, Deduct	-1.90	
			For >900 To 1,500, Deduct	-2.79	
			For >1,500 To 2,200, Deduct	-4.08	
			For >2,200 To 3,500, Deduct	-5.28	
			For >3,500, Deduct	-6.48	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0048	SY		EMBARK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	47.71	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.89	
			For >900 To 1,500, Deduct	-2.77	
			For >1,500 To 2,200, Deduct	-4.06	
			For >2,200 To 3,500, Deduct	-5.25	
			For >3,500, Deduct	-6.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0049	SY		TINGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	48.17	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.68	
			For >400 To 600, Deduct	-1.02	
			For >600 To 900, Deduct	-1.91	
			For >900 To 1,500, Deduct	-2.80	
			For >1,500 To 2,200, Deduct	-4.10	
			For >2,200 To 3,500, Deduct	-5.31	
			For >3,500, Deduct	-6.51	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0050	SY		IMPACT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	48.65	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.69	
			For >400 To 600, Deduct	-1.03	
			For >600 To 900, Deduct	-1.93	
			For >900 To 1,500, Deduct	-2.84	
			For >1,500 To 2,200, Deduct	-4.15	
			For >2,200 To 3,500, Deduct	-5.37	
			For >3,500, Deduct	-6.58	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0051	SY		ALLURE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.65	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0052	SY		GLIMMER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.65	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0053	SY		SHINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	49.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.70	
			For >400 To 600, Deduct	-1.04	
			For >600 To 900, Deduct	-1.95	
			For >900 To 1,500, Deduct	-2.86	
			For >1,500 To 2,200, Deduct	-4.19	
			For >2,200 To 3,500, Deduct	-5.42	
			For >3,500, Deduct	-6.65	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0054	SY		BASALT II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	52.09	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.11	
			For >900 To 1,500, Deduct	-3.08	
			For >1,500 To 2,200, Deduct	-4.50	
			For >2,200 To 3,500, Deduct	-5.80	
			For >3,500, Deduct	-7.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0055	SY		FAULT LINES II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	52.09	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.11	
			For >900 To 1,500, Deduct	-3.08	
			For >1,500 To 2,200, Deduct	-4.50	
			For >2,200 To 3,500, Deduct	-5.80	
			For >3,500, Deduct	-7.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0056	SY		GRAVEL II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	52.09	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.11	
			For >900 To 1,500, Deduct	-3.08	
			For >1,500 To 2,200, Deduct	-4.50	
			For >2,200 To 3,500, Deduct	-5.80	
			For >3,500, Deduct	-7.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0057	SY		PAVERS II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	52.09	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.11	
			For >900 To 1,500, Deduct	-3.08	
			For >1,500 To 2,200, Deduct	-4.50	
			For >2,200 To 3,500, Deduct	-5.80	
			For >3,500, Deduct	-7.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0058	SY		CONNECT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	52.36	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.12	
			For >900 To 1,500, Deduct	-3.09	
			For >1,500 To 2,200, Deduct	-4.52	
			For >2,200 To 3,500, Deduct	-5.83	
			For >3,500, Deduct	-7.14	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0059	SY		FIELD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	50.80	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.73	
			For >400 To 600, Deduct	-1.10	
			For >600 To 900, Deduct	-2.04	
			For >900 To 1,500, Deduct	-2.99	
			For >1,500 To 2,200, Deduct	-4.37	
			For >2,200 To 3,500, Deduct	-5.64	
			For >3,500, Deduct	-6.91	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	2
Flooring			09 60	
Carpeting			09 68	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 68 13 00-0060	SY	BYLINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	51.22	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.74	
		For >400 To 600, Deduct	-1.11	
		For >600 To 900, Deduct	-2.06	
		For >900 To 1,500, Deduct	-3.02	
		For >1,500 To 2,200, Deduct	-4.41	
		For >2,200 To 3,500, Deduct	-5.69	
		For >3,500, Deduct	-6.97	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0061	SY	COLOR FORM 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.99	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.73	
		For >400 To 600, Deduct	-1.10	
		For >600 To 900, Deduct	-2.05	
		For >900 To 1,500, Deduct	-3.00	
		For >1,500 To 2,200, Deduct	-4.39	
		For >2,200 To 3,500, Deduct	-5.66	
		For >3,500, Deduct	-6.94	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0062	SY	LINAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.30	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.74	
		For >400 To 600, Deduct	-1.11	
		For >600 To 900, Deduct	-2.07	
		For >900 To 1,500, Deduct	-3.02	
		For >1,500 To 2,200, Deduct	-4.42	
		For >2,200 To 3,500, Deduct	-5.70	
		For >3,500, Deduct	-6.98	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0063	SY	LINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	51.30	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.74	
		For >400 To 600, Deduct	-1.11	
		For >600 To 900, Deduct	-2.07	
		For >900 To 1,500, Deduct	-3.02	
		For >1,500 To 2,200, Deduct	-4.42	
		For >2,200 To 3,500, Deduct	-5.70	
		For >3,500, Deduct	-6.98	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0064	SY	BALANCE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	56.45	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.84	
		For >400 To 600, Deduct	-1.27	
		For >600 To 900, Deduct	-2.32	
		For >900 To 1,500, Deduct	-3.38	
		For >1,500 To 2,200, Deduct	-4.93	
		For >2,200 To 3,500, Deduct	-6.34	
		For >3,500, Deduct	-7.75	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0065	SY	FOCUS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	56.85	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.85	
		For >400 To 600, Deduct	-1.28	
		For >600 To 900, Deduct	-2.34	
		For >900 To 1,500, Deduct	-3.41	
		For >1,500 To 2,200, Deduct	-4.97	
		For >2,200 To 3,500, Deduct	-6.39	
		For >3,500, Deduct	-7.81	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0066	SY	WANDER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	55.03	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.82	
		For >400 To 600, Deduct	-1.22	
		For >600 To 900, Deduct	-2.25	
		For >900 To 1,500, Deduct	-3.28	
		For >1,500 To 2,200, Deduct	-4.79	
		For >2,200 To 3,500, Deduct	-6.17	
		For >3,500, Deduct	-7.54	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0067	SY		EMOTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	55.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.25	
			For >600 To 900, Deduct	-2.30	
			For >900 To 1,500, Deduct	-3.35	
			For >1,500 To 2,200, Deduct	-4.88	
			For >2,200 To 3,500, Deduct	-6.28	
			For >3,500, Deduct	-7.68	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0068	SY		STRAIGHTFORWARD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile.....	56.65	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.85	
			For >400 To 600, Deduct	-1.27	
			For >600 To 900, Deduct	-2.33	
			For >900 To 1,500, Deduct	-3.40	
			For >1,500 To 2,200, Deduct	-4.95	
			For >2,200 To 3,500, Deduct	-6.37	
			For >3,500, Deduct	-7.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0069 18 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)					
09 68 13 00-0070	SY		BELONG ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	43.48	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.58	
			For >400 To 600, Deduct	-0.88	
			For >600 To 900, Deduct	-1.67	
			For >900 To 1,500, Deduct	-2.47	
			For >1,500 To 2,200, Deduct	-3.64	
			For >2,200 To 3,500, Deduct	-4.72	
			For >3,500, Deduct	-5.81	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0071	SY		EASE 9" X 36" ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile.....	47.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.85	
			For >900 To 1,500, Deduct	-2.72	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.17	
			For >3,500, Deduct	-6.34	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0072	SY		INTERLUDE ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile.....	47.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.98	
			For >600 To 900, Deduct	-1.85	
			For >900 To 1,500, Deduct	-2.72	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.17	
			For >3,500, Deduct	-6.34	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0073	SY		CHALET 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	47.66	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.67	
			For >400 To 600, Deduct	-1.00	
			For >600 To 900, Deduct	-1.88	
			For >900 To 1,500, Deduct	-2.77	
			For >1,500 To 2,200, Deduct	-4.05	
			For >2,200 To 3,500, Deduct	-5.24	
			For >3,500, Deduct	-6.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0074	SY		ANALOG 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	55.06	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.25	
			For >900 To 1,500, Deduct	-3.28	
			For >1,500 To 2,200, Deduct	-4.79	
			For >2,200 To 3,500, Deduct	-6.17	
			For >3,500, Deduct	-7.55	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	9
Flooring			09 60	
Carpeting			09 68	

MINOR		CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
09 68 13 00-0075	SY	DISTORT 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	55.06	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.82	
		For >400 To 600, Deduct	-1.22	
		For >600 To 900, Deduct	-2.25	
		For >900 To 1,500, Deduct	-3.28	
		For >1,500 To 2,200, Deduct	-4.79	
		For >2,200 To 3,500, Deduct	-6.17	
		For >3,500, Deduct	-7.55	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0076	SY	FRINGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.18	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.76	
		For >400 To 600, Deduct	-1.14	
		For >600 To 900, Deduct	-2.11	
		For >900 To 1,500, Deduct	-3.08	
		For >1,500 To 2,200, Deduct	-4.51	
		For >2,200 To 3,500, Deduct	-5.81	
		For >3,500, Deduct	-7.11	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0077	SY	GLITCH 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	55.06	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.82	
		For >400 To 600, Deduct	-1.22	
		For >600 To 900, Deduct	-2.25	
		For >900 To 1,500, Deduct	-3.28	
		For >1,500 To 2,200, Deduct	-4.79	
		For >2,200 To 3,500, Deduct	-6.17	
		For >3,500, Deduct	-7.55	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0078	SY	HAZE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.18	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.76	
		For >400 To 600, Deduct	-1.14	
		For >600 To 900, Deduct	-2.11	
		For >900 To 1,500, Deduct	-3.08	
		For >1,500 To 2,200, Deduct	-4.51	
		For >2,200 To 3,500, Deduct	-5.81	
		For >3,500, Deduct	-7.11	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0079	SY	MANIPULATE 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	55.06	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.82	
		For >400 To 600, Deduct	-1.22	
		For >600 To 900, Deduct	-2.25	
		For >900 To 1,500, Deduct	-3.28	
		For >1,500 To 2,200, Deduct	-4.79	
		For >2,200 To 3,500, Deduct	-6.17	
		For >3,500, Deduct	-7.55	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0080	SY	VAPOR ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.18	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.76	
		For >400 To 600, Deduct	-1.14	
		For >600 To 900, Deduct	-2.11	
		For >900 To 1,500, Deduct	-3.08	
		For >1,500 To 2,200, Deduct	-4.51	
		For >2,200 To 3,500, Deduct	-5.81	
		For >3,500, Deduct	-7.11	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0081	SY	CONSTRUCT ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.85	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.77	
		For >400 To 600, Deduct	-1.16	
		For >600 To 900, Deduct	-2.14	
		For >900 To 1,500, Deduct	-3.13	
		For >1,500 To 2,200, Deduct	-4.57	
		For >2,200 To 3,500, Deduct	-5.89	
		For >3,500, Deduct	-7.21	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0082	SY		COPY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.85	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.16	
			For >600 To 900, Deduct	-2.14	
			For >900 To 1,500, Deduct	-3.13	
			For >1,500 To 2,200, Deduct	-4.57	
			For >2,200 To 3,500, Deduct	-5.89	
			For >3,500, Deduct	-7.21	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0083	SY		ROTATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	52.85	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.16	
			For >600 To 900, Deduct	-2.14	
			For >900 To 1,500, Deduct	-3.13	
			For >1,500 To 2,200, Deduct	-4.57	
			For >2,200 To 3,500, Deduct	-5.89	
			For >3,500, Deduct	-7.21	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0084	SY		ACHROMATIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	52.83	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.16	
			For >600 To 900, Deduct	-2.14	
			For >900 To 1,500, Deduct	-3.13	
			For >1,500 To 2,200, Deduct	-4.57	
			For >2,200 To 3,500, Deduct	-5.89	
			For >3,500, Deduct	-7.21	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0085	SY		DUOTONE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	56.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.32	
			For >900 To 1,500, Deduct	-3.38	
			For >1,500 To 2,200, Deduct	-4.93	
			For >2,200 To 3,500, Deduct	-6.34	
			For >3,500, Deduct	-7.75	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0086	SY		SATURATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	56.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.32	
			For >900 To 1,500, Deduct	-3.38	
			For >1,500 To 2,200, Deduct	-4.93	
			For >2,200 To 3,500, Deduct	-6.34	
			For >3,500, Deduct	-7.75	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0087	SY		VALUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.32	
			For >900 To 1,500, Deduct	-3.38	
			For >1,500 To 2,200, Deduct	-4.93	
			For >2,200 To 3,500, Deduct	-6.34	
			For >3,500, Deduct	-7.75	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0088	SY		KINETIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	59.37	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.90	
			For >400 To 600, Deduct	-1.35	
			For >600 To 900, Deduct	-2.47	
			For >900 To 1,500, Deduct	-3.59	
			For >1,500 To 2,200, Deduct	-5.22	
			For >2,200 To 3,500, Deduct	-6.71	
			For >3,500, Deduct	-8.19	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	9
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 13 00-0089	SY IGNITE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	59.82		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.91		
	For >400 To 600, Deduct	-1.37		
	For >600 To 900, Deduct	-2.49		
	For >900 To 1,500, Deduct	-3.62		
	For >1,500 To 2,200, Deduct	-5.27		
	For >2,200 To 3,500, Deduct	-6.76		
	For >3,500, Deduct	-8.26		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0090	SY MERGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.83		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.93		
	For >400 To 600, Deduct	-1.40		
	For >600 To 900, Deduct	-2.54		
	For >900 To 1,500, Deduct	-3.69		
	For >1,500 To 2,200, Deduct	-5.37		
	For >2,200 To 3,500, Deduct	-6.89		
	For >3,500, Deduct	-8.41		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0091	SY MINIMAL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	60.83		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.93		
	For >400 To 600, Deduct	-1.40		
	For >600 To 900, Deduct	-2.54		
	For >900 To 1,500, Deduct	-3.69		
	For >1,500 To 2,200, Deduct	-5.37		
	For >2,200 To 3,500, Deduct	-6.89		
	For >3,500, Deduct	-8.41		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0092	SY DREAM ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	43.83		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.59		
	For >400 To 600, Deduct	-0.89		
	For >600 To 900, Deduct	-1.69		
	For >900 To 1,500, Deduct	-2.50		
	For >1,500 To 2,200, Deduct	-3.67		
	For >2,200 To 3,500, Deduct	-4.77		
	For >3,500, Deduct	-5.86		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0093	SY MEMORY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	44.08		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.60		
	For >400 To 600, Deduct	-0.89		
	For >600 To 900, Deduct	-1.70		
	For >900 To 1,500, Deduct	-2.52		
	For >1,500 To 2,200, Deduct	-3.70		
	For >2,200 To 3,500, Deduct	-4.80		
	For >3,500, Deduct	-5.90		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0094	SY CAPTIVATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	51.24		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.74		
	For >400 To 600, Deduct	-1.11		
	For >600 To 900, Deduct	-2.06		
	For >900 To 1,500, Deduct	-3.02		
	For >1,500 To 2,200, Deduct	-4.41		
	For >2,200 To 3,500, Deduct	-5.69		
	For >3,500, Deduct	-6.97		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0095	SY INTRIGUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	51.79		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.75		
	For >400 To 600, Deduct	-1.13		
	For >600 To 900, Deduct	-2.09		
	For >900 To 1,500, Deduct	-3.05		
	For >1,500 To 2,200, Deduct	-4.47		
	For >2,200 To 3,500, Deduct	-5.76		
	For >3,500, Deduct	-7.06		
	For Cushioned Backed Tile, Add	4.79		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0096	SY		MIRROR IMAGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	56.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.32	
			For >900 To 1,500, Deduct	-3.38	
			For >1,500 To 2,200, Deduct	-4.93	
			For >2,200 To 3,500, Deduct	-6.34	
			For >3,500, Deduct	-7.75	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0097	SY		PRISMA ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile.....	56.60	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.85	
			For >400 To 600, Deduct	-1.27	
			For >600 To 900, Deduct	-2.33	
			For >900 To 1,500, Deduct	-3.39	
			For >1,500 To 2,200, Deduct	-4.95	
			For >2,200 To 3,500, Deduct	-6.36	
			For >3,500, Deduct	-7.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0098 20 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)					
09 68 13 00-0099	SY		AWARE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	49.83	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.71	
			For >400 To 600, Deduct	-1.07	
			For >600 To 900, Deduct	-1.99	
			For >900 To 1,500, Deduct	-2.92	
			For >1,500 To 2,200, Deduct	-4.27	
			For >2,200 To 3,500, Deduct	-5.52	
			For >3,500, Deduct	-6.76	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0100	SY		CONSCIOUS 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	49.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.71	
			For >400 To 600, Deduct	-1.07	
			For >600 To 900, Deduct	-2.00	
			For >900 To 1,500, Deduct	-2.93	
			For >1,500 To 2,200, Deduct	-4.28	
			For >2,200 To 3,500, Deduct	-5.53	
			For >3,500, Deduct	-6.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0101	SY		INTENTION 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	49.62	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.71	
			For >400 To 600, Deduct	-1.06	
			For >600 To 900, Deduct	-1.98	
			For >900 To 1,500, Deduct	-2.90	
			For >1,500 To 2,200, Deduct	-4.25	
			For >2,200 To 3,500, Deduct	-5.49	
			For >3,500, Deduct	-6.73	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0102	SY		PRESENT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	49.83	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.71	
			For >400 To 600, Deduct	-1.07	
			For >600 To 900, Deduct	-1.99	
			For >900 To 1,500, Deduct	-2.92	
			For >1,500 To 2,200, Deduct	-4.27	
			For >2,200 To 3,500, Deduct	-5.52	
			For >3,500, Deduct	-6.76	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0103	SY		MOMENTUM IV ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	47.38	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.99	
			For >600 To 900, Deduct	-1.87	
			For >900 To 1,500, Deduct	-2.75	
			For >1,500 To 2,200, Deduct	-4.03	
			For >2,200 To 3,500, Deduct	-5.21	
			For >3,500, Deduct	-6.39	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	2
Flooring			09 60	
Carpeting			09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0104	SY		GRADIENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	52.12	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.11	
			For >900 To 1,500, Deduct	-3.08	
			For >1,500 To 2,200, Deduct	-4.50	
			For >2,200 To 3,500, Deduct	-5.80	
			For >3,500, Deduct	-7.11	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0105	SY		PETO II 20 ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	50.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.72	
			For >400 To 600, Deduct	-1.08	
			For >600 To 900, Deduct	-2.01	
			For >900 To 1,500, Deduct	-2.95	
			For >1,500 To 2,200, Deduct	-4.31	
			For >2,200 To 3,500, Deduct	-5.57	
			For >3,500, Deduct	-6.83	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0106	SY		FLAT WEAVE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	53.66	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.79	
			For >400 To 600, Deduct	-1.18	
			For >600 To 900, Deduct	-2.18	
			For >900 To 1,500, Deduct	-3.19	
			For >1,500 To 2,200, Deduct	-4.65	
			For >2,200 To 3,500, Deduct	-5.99	
			For >3,500, Deduct	-7.34	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0107	SY		HEDDLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.66	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.79	
			For >400 To 600, Deduct	-1.18	
			For >600 To 900, Deduct	-2.18	
			For >900 To 1,500, Deduct	-3.19	
			For >1,500 To 2,200, Deduct	-4.65	
			For >2,200 To 3,500, Deduct	-5.99	
			For >3,500, Deduct	-7.34	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0108	SY		CONVENE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	54.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.22	
			For >900 To 1,500, Deduct	-3.24	
			For >1,500 To 2,200, Deduct	-4.73	
			For >2,200 To 3,500, Deduct	-6.09	
			For >3,500, Deduct	-7.45	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0109	SY		ESTABLISH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	54.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.22	
			For >900 To 1,500, Deduct	-3.24	
			For >1,500 To 2,200, Deduct	-4.73	
			For >2,200 To 3,500, Deduct	-6.09	
			For >3,500, Deduct	-7.45	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0110	SY		SUPPORT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	54.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.22	
			For >900 To 1,500, Deduct	-3.24	
			For >1,500 To 2,200, Deduct	-4.73	
			For >2,200 To 3,500, Deduct	-6.09	
			For >3,500, Deduct	-7.45	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0111	SY		AWARE 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile.....	55.08	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.25	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.17	
			For >3,500, Deduct	-7.55	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0112	SY		CONSCIOUS 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile.....	54.73	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.81	
			For >400 To 600, Deduct	-1.21	
			For >600 To 900, Deduct	-2.24	
			For >900 To 1,500, Deduct	-3.26	
			For >1,500 To 2,200, Deduct	-4.76	
			For >2,200 To 3,500, Deduct	-6.13	
			For >3,500, Deduct	-7.50	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0113	SY		INTENTION 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile.....	54.89	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.81	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.25	
			For >900 To 1,500, Deduct	-3.27	
			For >1,500 To 2,200, Deduct	-4.78	
			For >2,200 To 3,500, Deduct	-6.15	
			For >3,500, Deduct	-7.52	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0114	SY		PRESENT 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile.....	55.08	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.25	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.17	
			For >3,500, Deduct	-7.55	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0115	SY		DASH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	55.51	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.28	
			For >900 To 1,500, Deduct	-3.32	
			For >1,500 To 2,200, Deduct	-4.84	
			For >2,200 To 3,500, Deduct	-6.23	
			For >3,500, Deduct	-7.61	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0116	SY		TRACK ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	55.51	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.28	
			For >900 To 1,500, Deduct	-3.32	
			For >1,500 To 2,200, Deduct	-4.84	
			For >2,200 To 3,500, Deduct	-6.23	
			For >3,500, Deduct	-7.61	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0117	SY		TURN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	55.51	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.28	
			For >900 To 1,500, Deduct	-3.32	
			For >1,500 To 2,200, Deduct	-4.84	
			For >2,200 To 3,500, Deduct	-6.23	
			For >3,500, Deduct	-7.61	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0118	SY		AUGMENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	52.74	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.15	
			For >600 To 900, Deduct	-2.14	
			For >900 To 1,500, Deduct	-3.12	
			For >1,500 To 2,200, Deduct	-4.56	
			For >2,200 To 3,500, Deduct	-5.88	
			For >3,500, Deduct	-7.20	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0119	SY		HYPE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	52.74	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.77	
			For >400 To 600, Deduct	-1.15	
			For >600 To 900, Deduct	-2.14	
			For >900 To 1,500, Deduct	-3.12	
			For >1,500 To 2,200, Deduct	-4.56	
			For >2,200 To 3,500, Deduct	-5.88	
			For >3,500, Deduct	-7.20	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0120	SY		SCULPT LOOP ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	56.65	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.85	
			For >400 To 600, Deduct	-1.27	
			For >600 To 900, Deduct	-2.33	
			For >900 To 1,500, Deduct	-3.40	
			For >1,500 To 2,200, Deduct	-4.95	
			For >2,200 To 3,500, Deduct	-6.37	
			For >3,500, Deduct	-7.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0121	SY		ALIGN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	57.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.28	
			For >600 To 900, Deduct	-2.35	
			For >900 To 1,500, Deduct	-3.42	
			For >1,500 To 2,200, Deduct	-4.99	
			For >2,200 To 3,500, Deduct	-6.42	
			For >3,500, Deduct	-7.84	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0122	SY		SCULPT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.28	
			For >600 To 900, Deduct	-2.35	
			For >900 To 1,500, Deduct	-3.42	
			For >1,500 To 2,200, Deduct	-4.99	
			For >2,200 To 3,500, Deduct	-6.42	
			For >3,500, Deduct	-7.84	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0123	SY		TRACE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.05	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.28	
			For >600 To 900, Deduct	-2.35	
			For >900 To 1,500, Deduct	-3.42	
			For >1,500 To 2,200, Deduct	-4.99	
			For >2,200 To 3,500, Deduct	-6.42	
			For >3,500, Deduct	-7.84	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0124	SY		ABSORBED ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile.....	57.19	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.36	
			For >900 To 1,500, Deduct	-3.43	
			For >1,500 To 2,200, Deduct	-5.01	
			For >2,200 To 3,500, Deduct	-6.44	
			For >3,500, Deduct	-7.87	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0125	SY		VISIBLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.19	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.36	
			For >900 To 1,500, Deduct	-3.43	
			For >1,500 To 2,200, Deduct	-5.01	
			For >2,200 To 3,500, Deduct	-6.44	
			For >3,500, Deduct	-7.87	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0126	SY		VIBRANT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	54.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.22	
			For >900 To 1,500, Deduct	-3.24	
			For >1,500 To 2,200, Deduct	-4.73	
			For >2,200 To 3,500, Deduct	-6.09	
			For >3,500, Deduct	-7.45	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0127	SY		FINE POINT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.73	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.50	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0128	SY		LINEWEIGHT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.73	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.50	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0129	SY		STIPPLE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.73	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.50	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0130			22 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)		
09 68 13 00-0131	SY		REPARTEE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	51.43	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.74	
			For >400 To 600, Deduct	-1.12	
			For >600 To 900, Deduct	-2.07	
			For >900 To 1,500, Deduct	-3.03	
			For >1,500 To 2,200, Deduct	-4.43	
			For >2,200 To 3,500, Deduct	-5.72	
			For >3,500, Deduct	-7.00	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0132	SY		ENDLESS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	54.86	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.81	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.24	
			For >900 To 1,500, Deduct	-3.27	
			For >1,500 To 2,200, Deduct	-4.77	
			For >2,200 To 3,500, Deduct	-6.14	
			For >3,500, Deduct	-7.52	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 68 13 00-0133	SY OBSERVE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	54.86		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.81		
	For >400 To 600, Deduct	-1.22		
	For >600 To 900, Deduct	-2.24		
	For >900 To 1,500, Deduct	-3.27		
	For >1,500 To 2,200, Deduct	-4.77		
	For >2,200 To 3,500, Deduct	-6.14		
	For >3,500, Deduct	-7.52		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0134	SY RESPOND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	54.86		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.81		
	For >400 To 600, Deduct	-1.22		
	For >600 To 900, Deduct	-2.24		
	For >900 To 1,500, Deduct	-3.27		
	For >1,500 To 2,200, Deduct	-4.77		
	For >2,200 To 3,500, Deduct	-6.14		
	For >3,500, Deduct	-7.52		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0135	SY TRANSFORM ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	54.86		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.81		
	For >400 To 600, Deduct	-1.22		
	For >600 To 900, Deduct	-2.24		
	For >900 To 1,500, Deduct	-3.27		
	For >1,500 To 2,200, Deduct	-4.77		
	For >2,200 To 3,500, Deduct	-6.14		
	For >3,500, Deduct	-7.52		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0136	SY CHARISMA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	53.62		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.79		
	For >400 To 600, Deduct	-1.18		
	For >600 To 900, Deduct	-2.18		
	For >900 To 1,500, Deduct	-3.18		
	For >1,500 To 2,200, Deduct	-4.65		
	For >2,200 To 3,500, Deduct	-5.99		
	For >3,500, Deduct	-7.33		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0137	SY APPLIED ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	56.50		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.84		
	For >400 To 600, Deduct	-1.27		
	For >600 To 900, Deduct	-2.33		
	For >900 To 1,500, Deduct	-3.38		
	For >1,500 To 2,200, Deduct	-4.94		
	For >2,200 To 3,500, Deduct	-6.35		
	For >3,500, Deduct	-7.76		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0138	SY DWELLING ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	57.12		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.86		
	For >400 To 600, Deduct	-1.29		
	For >600 To 900, Deduct	-2.36		
	For >900 To 1,500, Deduct	-3.43		
	For >1,500 To 2,200, Deduct	-5.00		
	For >2,200 To 3,500, Deduct	-6.43		
	For >3,500, Deduct	-7.86		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0139	SY SHELTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	57.12		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.86		
	For >400 To 600, Deduct	-1.29		
	For >600 To 900, Deduct	-2.36		
	For >900 To 1,500, Deduct	-3.43		
	For >1,500 To 2,200, Deduct	-5.00		
	For >2,200 To 3,500, Deduct	-6.43		
	For >3,500, Deduct	-7.86		
	For Cushioned Backed Tile, Add	4.79		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0140	SY		EMBELLISH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	60.19	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.92	
			For >400 To 600, Deduct	-1.38	
			For >600 To 900, Deduct	-2.51	
			For >900 To 1,500, Deduct	-3.64	
			For >1,500 To 2,200, Deduct	-5.31	
			For >2,200 To 3,500, Deduct	-6.81	
			For >3,500, Deduct	-8.32	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0141	SY		BIAS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.75	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.51	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0142	SY		KASURI ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.75	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.51	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0143	SY		MESH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.75	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.30	
			For >600 To 900, Deduct	-2.39	
			For >900 To 1,500, Deduct	-3.47	
			For >1,500 To 2,200, Deduct	-5.06	
			For >2,200 To 3,500, Deduct	-6.51	
			For >3,500, Deduct	-7.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0144	SY		ACTIVITY ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.36	
			For >900 To 1,500, Deduct	-3.43	
			For >1,500 To 2,200, Deduct	-5.00	
			For >2,200 To 3,500, Deduct	-6.43	
			For >3,500, Deduct	-7.86	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0145	SY		REST ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.78	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.95	
			For >400 To 600, Deduct	-1.43	
			For >600 To 900, Deduct	-2.59	
			For >900 To 1,500, Deduct	-3.75	
			For >1,500 To 2,200, Deduct	-5.47	
			For >2,200 To 3,500, Deduct	-7.01	
			For >3,500, Deduct	-8.55	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0146	SY		UNWIND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	61.78	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.95	
			For >400 To 600, Deduct	-1.43	
			For >600 To 900, Deduct	-2.59	
			For >900 To 1,500, Deduct	-3.75	
			For >1,500 To 2,200, Deduct	-5.47	
			For >2,200 To 3,500, Deduct	-7.01	
			For >3,500, Deduct	-8.55	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 68 13 00-0147	SY	INTERACT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	62.02	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.96	
		For >400 To 600, Deduct	-1.43	
		For >600 To 900, Deduct	-2.60	
		For >900 To 1,500, Deduct	-3.77	
		For >1,500 To 2,200, Deduct	-5.49	
		For >2,200 To 3,500, Deduct	-7.04	
		For >3,500, Deduct	-8.59	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0148	SY	PAUSE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	62.37	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.96	
		For >400 To 600, Deduct	-1.44	
		For >600 To 900, Deduct	-2.62	
		For >900 To 1,500, Deduct	-3.80	
		For >1,500 To 2,200, Deduct	-5.52	
		For >2,200 To 3,500, Deduct	-7.08	
		For >3,500, Deduct	-8.64	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0149	SY	VANTAGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	62.37	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.96	
		For >400 To 600, Deduct	-1.44	
		For >600 To 900, Deduct	-2.62	
		For >900 To 1,500, Deduct	-3.80	
		For >1,500 To 2,200, Deduct	-5.52	
		For >2,200 To 3,500, Deduct	-7.08	
		For >3,500, Deduct	-8.64	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0150	SY	DRIFT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	63.98	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.99	
		For >400 To 600, Deduct	-1.49	
		For >600 To 900, Deduct	-2.70	
		For >900 To 1,500, Deduct	-3.91	
		For >1,500 To 2,200, Deduct	-5.69	
		For >2,200 To 3,500, Deduct	-7.28	
		For >3,500, Deduct	-8.88	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0151	SY	EXPAND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	63.73	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.99	
		For >400 To 600, Deduct	-1.48	
		For >600 To 900, Deduct	-2.69	
		For >900 To 1,500, Deduct	-3.89	
		For >1,500 To 2,200, Deduct	-5.66	
		For >2,200 To 3,500, Deduct	-7.25	
		For >3,500, Deduct	-8.85	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0152	SY	AGATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	64.79	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.01	
		For >400 To 600, Deduct	-1.52	
		For >600 To 900, Deduct	-2.74	
		For >900 To 1,500, Deduct	-3.96	
		For >1,500 To 2,200, Deduct	-5.77	
		For >2,200 To 3,500, Deduct	-7.39	
		For >3,500, Deduct	-9.01	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0153	SY	JASPER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	64.79	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.01	
		For >400 To 600, Deduct	-1.52	
		For >600 To 900, Deduct	-2.74	
		For >900 To 1,500, Deduct	-3.96	
		For >1,500 To 2,200, Deduct	-5.77	
		For >2,200 To 3,500, Deduct	-7.39	
		For >3,500, Deduct	-9.01	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0154	SY		MICA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	64.79	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.01	
			For >400 To 600, Deduct	-1.52	
			For >600 To 900, Deduct	-2.74	
			For >900 To 1,500, Deduct	-3.96	
			For >1,500 To 2,200, Deduct	-5.77	
			For >2,200 To 3,500, Deduct	-7.39	
			For >3,500, Deduct	-9.01	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0155	SY		QUARTZ ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	64.79	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.01	
			For >400 To 600, Deduct	-1.52	
			For >600 To 900, Deduct	-2.74	
			For >900 To 1,500, Deduct	-3.96	
			For >1,500 To 2,200, Deduct	-5.77	
			For >2,200 To 3,500, Deduct	-7.39	
			For >3,500, Deduct	-9.01	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0156	SY		VERTICAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile.....	66.86	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.05	
			For >400 To 600, Deduct	-1.58	
			For >600 To 900, Deduct	-2.84	
			For >900 To 1,500, Deduct	-4.11	
			For >1,500 To 2,200, Deduct	-5.97	
			For >2,200 To 3,500, Deduct	-7.64	
			For >3,500, Deduct	-9.32	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0157			24 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)		
09 68 13 00-0158	SY		CONSTELLATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	54.78	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.81	
			For >400 To 600, Deduct	-1.22	
			For >600 To 900, Deduct	-2.24	
			For >900 To 1,500, Deduct	-3.26	
			For >1,500 To 2,200, Deduct	-4.77	
			For >2,200 To 3,500, Deduct	-6.13	
			For >3,500, Deduct	-7.50	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0159	SY		OBSERVE COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	59.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.90	
			For >400 To 600, Deduct	-1.34	
			For >600 To 900, Deduct	-2.45	
			For >900 To 1,500, Deduct	-3.56	
			For >1,500 To 2,200, Deduct	-5.19	
			For >2,200 To 3,500, Deduct	-6.67	
			For >3,500, Deduct	-8.14	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0160	SY		RESPOND COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	59.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.90	
			For >400 To 600, Deduct	-1.34	
			For >600 To 900, Deduct	-2.45	
			For >900 To 1,500, Deduct	-3.56	
			For >1,500 To 2,200, Deduct	-5.19	
			For >2,200 To 3,500, Deduct	-6.67	
			For >3,500, Deduct	-8.14	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0161	SY		TRANSFORM COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	59.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.90	
			For >400 To 600, Deduct	-1.34	
			For >600 To 900, Deduct	-2.45	
			For >900 To 1,500, Deduct	-3.56	
			For >1,500 To 2,200, Deduct	-5.19	
			For >2,200 To 3,500, Deduct	-6.67	
			For >3,500, Deduct	-8.14	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	2
Flooring			09 60	
Carpeting			09 68	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 68 13 00-0162	SY	FOUNDATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	59.34	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.90	
		For >400 To 600, Deduct	-1.35	
		For >600 To 900, Deduct	-2.47	
		For >900 To 1,500, Deduct	-3.58	
		For >1,500 To 2,200, Deduct	-5.22	
		For >2,200 To 3,500, Deduct	-6.70	
		For >3,500, Deduct	-8.19	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0163	SY	BLOX ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	56.01	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.84	
		For >400 To 600, Deduct	-1.25	
		For >600 To 900, Deduct	-2.30	
		For >900 To 1,500, Deduct	-3.35	
		For >1,500 To 2,200, Deduct	-4.89	
		For >2,200 To 3,500, Deduct	-6.29	
		For >3,500, Deduct	-7.69	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0164	SY	KUSA ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	59.17	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.90	
		For >400 To 600, Deduct	-1.35	
		For >600 To 900, Deduct	-2.46	
		For >900 To 1,500, Deduct	-3.57	
		For >1,500 To 2,200, Deduct	-5.20	
		For >2,200 To 3,500, Deduct	-6.68	
		For >3,500, Deduct	-8.16	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0165	SY	BLOCK PRINT ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.44	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.98	
		For >400 To 600, Deduct	-1.48	
		For >600 To 900, Deduct	-2.67	
		For >900 To 1,500, Deduct	-3.87	
		For >1,500 To 2,200, Deduct	-5.63	
		For >2,200 To 3,500, Deduct	-7.22	
		For >3,500, Deduct	-8.80	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0166	SY	FADE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.10	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.98	
		For >400 To 600, Deduct	-1.47	
		For >600 To 900, Deduct	-2.66	
		For >900 To 1,500, Deduct	-3.85	
		For >1,500 To 2,200, Deduct	-5.60	
		For >2,200 To 3,500, Deduct	-7.17	
		For >3,500, Deduct	-8.75	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0167	SY	OVERLAY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.10	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.98	
		For >400 To 600, Deduct	-1.47	
		For >600 To 900, Deduct	-2.66	
		For >900 To 1,500, Deduct	-3.85	
		For >1,500 To 2,200, Deduct	-5.60	
		For >2,200 To 3,500, Deduct	-7.17	
		For >3,500, Deduct	-8.75	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0168	SY	BLUR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.10	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.98	
		For >400 To 600, Deduct	-1.47	
		For >600 To 900, Deduct	-2.66	
		For >900 To 1,500, Deduct	-3.85	
		For >1,500 To 2,200, Deduct	-5.60	
		For >2,200 To 3,500, Deduct	-7.17	
		For >3,500, Deduct	-8.75	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0169	SY		EXPOSE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.98	
			For >400 To 600, Deduct	-1.47	
			For >600 To 900, Deduct	-2.66	
			For >900 To 1,500, Deduct	-3.86	
			For >1,500 To 2,200, Deduct	-5.61	
			For >2,200 To 3,500, Deduct	-7.19	
			For >3,500, Deduct	-8.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0170	SY		UNCOVER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.98	
			For >400 To 600, Deduct	-1.47	
			For >600 To 900, Deduct	-2.66	
			For >900 To 1,500, Deduct	-3.86	
			For >1,500 To 2,200, Deduct	-5.61	
			For >2,200 To 3,500, Deduct	-7.19	
			For >3,500, Deduct	-8.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0171	SY		EXPLORE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile.....	63.76	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.99	
			For >400 To 600, Deduct	-1.49	
			For >600 To 900, Deduct	-2.69	
			For >900 To 1,500, Deduct	-3.89	
			For >1,500 To 2,200, Deduct	-5.66	
			For >2,200 To 3,500, Deduct	-7.26	
			For >3,500, Deduct	-8.85	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0172	SY		LINGER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.98	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.99	
			For >400 To 600, Deduct	-1.49	
			For >600 To 900, Deduct	-2.70	
			For >900 To 1,500, Deduct	-3.91	
			For >1,500 To 2,200, Deduct	-5.69	
			For >2,200 To 3,500, Deduct	-7.28	
			For >3,500, Deduct	-8.88	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0173	SY		RENEW ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.76	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.99	
			For >400 To 600, Deduct	-1.49	
			For >600 To 900, Deduct	-2.69	
			For >900 To 1,500, Deduct	-3.89	
			For >1,500 To 2,200, Deduct	-5.66	
			For >2,200 To 3,500, Deduct	-7.26	
			For >3,500, Deduct	-8.85	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0174	SY		FOLDED ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.22	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.08	
			For >400 To 600, Deduct	-1.62	
			For >600 To 900, Deduct	-2.91	
			For >900 To 1,500, Deduct	-4.21	
			For >1,500 To 2,200, Deduct	-6.11	
			For >2,200 To 3,500, Deduct	-7.81	
			For >3,500, Deduct	-9.52	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0175	SY		FOLDED EDGE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.07	
			For >400 To 600, Deduct	-1.61	
			For >600 To 900, Deduct	-2.90	
			For >900 To 1,500, Deduct	-4.19	
			For >1,500 To 2,200, Deduct	-6.08	
			For >2,200 To 3,500, Deduct	-7.78	
			For >3,500, Deduct	-9.48	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	2
		Flooring	09 60	
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0176	SY		IDENTITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	73.20	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.55	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.27	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0177 26 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)					
09 68 13 00-0178	SY		PETO II 26 ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	55.20	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.23	
			For >600 To 900, Deduct	-2.26	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.81	
			For >2,200 To 3,500, Deduct	-6.19	
			For >3,500, Deduct	-7.57	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0179	SY		BRILLIANCE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	59.02	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.90	
			For >400 To 600, Deduct	-1.34	
			For >600 To 900, Deduct	-2.45	
			For >900 To 1,500, Deduct	-3.56	
			For >1,500 To 2,200, Deduct	-5.19	
			For >2,200 To 3,500, Deduct	-6.66	
			For >3,500, Deduct	-8.14	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0180	SY		IMPRINT ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	62.46	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.96	
			For >400 To 600, Deduct	-1.45	
			For >600 To 900, Deduct	-2.62	
			For >900 To 1,500, Deduct	-3.80	
			For >1,500 To 2,200, Deduct	-5.53	
			For >2,200 To 3,500, Deduct	-7.09	
			For >3,500, Deduct	-8.66	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0181	SY		SKETCH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	62.60	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.97	
			For >400 To 600, Deduct	-1.45	
			For >600 To 900, Deduct	-2.63	
			For >900 To 1,500, Deduct	-3.81	
			For >1,500 To 2,200, Deduct	-5.55	
			For >2,200 To 3,500, Deduct	-7.11	
			For >3,500, Deduct	-8.68	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0182	SY		VEIL ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	62.60	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.97	
			For >400 To 600, Deduct	-1.45	
			For >600 To 900, Deduct	-2.63	
			For >900 To 1,500, Deduct	-3.81	
			For >1,500 To 2,200, Deduct	-5.55	
			For >2,200 To 3,500, Deduct	-7.11	
			For >3,500, Deduct	-8.68	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0183	SY		DISCOVER ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	62.19	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.96	
			For >400 To 600, Deduct	-1.44	
			For >600 To 900, Deduct	-2.61	
			For >900 To 1,500, Deduct	-3.78	
			For >1,500 To 2,200, Deduct	-5.51	
			For >2,200 To 3,500, Deduct	-7.06	
			For >3,500, Deduct	-8.62	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0184	SY		SEEK ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	62.19	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.96	
			For >400 To 600, Deduct	-1.44	
			For >600 To 900, Deduct	-2.61	
			For >900 To 1,500, Deduct	-3.78	
			For >1,500 To 2,200, Deduct	-5.51	
			For >2,200 To 3,500, Deduct	-7.06	
			For >3,500, Deduct	-8.62	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0185	SY		BOTAN ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	60.94	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.93	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.38	
			For >2,200 To 3,500, Deduct	-6.90	
			For >3,500, Deduct	-8.43	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0186	SY		HANA ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	60.94	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.93	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.38	
			For >2,200 To 3,500, Deduct	-6.90	
			For >3,500, Deduct	-8.43	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0187	SY		RELIEF ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	63.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.98	
			For >400 To 600, Deduct	-1.47	
			For >600 To 900, Deduct	-2.66	
			For >900 To 1,500, Deduct	-3.86	
			For >1,500 To 2,200, Deduct	-5.61	
			For >2,200 To 3,500, Deduct	-7.19	
			For >3,500, Deduct	-8.78	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0188	SY		DEPTH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	71.45	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.14	
			For >400 To 600, Deduct	-1.72	
			For >600 To 900, Deduct	-3.07	
			For >900 To 1,500, Deduct	-4.43	
			For >1,500 To 2,200, Deduct	-6.43	
			For >2,200 To 3,500, Deduct	-8.22	
			For >3,500, Deduct	-10.00	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0189	SY		ANGLE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	72.15	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.16	
			For >400 To 600, Deduct	-1.74	
			For >600 To 900, Deduct	-3.11	
			For >900 To 1,500, Deduct	-4.48	
			For >1,500 To 2,200, Deduct	-6.50	
			For >2,200 To 3,500, Deduct	-8.31	
			For >3,500, Deduct	-10.11	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0190	SY		HONEST ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	73.20	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.55	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.27	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	9
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 68 13 00-0191	SY SLAB ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	73.62		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.19		
	For >400 To 600, Deduct	-1.78		
	For >600 To 900, Deduct	-3.18		
	For >900 To 1,500, Deduct	-4.58		
	For >1,500 To 2,200, Deduct	-6.65		
	For >2,200 To 3,500, Deduct	-8.49		
	For >3,500, Deduct	-10.33		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0192	SY BASE HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	74.63		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.21		
	For >400 To 600, Deduct	-1.81		
	For >600 To 900, Deduct	-3.23		
	For >900 To 1,500, Deduct	-4.65		
	For >1,500 To 2,200, Deduct	-6.75		
	For >2,200 To 3,500, Deduct	-8.62		
	For >3,500, Deduct	-10.48		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0193	SY COLOR SHIFT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile.....	74.63		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.21		
	For >400 To 600, Deduct	-1.81		
	For >600 To 900, Deduct	-3.23		
	For >900 To 1,500, Deduct	-4.65		
	For >1,500 To 2,200, Deduct	-6.75		
	For >2,200 To 3,500, Deduct	-8.62		
	For >3,500, Deduct	-10.48		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0194	SY CONTACT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	74.63		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.21		
	For >400 To 600, Deduct	-1.81		
	For >600 To 900, Deduct	-3.23		
	For >900 To 1,500, Deduct	-4.65		
	For >1,500 To 2,200, Deduct	-6.75		
	For >2,200 To 3,500, Deduct	-8.62		
	For >3,500, Deduct	-10.48		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0195	SY BEVEL HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	86.01		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.44		
	For >400 To 600, Deduct	-2.15		
	For >600 To 900, Deduct	-3.80		
	For >900 To 1,500, Deduct	-5.45		
	For >1,500 To 2,200, Deduct	-7.89		
	For >2,200 To 3,500, Deduct	-10.04		
	For >3,500, Deduct	-12.19		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0196	28 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)			
09 68 13 00-0197	SY RICHE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	62.06		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.96		
	For >400 To 600, Deduct	-1.43		
	For >600 To 900, Deduct	-2.60		
	For >900 To 1,500, Deduct	-3.77		
	For >1,500 To 2,200, Deduct	-5.49		
	For >2,200 To 3,500, Deduct	-7.04		
	For >3,500, Deduct	-8.60		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0198	SY CORDED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	62.71		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.97		
	For >400 To 600, Deduct	-1.45		
	For >600 To 900, Deduct	-2.64		
	For >900 To 1,500, Deduct	-3.82		
	For >1,500 To 2,200, Deduct	-5.56		
	For >2,200 To 3,500, Deduct	-7.13		
	For >3,500, Deduct	-8.69		
	For Cushioned Backed Tile, Add	4.79		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0199	SY		PATH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	68.11	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.08	
			For >400 To 600, Deduct	-1.62	
			For >600 To 900, Deduct	-2.91	
			For >900 To 1,500, Deduct	-4.20	
			For >1,500 To 2,200, Deduct	-6.10	
			For >2,200 To 3,500, Deduct	-7.80	
			For >3,500, Deduct	-9.50	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0200	SY		PORTAL ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	68.11	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.08	
			For >400 To 600, Deduct	-1.62	
			For >600 To 900, Deduct	-2.91	
			For >900 To 1,500, Deduct	-4.20	
			For >1,500 To 2,200, Deduct	-6.10	
			For >2,200 To 3,500, Deduct	-7.80	
			For >3,500, Deduct	-9.50	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0201	SY		KNIT ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	67.61	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.07	
			For >400 To 600, Deduct	-1.60	
			For >600 To 900, Deduct	-2.88	
			For >900 To 1,500, Deduct	-4.16	
			For >1,500 To 2,200, Deduct	-6.05	
			For >2,200 To 3,500, Deduct	-7.74	
			For >3,500, Deduct	-9.43	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0202	SY		DECOR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	68.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.08	
			For >400 To 600, Deduct	-1.62	
			For >600 To 900, Deduct	-2.92	
			For >900 To 1,500, Deduct	-4.22	
			For >1,500 To 2,200, Deduct	-6.13	
			For >2,200 To 3,500, Deduct	-7.84	
			For >3,500, Deduct	-9.55	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0203	SY		CHAIN STITCH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	64.52	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.01	
			For >400 To 600, Deduct	-1.51	
			For >600 To 900, Deduct	-2.73	
			For >900 To 1,500, Deduct	-3.95	
			For >1,500 To 2,200, Deduct	-5.74	
			For >2,200 To 3,500, Deduct	-7.35	
			For >3,500, Deduct	-8.97	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0204	SY		AFFLUENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	68.42	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.08	
			For >400 To 600, Deduct	-1.62	
			For >600 To 900, Deduct	-2.92	
			For >900 To 1,500, Deduct	-4.22	
			For >1,500 To 2,200, Deduct	-6.13	
			For >2,200 To 3,500, Deduct	-7.84	
			For >3,500, Deduct	-9.55	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0205	SY		BACK WEAVE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	69.59	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.11	
			For >400 To 600, Deduct	-1.66	
			For >600 To 900, Deduct	-2.98	
			For >900 To 1,500, Deduct	-4.30	
			For >1,500 To 2,200, Deduct	-6.25	
			For >2,200 To 3,500, Deduct	-7.99	
			For >3,500, Deduct	-9.73	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	2
Flooring			09 60	
Carpeting			09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0206	SY		EXCHANGE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	69.59	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.11	
			For >400 To 600, Deduct	-1.66	
			For >600 To 900, Deduct	-2.98	
			For >900 To 1,500, Deduct	-4.30	
			For >1,500 To 2,200, Deduct	-6.25	
			For >2,200 To 3,500, Deduct	-7.99	
			For >3,500, Deduct	-9.73	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0207	SY		KNOTTED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	69.59	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.11	
			For >400 To 600, Deduct	-1.66	
			For >600 To 900, Deduct	-2.98	
			For >900 To 1,500, Deduct	-4.30	
			For >1,500 To 2,200, Deduct	-6.25	
			For >2,200 To 3,500, Deduct	-7.99	
			For >3,500, Deduct	-9.73	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0208	SY		PROCESS ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	69.59	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.11	
			For >400 To 600, Deduct	-1.66	
			For >600 To 900, Deduct	-2.98	
			For >900 To 1,500, Deduct	-4.30	
			For >1,500 To 2,200, Deduct	-6.25	
			For >2,200 To 3,500, Deduct	-7.99	
			For >3,500, Deduct	-9.73	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0209	SY		CHECK ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	71.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.15	
			For >400 To 600, Deduct	-1.73	
			For >600 To 900, Deduct	-3.10	
			For >900 To 1,500, Deduct	-4.47	
			For >1,500 To 2,200, Deduct	-6.48	
			For >2,200 To 3,500, Deduct	-8.28	
			For >3,500, Deduct	-10.08	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0210	SY		HOUNDSTOOTH 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	71.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.15	
			For >400 To 600, Deduct	-1.73	
			For >600 To 900, Deduct	-3.10	
			For >900 To 1,500, Deduct	-4.47	
			For >1,500 To 2,200, Deduct	-6.48	
			For >2,200 To 3,500, Deduct	-8.28	
			For >3,500, Deduct	-10.08	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0211	SY		JACQUARD 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	71.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.15	
			For >400 To 600, Deduct	-1.73	
			For >600 To 900, Deduct	-3.10	
			For >900 To 1,500, Deduct	-4.47	
			For >1,500 To 2,200, Deduct	-6.48	
			For >2,200 To 3,500, Deduct	-8.28	
			For >3,500, Deduct	-10.08	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0212	SY		TEX28 Ounce, Patterned, Nylon Carpet Tile 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	71.95	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.15	
			For >400 To 600, Deduct	-1.73	
			For >600 To 900, Deduct	-3.10	
			For >900 To 1,500, Deduct	-4.47	
			For >1,500 To 2,200, Deduct	-6.48	
			For >2,200 To 3,500, Deduct	-8.28	
			For >3,500, Deduct	-10.08	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0213	SY		BATIK 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.25	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.56	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.27	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0214	SY		IKAT 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	73.62	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.19	
			For >400 To 600, Deduct	-1.78	
			For >600 To 900, Deduct	-3.18	
			For >900 To 1,500, Deduct	-4.58	
			For >1,500 To 2,200, Deduct	-6.65	
			For >2,200 To 3,500, Deduct	-8.49	
			For >3,500, Deduct	-10.33	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0215	SY		LINEN 28 Ounce, Patterned, Nylon Carpet Tile ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	73.62	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.19	
			For >400 To 600, Deduct	-1.78	
			For >600 To 900, Deduct	-3.18	
			For >900 To 1,500, Deduct	-4.58	
			For >1,500 To 2,200, Deduct	-6.65	
			For >2,200 To 3,500, Deduct	-8.49	
			For >3,500, Deduct	-10.33	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0216	SY		PRESENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	76.75	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.25	
			For >400 To 600, Deduct	-1.87	
			For >600 To 900, Deduct	-3.34	
			For >900 To 1,500, Deduct	-4.80	
			For >1,500 To 2,200, Deduct	-6.96	
			For >2,200 To 3,500, Deduct	-8.88	
			For >3,500, Deduct	-10.80	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0217	SY		STILL LIFE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	76.75	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.25	
			For >400 To 600, Deduct	-1.87	
			For >600 To 900, Deduct	-3.34	
			For >900 To 1,500, Deduct	-4.80	
			For >1,500 To 2,200, Deduct	-6.96	
			For >2,200 To 3,500, Deduct	-8.88	
			For >3,500, Deduct	-10.80	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0218	SY		FAMILIAR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	73.20	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.55	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.27	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0219	SY		HONED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile.....	73.62	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.19	
			For >400 To 600, Deduct	-1.78	
			For >600 To 900, Deduct	-3.18	
			For >900 To 1,500, Deduct	-4.58	
			For >1,500 To 2,200, Deduct	-6.65	
			For >2,200 To 3,500, Deduct	-8.49	
			For >3,500, Deduct	-10.33	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	2
		Flooring	09 60	
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0220	SY		FORM ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	80.39	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.32	
			For >400 To 600, Deduct	-1.98	
			For >600 To 900, Deduct	-3.52	
			For >900 To 1,500, Deduct	-5.06	
			For >1,500 To 2,200, Deduct	-7.33	
			For >2,200 To 3,500, Deduct	-9.34	
			For >3,500, Deduct	-11.35	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0221 30 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)				63.16	5.82
09 68 13 00-0222	SY		GLITZ ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	63.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.98	
			For >400 To 600, Deduct	-1.47	
			For >600 To 900, Deduct	-2.66	
			For >900 To 1,500, Deduct	-3.85	
			For >1,500 To 2,200, Deduct	-5.60	
			For >2,200 To 3,500, Deduct	-7.18	
			For >3,500, Deduct	-8.76	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0223	SY		LUMINOSITY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile.....	64.20	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.00	
			For >400 To 600, Deduct	-1.50	
			For >600 To 900, Deduct	-2.71	
			For >900 To 1,500, Deduct	-3.92	
			For >1,500 To 2,200, Deduct	-5.71	
			For >2,200 To 3,500, Deduct	-7.31	
			For >3,500, Deduct	-8.92	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0224	SY		RADIANCE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	61.30	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.94	
			For >400 To 600, Deduct	-1.41	
			For >600 To 900, Deduct	-2.57	
			For >900 To 1,500, Deduct	-3.72	
			For >1,500 To 2,200, Deduct	-5.42	
			For >2,200 To 3,500, Deduct	-6.95	
			For >3,500, Deduct	-8.48	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0225	SY		TAPESTRY 18" X 36" ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile.....	73.41	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.17	
			For >900 To 1,500, Deduct	-4.57	
			For >1,500 To 2,200, Deduct	-6.63	
			For >2,200 To 3,500, Deduct	-8.46	
			For >3,500, Deduct	-10.30	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0226	SY		BEYOND ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	80.10	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.32	
			For >400 To 600, Deduct	-1.98	
			For >600 To 900, Deduct	-3.51	
			For >900 To 1,500, Deduct	-5.04	
			For >1,500 To 2,200, Deduct	-7.30	
			For >2,200 To 3,500, Deduct	-9.30	
			For >3,500, Deduct	-11.30	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0227	SY		EXPANSE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile.....	80.10	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.32	
			For >400 To 600, Deduct	-1.98	
			For >600 To 900, Deduct	-3.51	
			For >900 To 1,500, Deduct	-5.04	
			For >1,500 To 2,200, Deduct	-7.30	
			For >2,200 To 3,500, Deduct	-9.30	
			For >3,500, Deduct	-11.30	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0228	SY		ALCHEMY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	80.39	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.32	
			For >400 To 600, Deduct	-1.98	
			For >600 To 900, Deduct	-3.52	
			For >900 To 1,500, Deduct	-5.06	
			For >1,500 To 2,200, Deduct	-7.33	
			For >2,200 To 3,500, Deduct	-9.34	
			For >3,500, Deduct	-11.35	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0229	SY		CREATE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	81.85	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.35	
			For >400 To 600, Deduct	-2.03	
			For >600 To 900, Deduct	-3.59	
			For >900 To 1,500, Deduct	-5.16	
			For >1,500 To 2,200, Deduct	-7.47	
			For >2,200 To 3,500, Deduct	-9.52	
			For >3,500, Deduct	-11.56	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0230			32 Ounce, Patterned, Nylon Carpet Tile (09 68 13 00-0002)		
09 68 13 00-0231	SY		ENTWINE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	65.32	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.02	
			For >400 To 600, Deduct	-1.53	
			For >600 To 900, Deduct	-2.77	
			For >900 To 1,500, Deduct	-4.00	
			For >1,500 To 2,200, Deduct	-5.82	
			For >2,200 To 3,500, Deduct	-7.45	
			For >3,500, Deduct	-9.09	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0232	SY		INGRAIN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	65.98	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.03	
			For >400 To 600, Deduct	-1.55	
			For >600 To 900, Deduct	-2.80	
			For >900 To 1,500, Deduct	-4.05	
			For >1,500 To 2,200, Deduct	-5.89	
			For >2,200 To 3,500, Deduct	-7.53	
			For >3,500, Deduct	-9.18	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0233	SY		EARTH TONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	66.82	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.05	
			For >400 To 600, Deduct	-1.58	
			For >600 To 900, Deduct	-2.84	
			For >900 To 1,500, Deduct	-4.11	
			For >1,500 To 2,200, Deduct	-5.97	
			For >2,200 To 3,500, Deduct	-7.64	
			For >3,500, Deduct	-9.31	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0234	SY		REFLECT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	86.96	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.45	
			For >400 To 600, Deduct	-2.18	
			For >600 To 900, Deduct	-3.85	
			For >900 To 1,500, Deduct	-5.52	
			For >1,500 To 2,200, Deduct	-7.98	
			For >2,200 To 3,500, Deduct	-10.16	
			For >3,500, Deduct	-12.33	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0235	SY		RESURFACE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	70.25	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.12	
			For >400 To 600, Deduct	-1.68	
			For >600 To 900, Deduct	-3.01	
			For >900 To 1,500, Deduct	-4.35	
			For >1,500 To 2,200, Deduct	-6.31	
			For >2,200 To 3,500, Deduct	-8.07	
			For >3,500, Deduct	-9.82	
			For Cushioned Backed Tile, Add	4.79	



Finishes			09	2
Flooring			09 60	
Carpeting			09 68	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 68 13 00-0236	SY	BLEND ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile.....	76.13	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.24	
		For >400 To 600, Deduct	-1.86	
		For >600 To 900, Deduct	-3.31	
		For >900 To 1,500, Deduct	-4.76	
		For >1,500 To 2,200, Deduct	-6.90	
		For >2,200 To 3,500, Deduct	-8.80	
		For >3,500, Deduct	-10.71	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0237	SY	HINT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	76.13	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.24	
		For >400 To 600, Deduct	-1.86	
		For >600 To 900, Deduct	-3.31	
		For >900 To 1,500, Deduct	-4.76	
		For >1,500 To 2,200, Deduct	-6.90	
		For >2,200 To 3,500, Deduct	-8.80	
		For >3,500, Deduct	-10.71	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0238	SY	ORNATE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile.....	76.69	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.25	
		For >400 To 600, Deduct	-1.87	
		For >600 To 900, Deduct	-3.34	
		For >900 To 1,500, Deduct	-4.80	
		For >1,500 To 2,200, Deduct	-6.96	
		For >2,200 To 3,500, Deduct	-8.87	
		For >3,500, Deduct	-10.79	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0239	SY	RETHREAD ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile.....	76.69	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.25	
		For >400 To 600, Deduct	-1.87	
		For >600 To 900, Deduct	-3.34	
		For >900 To 1,500, Deduct	-4.80	
		For >1,500 To 2,200, Deduct	-6.96	
		For >2,200 To 3,500, Deduct	-8.87	
		For >3,500, Deduct	-10.79	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0240	SY	TECHNIQUE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	76.13	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.24	
		For >400 To 600, Deduct	-1.86	
		For >600 To 900, Deduct	-3.31	
		For >900 To 1,500, Deduct	-4.76	
		For >1,500 To 2,200, Deduct	-6.90	
		For >2,200 To 3,500, Deduct	-8.80	
		For >3,500, Deduct	-10.71	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0241	SY	VANISH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	76.13	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.24	
		For >400 To 600, Deduct	-1.86	
		For >600 To 900, Deduct	-3.31	
		For >900 To 1,500, Deduct	-4.76	
		For >1,500 To 2,200, Deduct	-6.90	
		For >2,200 To 3,500, Deduct	-8.80	
		For >3,500, Deduct	-10.71	
		For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0242	SY	ZONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile.....	74.06	5.82
		For Up To 15, Add	2.85	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-1.20	
		For >400 To 600, Deduct	-1.79	
		For >600 To 900, Deduct	-3.20	
		For >900 To 1,500, Deduct	-4.61	
		For >1,500 To 2,200, Deduct	-6.69	
		For >2,200 To 3,500, Deduct	-8.54	
		For >3,500, Deduct	-10.40	
		For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0243	SY		DYE LAB ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	84.25	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.40	
			For >400 To 600, Deduct	-2.10	
			For >600 To 900, Deduct	-3.71	
			For >900 To 1,500, Deduct	-5.33	
			For >1,500 To 2,200, Deduct	-7.71	
			For >2,200 To 3,500, Deduct	-9.82	
			For >3,500, Deduct	-11.92	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0244	SY		KIT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	91.07	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.54	
			For >400 To 600, Deduct	-2.30	
			For >600 To 900, Deduct	-4.05	
			For >900 To 1,500, Deduct	-5.80	
			For >1,500 To 2,200, Deduct	-8.39	
			For >2,200 To 3,500, Deduct	-10.67	
			For >3,500, Deduct	-12.95	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0245	SY		ARTISAN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	93.34	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.58	
			For >400 To 600, Deduct	-2.37	
			For >600 To 900, Deduct	-4.17	
			For >900 To 1,500, Deduct	-5.96	
			For >1,500 To 2,200, Deduct	-8.62	
			For >2,200 To 3,500, Deduct	-10.95	
			For >3,500, Deduct	-13.29	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0246	SY		CLOTH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	94.40	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.60	
			For >400 To 600, Deduct	-2.40	
			For >600 To 900, Deduct	-4.22	
			For >900 To 1,500, Deduct	-6.04	
			For >1,500 To 2,200, Deduct	-8.73	
			For >2,200 To 3,500, Deduct	-11.09	
			For >3,500, Deduct	-13.45	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0247	SY		PLAIN WEAVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	88.01	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.48	
			For >400 To 600, Deduct	-2.21	
			For >600 To 900, Deduct	-3.90	
			For >900 To 1,500, Deduct	-5.59	
			For >1,500 To 2,200, Deduct	-8.09	
			For >2,200 To 3,500, Deduct	-10.29	
			For >3,500, Deduct	-12.49	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0248	SY		ENTREE ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	73.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.56	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.28	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0249	SY		WELCOME II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	71.50	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.14	
			For >400 To 600, Deduct	-1.72	
			For >600 To 900, Deduct	-3.08	
			For >900 To 1,500, Deduct	-4.43	
			For >1,500 To 2,200, Deduct	-6.44	
			For >2,200 To 3,500, Deduct	-8.22	
			For >3,500, Deduct	-10.01	
			For Cushioned Backed Tile, Add	4.79	



		Finishes	09	9
		Flooring	09 60	
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0250	SY		BON JOUR II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile.....	73.26	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.18	
			For >400 To 600, Deduct	-1.77	
			For >600 To 900, Deduct	-3.16	
			For >900 To 1,500, Deduct	-4.56	
			For >1,500 To 2,200, Deduct	-6.61	
			For >2,200 To 3,500, Deduct	-8.44	
			For >3,500, Deduct	-10.28	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0251			Non-Patterned Carpet Tiles (Shaw) (09 68 13 00-0001)		
09 68 13 00-0252			18 Ounce, Non-Patterned, Nylon Carpet Tile (09 68 13 00-0251)		
09 68 13 00-0253	SY		COLOR FRAME ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile.....	51.40	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.74	
			For >400 To 600, Deduct	-1.11	
			For >600 To 900, Deduct	-2.07	
			For >900 To 1,500, Deduct	-3.03	
			For >1,500 To 2,200, Deduct	-4.43	
			For >2,200 To 3,500, Deduct	-5.71	
			For >3,500, Deduct	-7.00	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0254	SY		COLOR PLAY ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile.....	58.74	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.89	
			For >400 To 600, Deduct	-1.33	
			For >600 To 900, Deduct	-2.44	
			For >900 To 1,500, Deduct	-3.54	
			For >1,500 To 2,200, Deduct	-5.16	
			For >2,200 To 3,500, Deduct	-6.63	
			For >3,500, Deduct	-8.10	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0255			20 Ounce, Non-Patterned, Nylon Carpet Tile (09 68 13 00-0251)		
09 68 13 00-0256	SY		CURVE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile.....	55.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.23	
			For >600 To 900, Deduct	-2.26	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.18	
			For >3,500, Deduct	-7.56	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0257	SY		DIAGONAL ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile.....	55.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.23	
			For >600 To 900, Deduct	-2.26	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.18	
			For >3,500, Deduct	-7.56	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0258	SY		POINT ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile.....	55.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.23	
			For >600 To 900, Deduct	-2.26	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.18	
			For >3,500, Deduct	-7.56	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0259	SY		SQUARE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile.....	55.16	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.82	
			For >400 To 600, Deduct	-1.23	
			For >600 To 900, Deduct	-2.26	
			For >900 To 1,500, Deduct	-3.29	
			For >1,500 To 2,200, Deduct	-4.80	
			For >2,200 To 3,500, Deduct	-6.18	
			For >3,500, Deduct	-7.56	
			For Cushioned Backed Tile, Add	4.79	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0260	SY		ADVANCE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile.....	55.51	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.83	
			For >400 To 600, Deduct	-1.24	
			For >600 To 900, Deduct	-2.28	
			For >900 To 1,500, Deduct	-3.32	
			For >1,500 To 2,200, Deduct	-4.84	
			For >2,200 To 3,500, Deduct	-6.23	
			For >3,500, Deduct	-7.61	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0261	SY		IMPRESSION I ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	61.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.94	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.39	
			For >2,200 To 3,500, Deduct	-6.92	
			For >3,500, Deduct	-8.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0262	SY		IMPRESSION II ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	61.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.94	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.39	
			For >2,200 To 3,500, Deduct	-6.92	
			For >3,500, Deduct	-8.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0263	SY		IMPRESSION III ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	61.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.94	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.39	
			For >2,200 To 3,500, Deduct	-6.92	
			For >3,500, Deduct	-8.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0264	SY		IMPRESSION IV ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	61.03	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.94	
			For >400 To 600, Deduct	-1.40	
			For >600 To 900, Deduct	-2.55	
			For >900 To 1,500, Deduct	-3.70	
			For >1,500 To 2,200, Deduct	-5.39	
			For >2,200 To 3,500, Deduct	-6.92	
			For >3,500, Deduct	-8.44	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0265			22 Ounce, Non-Patterned, Nylon Carpet Tile (09 68 13 00-0261)		
09 68 13 00-0266	SY		PLANE HEXAGON ECOWORX® 22 Ounce, Non-Patterned, Nylon Carpet Tile	76.69	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-1.25	
			For >400 To 600, Deduct	-1.87	
			For >600 To 900, Deduct	-3.34	
			For >900 To 1,500, Deduct	-4.80	
			For >1,500 To 2,200, Deduct	-6.96	
			For >2,200 To 3,500, Deduct	-8.87	
			For >3,500, Deduct	-10.79	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0267			24 Ounce, Non-Patterned, Nylon Carpet Tile (09 68 13 00-0261)		
09 68 13 00-0268	SY		NEST ECOWORX® 24 Ounce, Non-Patterned, Nylon Carpet Tile	57.12	5.82
			For Up To 15, Add	2.85	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.29	
			For >600 To 900, Deduct	-2.36	
			For >900 To 1,500, Deduct	-3.43	
			For >1,500 To 2,200, Deduct	-5.00	
			For >2,200 To 3,500, Deduct	-6.43	
			For >3,500, Deduct	-7.86	
			For Cushioned Backed Tile, Add	4.79	
09 68 13 00-0269			30 Ounce, Non-Patterned, Nylon Carpet Tile (09 68 13 00-0261)		



		Finishes	09	09
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 68 13 00-0270	SY TRU COLOURS ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile.....	61.67		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-0.95		
	For >400 To 600, Deduct	-1.42		
	For >600 To 900, Deduct	-2.58		
	For >900 To 1,500, Deduct	-3.75		
	For >1,500 To 2,200, Deduct	-5.45		
	For >2,200 To 3,500, Deduct	-7.00		
	For >3,500, Deduct	-8.54		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0271	SY COLOUR PLANK ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile.....	68.18		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.08		
	For >400 To 600, Deduct	-1.62		
	For >600 To 900, Deduct	-2.91		
	For >900 To 1,500, Deduct	-4.20		
	For >1,500 To 2,200, Deduct	-6.11		
	For >2,200 To 3,500, Deduct	-7.81		
	For >3,500, Deduct	-9.51		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0272	SY GRADATION ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile.....	72.22		5.82
	For Up To 15, Add	2.85		
	For >15 To 33, Add	1.43		
	For >200 To 400, Deduct	-1.16		
	For >400 To 600, Deduct	-1.74		
	For >600 To 900, Deduct	-3.11		
	For >900 To 1,500, Deduct	-4.49		
	For >1,500 To 2,200, Deduct	-6.51		
	For >2,200 To 3,500, Deduct	-8.31		
	For >3,500, Deduct	-10.12		
	For Cushioned Backed Tile, Add	4.79		
09 68 13 00-0273	ESD Static Control Carpet Tiles (Shaw StaticSmart) (09 68 13 00-0001)			
	Note: Includes conductive ESD releasable adhesive and grounding clips.			
09 68 13 00-0274	16-24 Ounce, Static Control, Nylon Carpet Tile (StaticSmart) (09 68 13 00-0273)			
09 68 13 00-0275	SY DAILY PLANNER, Static Control, Nylon Carpet Carpet Tile.....	55.45		5.82
09 68 13 00-0276	SY COLLABORATORS, Static Control, Nylon Carpet Carpet Tile.....	60.33		5.82
09 68 13 00-0277	SY WORKSPACE, Static Control, Nylon Carpet Carpet Tile.....	55.55		5.82
09 68 13 00-0278	SY LANDMARK SERIES, Static Control, Nylon Carpet Carpet Tile.....	58.67		5.82
09 68 13 00-0279	SY LAN 4.1, Static Control, Nylon Carpet Carpet Tile.....	80.03		5.82
09 68 13 00-0280	SY PRESIDENTIAL, Static Control, Nylon Carpet Carpet Tile.....	80.03		5.82
09 68 13 00-0281	SY COLONIAL, Static Control, Nylon Carpet Carpet Tile.....	80.46		5.82
09 68 13 00-0282	SY LAN 4.0, Static Control, Nylon Carpet Carpet Tile.....	94.89		5.82
09 68 13 00-0283	SY DISCOVERY ECO, Static Control, Nylon Carpet Carpet Tile.....	78.55		5.82
09 68 16	Sheet Carpeting (09 68)			
	Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.			
09 68 16 00-0001	Carpet Cushion (09 68 16)			
09 68 16 00-0002	Carpet Padding (09 68 16 00-0001)			
09 68 16 00-0003	Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)			
09 68 16 00-0004	SY 7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	18.84		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.29		
	For >400 To 600, Deduct	-0.43		
	For >600 To 900, Deduct	-0.78		
	For >900 To 1,500, Deduct	-1.14		
	For >1,500 To 2,200, Deduct	-1.66		
	For >2,200 To 3,500, Deduct	-2.13		
	For >3,500, Deduct	-2.60		
09 68 16 00-0005	SY 1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	19.68		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.30		
	For >400 To 600, Deduct	-0.45		
	For >600 To 900, Deduct	-0.82		
	For >900 To 1,500, Deduct	-1.20		
	For >1,500 To 2,200, Deduct	-1.74		
	For >2,200 To 3,500, Deduct	-2.23		
	For >3,500, Deduct	-2.72		
09 68 16 00-0006	Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)			

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.54		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.14		
		For >400 To 600, Deduct	-0.21		
		For >600 To 900, Deduct	-0.42		
		For >900 To 1,500, Deduct	-0.63		
		For >1,500 To 2,200, Deduct	-0.93		
		For >2,200 To 3,500, Deduct	-1.21		
		For >3,500, Deduct	-1.50		
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.12		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.15		
		For >400 To 600, Deduct	-0.23		
		For >600 To 900, Deduct	-0.45		
		For >900 To 1,500, Deduct	-0.67		
		For >1,500 To 2,200, Deduct	-0.98		
		For >2,200 To 3,500, Deduct	-1.29		
		For >3,500, Deduct	-1.59		
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.41		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.10		
		For >400 To 600, Deduct	-0.15		
		For >600 To 900, Deduct	-0.31		
		For >900 To 1,500, Deduct	-0.48		
		For >1,500 To 2,200, Deduct	-0.71		
		For >2,200 To 3,500, Deduct	-0.95		
		For >3,500, Deduct	-1.18		
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.73		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.14		
		For >400 To 600, Deduct	-0.22		
		For >600 To 900, Deduct	-0.43		
		For >900 To 1,500, Deduct	-0.64		
		For >1,500 To 2,200, Deduct	-0.95		
		For >2,200 To 3,500, Deduct	-1.24		
		For >3,500, Deduct	-1.53		
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.73		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.14		
		For >400 To 600, Deduct	-0.22		
		For >600 To 900, Deduct	-0.43		
		For >900 To 1,500, Deduct	-0.64		
		For >1,500 To 2,200, Deduct	-0.95		
		For >2,200 To 3,500, Deduct	-1.24		
		For >3,500, Deduct	-1.53		
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.73		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.14		
		For >400 To 600, Deduct	-0.22		
		For >600 To 900, Deduct	-0.43		
		For >900 To 1,500, Deduct	-0.64		
		For >1,500 To 2,200, Deduct	-0.95		
		For >2,200 To 3,500, Deduct	-1.24		
		For >3,500, Deduct	-1.53		
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.11		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.17		
		For >400 To 600, Deduct	-0.26		
		For >600 To 900, Deduct	-0.50		
		For >900 To 1,500, Deduct	-0.74		
		For >1,500 To 2,200, Deduct	-1.08		
		For >2,200 To 3,500, Deduct	-1.41		
		For >3,500, Deduct	-1.74		
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.60		3.00
		For Up To 15, Add	0.91		
		For >15 To 33, Add	0.46		
		For >200 To 400, Deduct	-0.14		
		For >400 To 600, Deduct	-0.21		
		For >600 To 900, Deduct	-0.42		
		For >900 To 1,500, Deduct	-0.63		
		For >1,500 To 2,200, Deduct	-0.93		
		For >2,200 To 3,500, Deduct	-1.22		
		For >3,500, Deduct	-1.51		



		Finishes	09	2
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 68 16 00-0015	SY 1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.05		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.15		
	For >400 To 600, Deduct	-0.22		
	For >600 To 900, Deduct	-0.44		
	For >900 To 1,500, Deduct	-0.66		
	For >1,500 To 2,200, Deduct	-0.98		
	For >2,200 To 3,500, Deduct	-1.28		
	For >3,500, Deduct	-1.58		
09 68 16 00-0016	SY 1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.69		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.18		
	For >400 To 600, Deduct	-0.27		
	For >600 To 900, Deduct	-0.52		
	For >900 To 1,500, Deduct	-0.78		
	For >1,500 To 2,200, Deduct	-1.14		
	For >2,200 To 3,500, Deduct	-1.48		
	For >3,500, Deduct	-1.83		
09 68 16 00-0017	Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)	20.11		3.00
09 68 16 00-0018	SY 0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	20.11		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.31		
	For >400 To 600, Deduct	-0.47		
	For >600 To 900, Deduct	-0.85		
	For >900 To 1,500, Deduct	-1.23		
	For >1,500 To 2,200, Deduct	-1.78		
	For >2,200 To 3,500, Deduct	-2.29		
	For >3,500, Deduct	-2.79		
09 68 16 00-0019	SY 0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	22.52		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.36		
	For >400 To 600, Deduct	-0.54		
	For >600 To 900, Deduct	-0.97		
	For >900 To 1,500, Deduct	-1.39		
	For >1,500 To 2,200, Deduct	-2.02		
	For >2,200 To 3,500, Deduct	-2.59		
	For >3,500, Deduct	-3.15		
09 68 16 00-0020	SY 0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	24.37		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.40		
	For >400 To 600, Deduct	-0.59		
	For >600 To 900, Deduct	-1.06		
	For >900 To 1,500, Deduct	-1.52		
	For >1,500 To 2,200, Deduct	-2.21		
	For >2,200 To 3,500, Deduct	-2.82		
	For >3,500, Deduct	-3.43		
09 68 16 00-0021	Waffle Rubber Carpet Padding (09 68 16 00-0002)	23.17		3.00
09 68 16 00-0022	SY 3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	23.17		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.37		
	For >400 To 600, Deduct	-0.56		
	For >600 To 900, Deduct	-1.00		
	For >900 To 1,500, Deduct	-1.44		
	For >1,500 To 2,200, Deduct	-2.09		
	For >2,200 To 3,500, Deduct	-2.67		
	For >3,500, Deduct	-3.25		
09 68 16 00-0023	Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)	13.82		3.00
09 68 16 00-0024	SY 0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	13.82		3.00
	For Up To 15, Add	0.91		
	For >15 To 33, Add	0.46		
	For >200 To 400, Deduct	-0.19		
	For >400 To 600, Deduct	-0.28		
	For >600 To 900, Deduct	-0.53		
	For >900 To 1,500, Deduct	-0.79		
	For >1,500 To 2,200, Deduct	-1.15		
	For >2,200 To 3,500, Deduct	-1.50		
	For >3,500, Deduct	-1.85		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0025	SY		0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	14.81	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.21	
			For >400 To 600, Deduct	-0.31	
			For >600 To 900, Deduct	-0.58	
			For >900 To 1,500, Deduct	-0.85	
			For >1,500 To 2,200, Deduct	-1.25	
			For >2,200 To 3,500, Deduct	-1.62	
			For >3,500, Deduct	-1.99	
09 68 16 00-0026	SY		0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	15.54	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.22	
			For >400 To 600, Deduct	-0.33	
			For >600 To 900, Deduct	-0.62	
			For >900 To 1,500, Deduct	-0.91	
			For >1,500 To 2,200, Deduct	-1.33	
			For >2,200 To 3,500, Deduct	-1.71	
			For >3,500, Deduct	-2.10	
09 68 16 00-0027	SY		0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	17.83	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.40	
			For >600 To 900, Deduct	-0.73	
			For >900 To 1,500, Deduct	-1.07	
			For >1,500 To 2,200, Deduct	-1.56	
			For >2,200 To 3,500, Deduct	-2.00	
			For >3,500, Deduct	-2.45	
09 68 16 00-0028	SY		0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	18.02	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.40	
			For >600 To 900, Deduct	-0.74	
			For >900 To 1,500, Deduct	-1.08	
			For >1,500 To 2,200, Deduct	-1.57	
			For >2,200 To 3,500, Deduct	-2.02	
			For >3,500, Deduct	-2.48	
09 68 16 00-0029			Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0030	SY		0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	6.48	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.04	
			For >400 To 600, Deduct	-0.06	
			For >600 To 900, Deduct	-0.16	
			For >900 To 1,500, Deduct	-0.27	
			For >1,500 To 2,200, Deduct	-0.42	
			For >2,200 To 3,500, Deduct	-0.58	
			For >3,500, Deduct	-0.74	
09 68 16 00-0031	SY		0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	7.98	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.07	
			For >400 To 600, Deduct	-0.10	
			For >600 To 900, Deduct	-0.24	
			For >900 To 1,500, Deduct	-0.38	
			For >1,500 To 2,200, Deduct	-0.57	
			For >2,200 To 3,500, Deduct	-0.77	
			For >3,500, Deduct	-0.97	
09 68 16 00-0032	SY		0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	7.30	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.05	
			For >400 To 600, Deduct	-0.08	
			For >600 To 900, Deduct	-0.21	
			For >900 To 1,500, Deduct	-0.33	
			For >1,500 To 2,200, Deduct	-0.50	
			For >2,200 To 3,500, Deduct	-0.68	
			For >3,500, Deduct	-0.87	
09 68 16 00-0033	SY		0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	7.55	3.00
			For Up To 15, Add	0.91	
			For >15 To 33, Add	0.46	
			For >200 To 400, Deduct	-0.06	
			For >400 To 600, Deduct	-0.09	
			For >600 To 900, Deduct	-0.22	
			For >900 To 1,500, Deduct	-0.35	
			For >1,500 To 2,200, Deduct	-0.53	
			For >2,200 To 3,500, Deduct	-0.72	
			For >3,500, Deduct	-0.90	



		Finishes	09	2
		Flooring	09 60	
		Carpeting	09 68	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
09 68 16 00-0034	SY 0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding.....	9.10		3.00	
	For Up To 15, Add	0.91			
	For >15 To 33, Add	0.46			
	For >200 To 400, Deduct	-0.09			
	For >400 To 600, Deduct	-0.14			
	For >600 To 900, Deduct	-0.30			
	For >900 To 1,500, Deduct	-0.45			
	For >1,500 To 2,200, Deduct	-0.68			
	For >2,200 To 3,500, Deduct	-0.91			
	For >3,500, Deduct	-1.14			
09 68 16 00-0035	Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)				
09 68 16 00-0036	SY 0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding.....	9.58		3.00	
	For Up To 15, Add	0.91			
	For >15 To 33, Add	0.46			
	For >200 To 400, Deduct	-0.10			
	For >400 To 600, Deduct	-0.15			
	For >600 To 900, Deduct	-0.32			
	For >900 To 1,500, Deduct	-0.49			
	For >1,500 To 2,200, Deduct	-0.73			
	For >2,200 To 3,500, Deduct	-0.97			
	For >3,500, Deduct	-1.21			
09 68 16 00-0037	SY 0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding.....	10.78		3.00	
	For Up To 15, Add	0.91			
	For >15 To 33, Add	0.46			
	For >200 To 400, Deduct	-0.12			
	For >400 To 600, Deduct	-0.19			
	For >600 To 900, Deduct	-0.38			
	For >900 To 1,500, Deduct	-0.57			
	For >1,500 To 2,200, Deduct	-0.85			
	For >2,200 To 3,500, Deduct	-1.12			
	For >3,500, Deduct	-1.39			
09 68 16 00-0038	Commercial Broadloom Carpet (09 68 16)				
	Note: Level-loop pile or textured-loop pile broadloom carpet.				
09 68 16 00-0039	Patterned Broadloom Carpet (Shaw) (09 68 16 00-0038)				
09 68 16 00-0040	20 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)				
09 68 16 00-0041	SY AMBITION III 20 CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	25.31		23.86	
09 68 16 00-0042	SY ESSENTIAL CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	32.47		23.86	
09 68 16 00-0043	SY PRIME CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	32.47		23.86	
09 68 16 00-0044	SY MODIFY CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	35.85		23.86	
09 68 16 00-0045	SY SWITCH CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	35.85		23.86	
09 68 16 00-0046	SY TRANSFER CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	35.85		23.86	
09 68 16 00-0047	SY SCRIBE CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	36.23		23.86	
09 68 16 00-0048	SY STYLUS CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	36.23		23.86	
09 68 16 00-0049	SY CONTE' ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	45.68		23.86	
09 68 16 00-0050	SY ERASE ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet.....	45.68		23.86	
09 68 16 00-0051	SY CADENCE ECOWORX® PERFORMANCE 20 Ounce, Patterned, Nylon Broadloom Carpet.....	56.65		23.86	
09 68 16 00-0052	22 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)				
09 68 16 00-0053	SY BIRCH CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	36.04		23.86	
09 68 16 00-0054	SY GROVE CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	36.04		23.86	
09 68 16 00-0055	SY SUMMIT CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	36.04		23.86	
09 68 16 00-0056	SY HIT THE BOOKS ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	39.29		23.86	
09 68 16 00-0057	SY LAYER ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	41.47		23.86	
09 68 16 00-0058	SY DIMENSION ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	39.45		23.86	
09 68 16 00-0059	SY CHARISMA ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet (DELETE).....	42.58		23.86	
09 68 16 00-0060	SY AMPLIFY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	46.10		23.86	
09 68 16 00-0061	SY HIT THE BOOKS ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet (DELETE).....	43.86		23.86	
09 68 16 00-0062	SY ILLUMINATE ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	46.10		23.86	
09 68 16 00-0063	SY EFFECT ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	45.87		23.86	
09 68 16 00-0064	SY FAÇADE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet.....	48.00		23.86	
09 68 16 00-0065	SY INLAY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet.....	45.87		23.86	
09 68 16 00-0066	SY COLLAGE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet.....	49.97		23.86	
09 68 16 00-0067	24 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)				
09 68 16 00-0068	SY ASSOCIATE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	33.23		23.86	
09 68 16 00-0069	SY FOSSIL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	33.95		23.86	
09 68 16 00-0070	SY TERRA CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	33.95		23.86	
09 68 16 00-0071	SY ECLECTIC CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	35.78		23.86	
09 68 16 00-0072	SY MELD CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	36.28		23.86	
09 68 16 00-0073	SY STAY ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	36.09		23.86	
09 68 16 00-0074	SY REMINISCE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	35.16		23.86	
09 68 16 00-0075	SY CONTOUR CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	35.32		23.86	
09 68 16 00-0076	SY OUTLINE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	35.32		23.86	
09 68 16 00-0077	SY FLICKER CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	35.94		23.86	
09 68 16 00-0078	SY FLARE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet.....	36.53		23.86	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0079 SY TONE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.44	23.86
09 68 16 00-0080 SY TINT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.14	23.86
09 68 16 00-0081 SY BLOG ULTRLOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.21	23.86
09 68 16 00-0082 SY BLOG CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	38.32	23.86
09 68 16 00-0083 SY KUSA ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	46.89	23.86
09 68 16 00-0084 SY ENGRAVE ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	62.02	23.86
09 68 16 00-0085 SY ORNAMENT ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	62.02	23.86
09 68 16 00-0086 SY SCREEN ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	62.02	23.86
09 68 16 00-0087 SY COLONEL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	28.14	23.86
09 68 16 00-0088 SY TOWN RESORT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	31.03	23.86
09 68 16 00-0089 SY SENTIMENT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	35.89	23.86
09 68 16 00-0090 26 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0091 SY AMBITION III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	27.36	23.86
09 68 16 00-0092 SY POTENTIAL III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	32.40	23.86
09 68 16 00-0093 SY POTENTIAL III 26 UNITARY 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	34.26	23.86
09 68 16 00-0094 SY INTERPLAY ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	36.02	23.86
09 68 16 00-0095 SY PETO II CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	35.76	23.86
09 68 16 00-0096 SY EVOLUTION CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	35.85	23.86
09 68 16 00-0097 SY SPACE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	35.75	23.86
09 68 16 00-0098 SY DIVIDE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	36.80	23.86
09 68 16 00-0099 SY EDIT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	37.43	23.86
09 68 16 00-0100 SY EQUAL CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	37.42	23.86
09 68 16 00-0101 SY TEXT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	38.29	23.86
09 68 16 00-0102 SY TEXT ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.41	23.86
09 68 16 00-0103 SY CONSTELLATION ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	41.15	23.86
09 68 16 00-0104 SY CROSS STITCH ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	43.03	23.86
09 68 16 00-0105 SY ESCAPE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	47.06	23.86
09 68 16 00-0106 SY WISDOM ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	47.37	23.86
09 68 16 00-0107 SY BOTAN ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	48.00	23.86
09 68 16 00-0108 SY MAINFRAME ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	45.39	23.86
09 68 16 00-0109 SY HANA ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	48.21	23.86
09 68 16 00-0110 SY NAVIGATE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	46.31	23.86
09 68 16 00-0111 SY INTUITION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	50.55	23.86
09 68 16 00-0112 SY QUEST ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	50.55	23.86
09 68 16 00-0113 SY SOPHISTICATION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	50.55	23.86
09 68 16 00-0114 SY JOIE ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	63.81	23.86
09 68 16 00-0115 28 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0116 SY POTENTIAL III 28 CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	34.84	25.90
09 68 16 00-0117 SY MOMENTUM IV UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	35.55	25.90
09 68 16 00-0118 SY POTENTIAL III 28 UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	36.58	25.90
09 68 16 00-0119 SY CULTURE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	36.72	25.90
09 68 16 00-0120 SY SCHOLAR II UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	38.54	25.90
09 68 16 00-0121 SY FIELD TRIP ULTRLOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	39.41	25.90
09 68 16 00-0122 SY ACCOMPLISH CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	39.59	25.90
09 68 16 00-0123 SY PROSPER CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	41.14	25.90
09 68 16 00-0124 SY ASPIRE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	42.32	25.90
09 68 16 00-0125 SY MOVEMENT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	44.77	25.90
09 68 16 00-0126 SY SHIMMER ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	42.97	25.90
09 68 16 00-0127 SY CORDED ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	43.81	25.90
09 68 16 00-0128 SY FIELD TRIP ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	46.01	25.90
09 68 16 00-0129 SY ACCOMPLISH ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	46.33	25.90
09 68 16 00-0130 SY PROSPER ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	47.84	25.90
09 68 16 00-0131 SY MEADOW ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	50.21	25.90
09 68 16 00-0132 SY PROFILE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	51.18	25.90
09 68 16 00-0133 SY ASPIRE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	48.62	25.90
09 68 16 00-0134 SY DOUBLE KNIT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	49.05	25.90
09 68 16 00-0135 SY BRIDGE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	50.70	25.90
09 68 16 00-0136 SY GLADE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	54.69	25.90
09 68 16 00-0137 SY ESSENCE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	55.91	25.90
09 68 16 00-0138 SY EXPRESSIVE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	55.91	25.90
09 68 16 00-0139 SY BASKET ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	60.60	25.90
09 68 16 00-0140 SY IKAT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	64.67	25.90
09 68 16 00-0141 SY VERVE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	64.43	25.90
09 68 16 00-0142 SY VITAE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	60.91	25.90
09 68 16 00-0143 SY IMAGERY CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	38.87	25.90
09 68 16 00-0144 SY GROUND FORCE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	35.18	25.90
09 68 16 00-0145 30 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0146 SY GRADIENT CLASSICBAC® 30 Ounce, Patterned, Nylon Broadloom Carpet	39.74	25.90
09 68 16 00-0147 SY HONOR ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	59.12	25.90
09 68 16 00-0148 SY PEBBLE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	56.20	25.90
09 68 16 00-0149 SY BATIK ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	64.67	25.90
09 68 16 00-0150 SY LINEN ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	64.67	25.90
09 68 16 00-0151 SY TAPESTRY ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	64.67	25.90
09 68 16 00-0152 SY TEXTILE ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	64.67	25.90



Finishes		09	2
Flooring		09 60	
Carpeting		09 68	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0153	SY	TRELLIS ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	62.92	25.90
09 68 16 00-0154	SY	TWINE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	62.92	25.90
09 68 16 00-0155	SY	BEYOND ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet.....	67.52	25.90
09 68 16 00-0156		32 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0157	SY	REFUGE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet.....	37.63	25.90
09 68 16 00-0158	SY	RETREAT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	37.88	25.90
09 68 16 00-0159	SY	PLEAT CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	38.69	25.90
09 68 16 00-0160	SY	TAPER CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	38.69	25.90
09 68 16 00-0161	SY	STRIPES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet.....	39.21	25.90
09 68 16 00-0162	SY	HERRINGBONE CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet.....	39.21	25.90
09 68 16 00-0163	SY	SQUARES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet.....	39.63	25.90
09 68 16 00-0164	SY	SOLID CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	49.77	25.90
09 68 16 00-0165	SY	CORE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	51.38	25.90
09 68 16 00-0166	SY	TIMBER ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	54.35	25.90
09 68 16 00-0167	SY	GROUNDNE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	58.26	25.90
09 68 16 00-0168	SY	TRIBUTE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet.....	62.99	25.90
09 68 16 00-0169	SY	GRACE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet.....	63.69	25.90
09 68 16 00-0170	SY	INHERIT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	68.59	25.90
09 68 16 00-0171	SY	EMBRACE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	77.24	25.90
09 68 16 00-0172		34 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0173	SY	GLOW ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet.....	57.12	27.84
09 68 16 00-0174	SY	3SQUARE ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	56.54	27.84
09 68 16 00-0175	SY	EDITION ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	69.93	27.84
09 68 16 00-0176		36 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0177	SY	BELLCOURT CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet.....	59.46	27.84
09 68 16 00-0178	SY	CRANFORD CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	59.46	27.84
09 68 16 00-0179	SY	KENNEBUNK CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet.....	59.46	27.84
09 68 16 00-0180	SY	MORITZ CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	59.46	27.84
09 68 16 00-0181	SY	FIBER ECOWORX® 36 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	59.49	27.84
09 68 16 00-0182		38 Ounce, Patterned, Nylon Broadloom Carpet (09 68 16 00-0039)		
09 68 16 00-0183	SY	LANA ECOWORX® 38 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	71.23	27.84
09 68 16 00-0184	SY	ARTISAN LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet.....	76.67	27.84
09 68 16 00-0185	SY	CHOK LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet.....	76.95	27.84
09 68 16 00-0186	SY	AT EASE 39 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet.....	50.03	27.84
09 68 16 00-0187	SY	AT EASE 49 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet.....	55.47	27.84
09 68 16 00-0188	SY	WELCOME II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet.....	61.60	27.84
09 68 16 00-0189	SY	BON JOUR II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet.....	61.60	27.84
09 68 16 00-0190		Non-Patterned Broadloom Carpet (Shaw) (09 68 16 00-0038)		
09 68 16 00-0191		24 Ounce, Non-Patterned, Nylon Broadloom Carpet (09 68 16 00-0190)		
09 68 16 00-0192	SY	HARBOR CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	29.63	23.86
09 68 16 00-0193	SY	UPSCALE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	29.63	23.86
09 68 16 00-0194	SY	MEMOIRS CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	31.05	23.86
09 68 16 00-0195	SY	SCENERY CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	32.98	23.86
09 68 16 00-0196	SY	REIMAGINE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	34.83	23.86
09 68 16 00-0197	SY	STATEMENT CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet.....	36.76	23.86
09 68 16 00-0198		30 Ounce, Non-Patterned, Nylon Broadloom Carpet (09 68 16 00-0190)		
09 68 16 00-0199	SY	DESIGN SERIES V 30 CLASSICBAC® 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	36.88	25.90
09 68 16 00-0200	SY	HIGHLIGHT ECOWORX® PERFORMANCE 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	49.08	25.90
09 68 16 00-0201		34 Ounce, Non-Patterned, Nylon Broadloom Carpet (09 68 16 00-0190)		
09 68 16 00-0202	SY	RESIDENCE INN I CLASSICBAC® 34 Ounce, Non-Patterned, Nylon Broadloom Carpet	43.19	27.84
09 68 16 00-0203		36 Ounce, Non-Patterned, Nylon Broadloom Carpet (09 68 16 00-0190)		
09 68 16 00-0204	SY	DESIGN SERIES V 36 CLASSICBAC® 36 Ounce, Non-Patterned, Nylon Broadloom Carpet	42.74	27.84
09 68 16 00-0205		38 Ounce, Non-Patterned, Nylon Broadloom Carpet (09 68 16 00-0190)		
09 68 16 00-0206	SY	VILLA CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet.....	42.78	27.84
09 68 16 00-0207	SY	SCEPTER II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet.....	53.66	27.84
09 68 16 00-0208	SY	RESIDENCE INN II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet.....	47.75	27.84
09 68 16 00-0209	SY	RESIDENCE INN III CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	52.51	27.84
09 68 16 00-0210		Carpet Accessories (09 68 16)		

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0211	LF	Metal Carpet Saddle Strip, Up To 4" Wide.....	8.69		1.04
09 68 16 00-0212	LF	Carpet Grip Tape, Double Sided, 6" Wide	3.60		1.04
09 68 16 00-0213		Removal And Reinstallation Of Carpet And Pad (09 68 16)			
		Note: Includes storage, cleaning and supply materials.			
09 68 16 00-0214	SY	Removal And Reinstallation Of Carpet And Pad.....	33.65		
09 68 16 00-0215		Carpeting Support Functions (09 68 16)			
09 68 16 00-0216		Relocate Partitions, Modular Workstations (09 68 16 00-0215)			
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.			
09 68 16 00-0217	EA	Relocate Modular Workstation.....	366.18		
09 68 16 00-0218		Installation Of Owner Provided Broadloom Carpet (09 68 16)			
09 68 16 00-0219	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	14.29		
		Note: Includes adhesive for glue-down or tack strip for padded installations.			
		For Up To 15, Add	2.77		
		For >15 To 33, Add	1.39		
09 68 16 00-0220	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	16.60		
		Note: Includes adhesive for glue-down or tack strip for padded installations.			
		For Up To 15, Add	3.23		
		For >15 To 33, Add	1.62		
09 68 16 00-0221	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	19.83		
		Note: Includes adhesive for glue-down or tack strip for padded installations.			
		For Up To 15, Add	3.88		
		For >15 To 33, Add	1.94		
09 69 Access Flooring (09 60)					
09 69 13 Rigid-Grid Access Flooring (09 69)					
09 69 13 00-0001		Panels, No Covering (09 69 13)			
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	17.35		1.04
		For Carpet Covering, Add	2.77		
		For Vinyl Floor Covering, Add	1.91		
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	32.64		1.04
		For Carpet Covering, Add	2.77		
		For Vinyl Floor Covering, Add	1.91		
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	30.41		1.15
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	30.41		1.15
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	30.41		1.15
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	30.41		1.15
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	28.75		1.15
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	28.75		1.15
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	32.47		1.15
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	32.47		1.15
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808.....	32.47		1.15
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	32.47		1.15
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	30.82		1.15
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	30.82		1.15
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	39.04		1.15
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim.....	39.04		1.15
09 69 13 00-0018		Pedestals (09 69 13)			
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	38.43		5.24
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	40.49		5.24
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	41.53		5.24
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	45.27		5.24
09 69 13 00-0023		Stringers (09 69 13)			
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	20.21		6.28
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	34.86		9.42
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	55.27		15.70
09 69 13 00-0027		Understructure (09 69 13)			
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	6.49		1.56
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	6.98		1.56
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	8.31		1.56
09 69 53 Access Flooring Accessories (09 69)					
09 69 53 00-0001		Accessories (09 69 53)			
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors.....	39.36		4.18
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	63.54		7.32



Finishes			09	2
Flooring			09 60	
Access Flooring			09 69	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	26.51	7.32
09 69 53 00-0005	EA	Machine Cutouts	207.01	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	64.78	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System	154.48	0.52
		Note: Includes baffles, fascia plates trim and cover.		
09 69 53 00-0008	LF	Tate Handrail	122.90	3.45
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia	46.04	3.45
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille	207.29	13.08
		Note: Includes carpet trim to flush mount.		
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	48.74	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	48.74	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	60.03	2.10
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	73.46	2.10
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	56.31	2.10
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	73.44	2.10
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	204.79	13.08
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	145.69	13.08
		Note: Includes cut hole.		
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	204.79	13.08
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	103.85	2.10
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	10.46	
09 69 53 00-0022		Final Cleaning For Computer Room Raised Floor System (09 69 53) Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.59	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.72	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.68	
09 70 Wall Finishes (09)				
09 72 Wall Coverings (09 70)				
09 72 13 Cork Wall Coverings (09 72)				
09 72 13 00-0001 Cork Wall Covering (09 72 13)				
09 72 13 00-0002	SF	1/8" Cork Wall Covering	5.17	0.87
09 72 13 00-0003	SF	1/4" Cork Wall Covering	6.45	0.87
09 72 13 00-0004	SF	1/2" Cork Wall Covering	7.48	0.87
09 72 13 00-0005	SF	3/4" Cork Wall Covering	10.47	0.87
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)				
09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)				
09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)				
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7 To 10 Oz./SY Vinyl Wall Covering	2.51	0.87
		For Owner Furnished Material, Deduct	-1.15	
09 72 16 13-0003	SF	11 To 14 Oz./SY Vinyl Wall Covering	3.12	0.87
		For Owner Furnished Material, Deduct	-1.67	
09 72 16 13-0004	SF	15 To 19 Oz./SY Vinyl Wall Covering	3.74	0.87
		For Owner Furnished Material, Deduct	-2.10	
09 72 16 13-0005	SF	20 To 25 Oz./SY Vinyl Wall Covering	4.24	0.87
		For Owner Furnished Material, Deduct	-2.42	
09 72 16 13-0006	SF	26 To 32 Oz./SY Vinyl Wall Covering	4.84	0.87
		For Owner Furnished Material, Deduct	-2.94	
09 72 16 13-0007	SF	33 To 38 Oz./SY Vinyl Wall Covering	5.70	0.87
		For Owner Furnished Material, Deduct	-3.72	
09 72 19 Textile Wall Coverings (09 72)				
09 72 19 00-0001 Acoustic Wall Covering (09 72 19)				
09 72 19 00-0002	SY	Acoustic Wall Covering (TRI-KES ACS-24 Celadon)	95.89	
09 72 19 00-0003	SY	Acoustic Wall Covering (Carnegie Fabrics Strie 6423, Color 814)	61.13	
09 72 19 00-0004	SY	Acoustic Wall Covering (Carnegie Fabrics Meteor 6427, Color 766)	61.13	
09 72 23 Wallpapering (09 72)				
09 72 23 00-0001 Wallpaper Coverings (09 72 23)				
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.08	1.15
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.24	1.48
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	3.35	2.18

09 Finishes**09 70 Wall Finishes****09 73 Wall Carpeting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 73 Wall Carpeting (09 70)**09 73 00 00-0001 Carpet Wall Covering** (09 73)

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	50.43	26.54
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	51.72	26.54
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	55.92	28.58
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	59.15	28.58
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	62.51	28.58
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	64.07	28.58
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	66.75	30.86
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	69.70	30.86

09 74 Flexible Wood Sheets (09 70)**09 74 16 Flexible Wood Veneers** (09 74)**09 74 16 00-0001 Flexible Wood Veneer** (09 74 16)

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	10.76	3.48
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	11.00	3.48
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	11.00	3.48
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	11.23	3.48
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	12.43	3.48
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	13.86	3.48
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	15.53	3.48

09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	19.67	3.48

09 77 Special Wall Surfacing (09 70)**09 77 11 Special Wall Panels** (09 77)**09 77 11 00-0001 Special Wood Wall Panels** (09 77 11)

See CSI section 05 12 23 00-0423 for angle iron.

09 77 11 00-0002	SF	Wood Grill Wall Panel (Plyboo Style LS11)	98.99	
Note: Includes connection to walls.				
09 77 11 00-0003	SF	Wood Grill Ceiling Panel (Plyboo Style LS11)	107.30	
Note: Includes connection to ceiling or grid. Excludes ceiling grid support structure.				

09 77 11 00-0004 Composite Panels, Fiberglass Reinforced Polyester (FRP) (09 77 11)

09 77 11 00-0005	SF	3/4" Thick Mechanically Applied Composite Panels, Translucent Fiberglass Reinforced Polyester (FRP)	46.88	5.76
09 77 11 00-0006	SF	1/8" Thick Panels, 4' Wide, Pebble Finish Panels	13.77	5.76
09 77 11 00-0007	SF	1/8" Thick Panels, 4' Wide, Symetrix Fiberglass Reinforced Polyester (FRP) Panels	16.74	5.76
09 77 11 00-0008	SF	1/8" Thick Panels, 4' Wide, Accents Fiberglass Reinforced Polyester (FRP) Panels	20.28	5.76

09 77 11 00-0009 High Pressure Laminate Panels (09 77 11)

09 77 11 00-0010	SF	3/4" Thick Mechanically Applied High Pressure Laminate Panels	40.51	5.76

09 77 11 00-0011 Metal Panels (09 77 11)

09 77 11 00-0012	SF	3/4" Thick Mechanically Applied Metal Panels	69.51	5.76

09 78 Interior Wall Paneling (09 70)**09 78 13 Metal Interior Wall Paneling** (09 78)**09 78 13 00-0001 Stainless Steel Wall Base** (09 78 13)

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	12.28	2.59
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	18.30	2.85
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	20.44	2.85
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	24.58	3.11
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	30.83	3.45
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	13.86	2.59
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	19.80	2.85
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	21.91	2.85
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	25.86	3.11
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	32.13	3.45
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	34.18	5.17
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	43.44	5.70
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	46.64	5.70
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	52.80	6.21
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	62.51	6.91



		Finishes	09	2
		Wall Finishes	09 70	
		Interior Wall Paneling	09 78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0018	EA		2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	70.81	5.17
09 78 13 00-0019	EA		4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.18	5.70
09 78 13 00-0020	EA		4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	83.27	5.70
09 78 13 00-0021	EA		6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	89.54	6.21
09 78 13 00-0022	EA		8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	99.25	6.91
09 78 13 00-0023	EA		2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	34.18	5.17
09 78 13 00-0024	EA		4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	43.44	5.70
09 78 13 00-0025	EA		4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	46.64	5.70
09 78 13 00-0026	EA		6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	52.80	6.21
09 78 13 00-0027	EA		8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	62.51	6.91
09 78 13 00-0028	EA		2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	85.54	5.17
09 78 13 00-0029	EA		4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.81	5.70
09 78 13 00-0030	EA		4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.01	5.70
09 78 13 00-0031	EA		6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	104.17	6.21
09 78 13 00-0032	EA		8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	113.88	6.91

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0034	LF		2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.42	2.59
09 78 13 00-0035	LF		4" Height, 16 Gauge, Stainless Steel Straight Wall Base	36.67	2.85
09 78 13 00-0036	LF		4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	42.14	2.85
09 78 13 00-0037	LF		6" Height, 16 Gauge, Stainless Steel Straight Wall Base	51.83	3.11
09 78 13 00-0038	LF		8" Height, 16 Gauge, Stainless Steel Straight Wall Base	69.06	3.45
09 78 13 00-0039	LF		2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.90	2.59
09 78 13 00-0040	LF		4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	38.10	2.85
09 78 13 00-0041	LF		4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	43.18	2.85
09 78 13 00-0042	LF		6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	53.31	3.11
09 78 13 00-0043	LF		8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	68.68	3.45
09 78 13 00-0044	EA		2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	47.84	5.17
09 78 13 00-0045	EA		4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	70.88	5.70
09 78 13 00-0046	EA		4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	79.00	5.70
09 78 13 00-0047	EA		6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	93.91	6.21
09 78 13 00-0048	EA		8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	117.40	6.91
09 78 13 00-0049	EA		2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	84.54	5.17
09 78 13 00-0050	EA		4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	107.58	5.70
09 78 13 00-0051	EA		4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	115.85	5.70
09 78 13 00-0052	EA		6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	130.65	6.21
09 78 13 00-0053	EA		8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	154.03	6.91
09 78 13 00-0054	EA		2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	47.84	5.17
09 78 13 00-0055	EA		4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	70.88	5.70
09 78 13 00-0056	EA		4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	79.00	5.70
09 78 13 00-0057	EA		6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	93.91	6.21
09 78 13 00-0058	EA		8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	117.40	6.91
09 78 13 00-0059	EA		2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	99.21	5.17
09 78 13 00-0060	EA		4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	122.25	5.70
09 78 13 00-0061	EA		4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	130.54	5.70
09 78 13 00-0062	EA		6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	145.35	6.21
09 78 13 00-0063	EA		8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	168.77	6.91

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB) ^(09 81 16)			
Note: Mineral wool				
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) ^(09 81 16 00-0001)			
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.05	0.34
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.22	0.34
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.46	0.34
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.65	0.34
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.89	0.34
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.12	0.34
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.43	0.34
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.78	0.34
09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB) ^(09 81 16 00-0001)			
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.01	0.34
09 81 16 00-0013	Fiberglass Sound Attenuation Blankets ^(09 81 16)			
Note: (Insul-Quilt)				
09 81 16 00-0014	SF	2" Fiberglass Core Blanket, Faced With fiberglass Cloth And Backed With A Flame-Proof Foil (Insul-Quilt)	8.96	0.35
09 81 16 00-0015	Sound Attenuation Batts ^(09 81 16)			
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.				

09 Finishes**09 80 Acoustic Treatment****09 81 Acoustic Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0016	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.73	0.46
09 81 16 00-0017	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.92	0.46
09 81 16 00-0018	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	2.07	0.46
09 81 16 00-0019	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	2.46	0.46
09 81 16 00-0020	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	2.58	0.46
09 81 16 00-0021	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	2.55	0.46
09 81 16 00-0022	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	2.68	0.46

09 84 Acoustic Room Components (09 80)**09 84 13 Fixed Sound-Absorptive Panels** (09 84)**09 84 13 00-0001****Sound Absorbing Panels And Attenuation Blankets** (09 84 13)

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	13.31	2.30
09 84 13 00-0003	SF		1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls.....	19.82	2.30

09 84 13 00-0004**Sound Absorbing Acoustical Wall Panel System** (09 84 13)

See CSI section 06 11 16 00-0211 for wood furring.

09 84 13 00-0005**Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)** (09 84 13 00-0004)

Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF		5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.17	2.59
09 84 13 00-0007	SF		3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	13.99	2.59
09 84 13 00-0008	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	17.72	2.59
09 84 13 00-0009	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	17.75	2.59
09 84 13 00-0010	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	19.64	2.59
09 84 13 00-0011	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	19.64	2.59

09 84 13 00-0012**Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®)** (09 84 13 00-0004)

Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0013	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	17.77	2.59
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	20.85	2.59
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	20.85	2.59
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	23.92	2.59
09 84 13 00-0017	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	23.92	2.59

09 84 13 00-0018**Sound Absorbing Panel, Eggcrate Style** (09 84 13)

Note: Ceiling or wall hung back.

09 84 13 00-0019	SF		2" Thick (Eggcrate Style) Polyurethane Sound Wave	13.86	
			For Pyramid Style, Add	1.18	
09 84 13 00-0020	SF		3" Thick (Eggcrate Style) Polyurethane Sound Wave	19.14	
			For Pyramid Style, Add	1.18	
09 84 13 00-0021	SF		4" Thick (Eggcrate Style) Polyurethane Sound Wave	26.13	
			For Pyramid Style, Add	1.18	
09 84 13 00-0022	SF		2" Thick (Eggcrate Style) Melamine Sound Wave	19.40	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	2.05	
			For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0023	SF		3" Thick (Eggcrate Style) Melamine Sound Wave	28.05	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0024	SF		4" Thick (Eggcrate Style) Melamine Sound Wave	35.83	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	

09 84 13 00-0025**Sound Deadening Fiberboard** (09 84 13)



		Finishes	09	
		Acoustic Treatment	09 80	
		Acoustic Room Components	09 84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0026	SF		1/2" Sound Deadening Fiberboard	1.50	0.57
			For Horizontal Installation Up To 10' High, Add	0.36	
			For Horizontal Installation >10' High, Add	0.53	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.51	
			For >128 To 320, Add	0.31	

09 90 Painting and Coating^(09 90)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting^(09 90)

09 91 13 Exterior Painting^(09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding^(09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls^(09 91 13 00-0001)

09 91 13 00-0003	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.24	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 13 00-0004	SF		1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.05	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0005	SF		1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.47	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF		2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.19	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0007	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0008	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.20	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0009	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.82	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0010	SF		1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0011	SF		1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.79	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0012	SF		2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.64	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0013			Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0014	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.15	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 13 00-0015	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.89	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0016	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.94	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0017	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.79	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.12	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0018	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.74	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0019	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.80	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.37	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0021	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.67	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0022	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.60	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0023	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.07	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

09 91 13 00-0024 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	LF	1	Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.23	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.05	
09 91 13 00-0027	SF	1	Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.28	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0028	SF	1	Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.44	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0029	SF	2	Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls.....	2.55	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 13 00-0030	SF	1	Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	



Finishes			09	60
Painting and Coating			09 90	
Painting			09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	
09 91 13 00-0031	SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....		1.17	
	For Work >15' To 20' Above Floor, Add		0.11	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.19	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.30	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.41	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.63	
	For >100 To 250, Add		0.30	
	For >250 To 500, Add		0.13	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.23	
09 91 13 00-0032	SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....		2.11	
	For Work >15' To 20' Above Floor, Add		0.19	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.32	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.51	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.70	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.08	
	For >100 To 250, Add		0.53	
	For >250 To 500, Add		0.23	
	For >2,500 To 5,000, Deduct		-0.11	
	For >5,000 To 10,000, Deduct		-0.21	
	For >10,000 To 20,000, Deduct		-0.32	
	For >20,000, Deduct		-0.42	
09 91 13 00-0033	SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....		0.92	
	For Work >15' To 20' Above Floor, Add		0.06	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.10	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.16	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.23	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.38	
	For >100 To 250, Add		0.19	
	For >250 To 500, Add		0.09	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.09	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.18	
09 91 13 00-0034	SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls		1.00	
	For Work >15' To 20' Above Floor, Add		0.07	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.12	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.20	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.27	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.44	
	For >100 To 250, Add		0.22	
	For >250 To 500, Add		0.10	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.20	
09 91 13 00-0035	SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....		1.96	
	For Work >15' To 20' Above Floor, Add		0.14	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.23	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.36	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.50	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.83	
	For >100 To 250, Add		0.42	
	For >250 To 500, Add		0.19	
	For >2,500 To 5,000, Deduct		-0.10	
	For >5,000 To 10,000, Deduct		-0.20	
	For >10,000 To 20,000, Deduct		-0.29	
	For >20,000, Deduct		-0.39	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.22	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0038	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.14	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0039	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.36	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0040	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.50	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.70	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 13 00-0041	SF		1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.52	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.92	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0043	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.17	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0044	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.05	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0045	SF	1	Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.32	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0046	SF	1	Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.00	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0048	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.50	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0049	SF		1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.26	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0050			Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0051	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.16	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.10	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
			For Epoxy Paint, Add	0.02	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0052	SF		1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.91	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0053	SF		1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.96	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0054	SF		2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.79	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.12	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0055	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.74	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Epoxy Paint, Add	0.11	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0056	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.72	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.09	
09 91 13 00-0057	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.35	
			For Oil Based Paint, Add	0.09	
			For Orange Peel Finish, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
			For Epoxy Paint, Add	0.18	
09 91 13 00-0058	SF		1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.67	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0059	SF		1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.70	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.10	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF		2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	1.16	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0061			Paint Exterior Metal Walls (09 91 13 00-0061)		
09 91 13 00-0062			Paint Exterior Galvanized Walls (09 91 13 00-0061)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0063	SF		1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0064	SF		1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.25	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0065	SF		2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	2.29	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.46	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.86	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0067	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.98	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0068	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.85	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0069	SF	1	Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.77	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0070	SF	1	Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.98	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071	SF		2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.69	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0072			Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)		
			Note: Alkyd enamel paint.		
09 91 13 00-0073	SF		1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0074	SF		1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.25	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0075	SF		2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.28	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.46	
09 91 13 00-0076	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.98	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0077	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0078	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.07	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0079	SF	1	Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.84	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0080	SF	1	Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.98	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0081	SF	2	Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.69	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 13 00-0083	LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....		14.55	
	For Work >15' To 20' Above Floor, Add		1.86	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		3.10	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		4.96	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		6.83	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		9.63	
	For >100 To 250, Add		4.56	
	For >250 To 500, Add		1.97	
	For >2,500 To 5,000, Deduct		-0.73	
	For >5,000 To 10,000, Deduct		-1.46	
	For >10,000 To 20,000, Deduct		-2.18	
	For >20,000, Deduct		-2.91	
09 91 13 00-0084	LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....		16.19	
	For Work >15' To 20' Above Floor, Add		2.07	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		3.45	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		5.51	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		7.58	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		10.70	
	For >100 To 250, Add		5.06	
	For >250 To 500, Add		2.19	
	For >2,500 To 5,000, Deduct		-0.81	
	For >5,000 To 10,000, Deduct		-1.62	
	For >10,000 To 20,000, Deduct		-2.43	
	For >20,000, Deduct		-3.24	
09 91 13 00-0085	LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....		30.20	
	For Work >15' To 20' Above Floor, Add		3.89	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		6.48	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		10.36	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		14.25	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		20.08	
	For >100 To 250, Add		9.50	
	For >250 To 500, Add		4.10	
	For >2,500 To 5,000, Deduct		-1.51	
	For >5,000 To 10,000, Deduct		-3.02	
	For >10,000 To 20,000, Deduct		-4.53	
	For >20,000, Deduct		-6.04	
09 91 13 00-0086	Paint Exterior Corrugated Metal Walls (09 91 13 00-0061).....		0.95	
09 91 13 00-0087	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....		0.95	
	For Work >15' To 20' Above Floor, Add		0.07	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.12	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.18	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.25	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.42	
	For >100 To 250, Add		0.21	
	For >250 To 500, Add		0.09	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.19	
09 91 13 00-0088	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....		1.23	
	For Work >15' To 20' Above Floor, Add		0.11	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.19	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.30	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.41	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.63	
	For >100 To 250, Add		0.31	
	For >250 To 500, Add		0.14	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.10	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 13 00-0090			Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0091	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.27	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 13 00-0092	SF		1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.49	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0093	SF		1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.64	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0094	SF		2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.06	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.36	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.60	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.96	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.91	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.39	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.61	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0095	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.15	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0096	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.30	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0097	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	2.42	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0098	SF	1	Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.90	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0099	SF	1	Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	1.12	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0100	SF		2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	2.13	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 13 00-0101			Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0102			Paint Exterior Smooth Wood Siding (09 91 13 00-0101)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.22	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0104	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.28	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0105	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	2.40	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.47	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0107	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.04	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0108	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.11	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0109	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.11	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 13 00-0110	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.87	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.03	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0112	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.68	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0113			Paint Exterior Rough Wood Siding (09 91 13 00-0101)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.70	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0115	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.67	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0116	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	3.09	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.38	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.64	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.02	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.46	
			For >20,000, Deduct	-0.62	
09 91 13 00-0117	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.58	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0118	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.70	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0119	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	3.18	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.79	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.67	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.32	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000, Deduct	-0.64	
09 91 13 00-0120	SF		1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.20	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121	SF		1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding.....	1.34	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0122	SF		2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.54	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.84	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 13 00-0123			Paint Exterior Vinyl Siding (09 91 13 00-0001).....	0.17	
09 91 13 00-0124	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.17	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.10	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
09 91 13 00-0125	SF		1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.98	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF	1	Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.07	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0127	SF	2	Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.01	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0128	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0129	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0130	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.72	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF		1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.87	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0132	SF		1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.01	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0133	SF		2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	1.99	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0134			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0135			Paint Exterior Concrete Ceilings (09 91 13 00-0134)		
09 91 13 00-0136	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.17	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137	SF	1	Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.00	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0138	SF	1	Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.06	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0139	SF	2	Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.91	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 13 00-0140	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0141	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.84	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0142	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.59	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0143	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.69	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0144	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0145	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.29	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0146			Drywall/Plaster (09 91 13 00-0134)	0.17	
09 91 13 00-0147	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.17	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
			For Epoxy Paint, Add	0.02	
09 91 13 00-0148	SF		1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.00	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.14	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0149	SF		1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.06	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.15	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Epoxy Paint, Add	0.11	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0150	SF		2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.91	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.26	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
			For Epoxy Paint, Add	0.21	
09 91 13 00-0151	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0152	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.84	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.11	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0153	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.58	
			For Oil Based Paint, Add	0.10	
			For Orange Peel Finish, Add	0.21	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
			For Epoxy Paint, Add	0.19	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0154	SF		1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.69	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0155	SF		1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.79	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0156	SF		2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.29	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0157			Paint Exterior Wood Ceilings (09 91 13 00-0134)		
09 91 13 00-0158			Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)		
09 91 13 00-0159	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.21	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0160	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.23	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 13 00-0161	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.27	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0162	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.32	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0163	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.03	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0164	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0165 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.97	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.39	
09 91 13 00-0166 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.83	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0167 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.83	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0168 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.52	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.84	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0171	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.82	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0172	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.20	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.40	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.66	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.07	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.32	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000, Deduct	-0.64	
09 91 13 00-0173	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.70	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0174	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.81	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.28	
For Oil Based Paint, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.83	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.14	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.74	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000, Deduct	-0.66	
09 91 13 00-0176 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.33	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0177 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.47	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0178 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.69	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.41	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.54	

- 09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)
- 09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)
Note: Linseed oil or acrylic latex paint.

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.25	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0182	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.36	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0183	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.51	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 13 00-0184	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.97	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 13 00-0185	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 13 00-0186	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling		1.93	
	For Work >15' To 20' Above Floor, Add		0.20	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.33	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.53	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.73	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.08	
	For >100 To 250, Add		0.52	
	For >250 To 500, Add		0.23	
	For >2,500 To 5,000, Deduct		-0.10	
	For >5,000 To 10,000, Deduct		-0.19	
	For >10,000 To 20,000, Deduct		-0.29	
	For >20,000, Deduct		-0.39	
09 91 13 00-0187	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling		0.98	
	For Work >15' To 20' Above Floor, Add		0.08	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.14	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.22	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.30	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.48	
	For >100 To 250, Add		0.24	
	For >250 To 500, Add		0.10	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.20	
09 91 13 00-0188	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling		1.11	
	For Work >15' To 20' Above Floor, Add		0.10	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.17	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.27	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.37	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.57	
	For >100 To 250, Add		0.28	
	For >250 To 500, Add		0.12	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.11	
	For >10,000 To 20,000, Deduct		-0.17	
	For >20,000, Deduct		-0.22	
09 91 13 00-0189	SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling		1.83	
	For Work >15' To 20' Above Floor, Add		0.15	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.24	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.39	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.53	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.86	
	For >100 To 250, Add		0.43	
	For >250 To 500, Add		0.19	
	For >2,500 To 5,000, Deduct		-0.09	
	For >5,000 To 10,000, Deduct		-0.18	
	For >10,000 To 20,000, Deduct		-0.27	
	For >20,000, Deduct		-0.37	
09 91 13 00-0190	Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)			
	Note: Alkyd enamel paint.			
09 91 13 00-0191	SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling		1.25	
	For Work >15' To 20' Above Floor, Add		0.13	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.22	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.35	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.48	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.72	
	For >100 To 250, Add		0.35	
	For >250 To 500, Add		0.15	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.13	
	For >10,000 To 20,000, Deduct		-0.19	
	For >20,000, Deduct		-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.36	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0193	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.51	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.97	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 13 00-0194	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0195	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.20	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0196	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.18	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.12	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 13 00-0197	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling		0.98	
	For Work >15' To 20' Above Floor, Add		0.08	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.14	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.22	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.30	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.48	
	For >100 To 250, Add		0.24	
	For >250 To 500, Add		0.10	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.20	
09 91 13 00-0198	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling		0.98	
	For Work >15' To 20' Above Floor, Add		0.08	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.14	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.22	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.30	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.48	
	For >100 To 250, Add		0.24	
	For >250 To 500, Add		0.10	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.20	
09 91 13 00-0199	SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		1.83	
	For Work >15' To 20' Above Floor, Add		0.15	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.24	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.39	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.53	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.86	
	For >100 To 250, Add		0.43	
	For >250 To 500, Add		0.19	
	For >2,500 To 5,000, Deduct		-0.09	
	For >5,000 To 10,000, Deduct		-0.18	
	For >10,000 To 20,000, Deduct		-0.27	
	For >20,000, Deduct		-0.37	
09 91 13 00-0200	Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)		1.08	
09 91 13 00-0201	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling		1.08	
	For Work >15' To 20' Above Floor, Add		0.09	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.15	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.24	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.32	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.52	
	For >100 To 250, Add		0.26	
	For >250 To 500, Add		0.11	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.11	
	For >10,000 To 20,000, Deduct		-0.16	
	For >20,000, Deduct		-0.22	
09 91 13 00-0202	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....		1.23	
	For Work >15' To 20' Above Floor, Add		0.11	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.19	
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add		0.30	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.41	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.63	
	For >100 To 250, Add		0.31	
	For >250 To 500, Add		0.14	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.27	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 13 00-0204			Paint Exterior Floors (09 91 13)		
09 91 13 00-0205			Paint Exterior Concrete Floors (09 91 13 00-0204)		
09 91 13 00-0206	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.14	
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 13 00-0207	SF		1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0208	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.84	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0209	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.58	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.19	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0210	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.66	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0211	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.73	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.23	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.17	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 13 00-0213	SF		1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.55	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0214	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0215	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	1.15	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.20	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0216	SF		1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.24	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 13 00-0217	SF		1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.48	
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.27	
			For >5,000 To 10,000, Deduct	-0.55	
			For >10,000 To 20,000, Deduct	-0.82	
			For >20,000, Deduct	-1.10	
09 91 13 00-0218	SF		1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.84	
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.40	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000 To 10,000, Deduct	-0.68	
			For >10,000 To 20,000, Deduct	-1.03	
			For >20,000, Deduct	-1.37	
09 91 13 00-0219			Paint Exterior Wood Floors (09 91 13 00-0204)	0.18	
09 91 13 00-0220	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0221	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	0.99	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.05	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0223	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	1.98	
			For Oil Based Paint, Add	0.13	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0224	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.93	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0225	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.98	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0226	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.64	
			For Oil Based Paint, Add	0.11	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0227	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.69	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0228	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.83	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0229	SF		2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.38	
			For Oil Based Paint, Add	0.10	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0230	SF		1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.35	
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.95	
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000 To 20,000, Deduct	-1.04	
			For >20,000, Deduct	-1.39	
09 91 13 00-0232			Paint Exterior Doors And Windows (09 91 13)		
09 91 13 00-0233			Paint Exterior Door Frames (09 91 13 00-0232)		
09 91 13 00-0234	LF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.22	
			For Painting Either Interior Or Exterior Only, Deduct	-0.33	
09 91 13 00-0235	LF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.57	
			For Painting Either Interior Or Exterior Only, Deduct	-0.42	
09 91 13 00-0236	LF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.65	
			For Painting Either Interior Or Exterior Only, Deduct	-0.70	
09 91 13 00-0237	LF		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.23	
			For Painting Either Interior Or Exterior Only, Deduct	-0.33	
09 91 13 00-0238	LF		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.58	
			For Painting Either Interior Or Exterior Only, Deduct	-0.42	
09 91 13 00-0239	LF		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.66	
			For Painting Either Interior Or Exterior Only, Deduct	-0.71	
09 91 13 00-0240			Paint Exterior Metal Doors (09 91 13 00-0232)		
09 91 13 00-0241	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	57.26	
			Note: One face		
			For Half Louvered Door, Add	4.79	
			For Full Louvered Door, Add	7.98	
			For Electrostatic Painting, Add	9.53	
			For >5 To 10, Deduct	-2.86	
			For >10 To 25, Deduct	-5.73	
			For >25, Deduct	-8.59	
09 91 13 00-0242	EA		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	57.26	
			Note: One face		
			For Half Louvered Door, Add	4.79	
			For Full Louvered Door, Add	7.98	
			For Electrostatic Painting, Add	9.53	
			For >5 To 10, Deduct	-2.86	
			For >10 To 25, Deduct	-5.73	
			For >25, Deduct	-8.59	
09 91 13 00-0243	EA		2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	104.28	
			Note: One face		
			For Half Louvered Door, Add	8.09	
			For Full Louvered Door, Add	13.48	
			For Electrostatic Painting, Add	17.99	
			For >5 To 10, Deduct	-5.21	
			For >10 To 25, Deduct	-10.43	
			For >25, Deduct	-15.64	
09 91 13 00-0244	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	102.78	
			Note: Both faces		
			For Half Louvered Door, Add	8.58	
			For Full Louvered Door, Add	14.31	
			For Electrostatic Painting, Add	17.11	
			For >5 To 10, Deduct	-5.14	
			For >10 To 25, Deduct	-10.28	
			For >25, Deduct	-15.42	
09 91 13 00-0245	EA		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	102.78	
			Note: Both faces		
			For Half Louvered Door, Add	8.58	
			For Full Louvered Door, Add	14.31	
			For Electrostatic Painting, Add	17.11	
			For >5 To 10, Deduct	-5.14	
			For >10 To 25, Deduct	-10.28	
			For >25, Deduct	-15.42	
09 91 13 00-0246	EA		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	187.91	
			Note: Both faces		
			For Half Louvered Door, Add	14.52	
			For Full Louvered Door, Add	24.20	
			For Electrostatic Painting, Add	32.46	
			For >5 To 10, Deduct	-9.40	
			For >10 To 25, Deduct	-18.79	
			For >25, Deduct	-28.19	
09 91 13 00-0247	EA		1 Coat Primer, Sprayed, Paint Exterior Metal Door	54.59	
			Note: One face		
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For Electrostatic Painting, Add	9.64	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-5.46	
			For >25, Deduct	-8.19	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248	EA		1 Coat Paint, Sprayed, Paint Exterior Metal Door	54.59	
			Note: One face		
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For Electrostatic Painting, Add	9.64	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-5.46	
			For >25, Deduct	-8.19	
09 91 13 00-0249	EA		2 Coats Paint, Sprayed, Paint Exterior Metal Door	100.52	
			Note: One face		
			For Half Louvered Door, Add	6.77	
			For Full Louvered Door, Add	11.28	
			For Electrostatic Painting, Add	18.36	
			For >5 To 10, Deduct	-5.03	
			For >10 To 25, Deduct	-10.05	
			For >25, Deduct	-15.08	
09 91 13 00-0250	EA		1 Coat Primer, Sprayed, Paint Exterior Metal Door	98.01	
			Note: Both faces		
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For Electrostatic Painting, Add	17.32	
			For >5 To 10, Deduct	-4.90	
			For >10 To 25, Deduct	-9.80	
			For >25, Deduct	-14.70	
09 91 13 00-0251	EA		1 Coat Paint, Sprayed, Paint Exterior Metal Door	98.01	
			Note: Both faces		
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For Electrostatic Painting, Add	17.32	
			For >5 To 10, Deduct	-4.90	
			For >10 To 25, Deduct	-9.80	
			For >25, Deduct	-14.70	
09 91 13 00-0252	EA		2 Coats Paint, Sprayed, Paint Exterior Metal Door	181.27	
			Note: Both faces		
			For Half Louvered Door, Add	12.16	
			For Full Louvered Door, Add	20.26	
			For Electrostatic Painting, Add	33.16	
			For >5 To 10, Deduct	-9.06	
			For >10 To 25, Deduct	-18.13	
			For >25, Deduct	-27.19	
09 91 13 00-0253	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.61	
			For Electrostatic Painting, Add	0.33	
09 91 13 00-0254	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.77	
			For Electrostatic Painting, Add	0.37	
09 91 13 00-0255	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	5.66	
			For Electrostatic Painting, Add	0.73	
09 91 13 00-0256	SF		1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.94	
			For Electrostatic Painting, Add	0.36	
09 91 13 00-0257	SF		1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.10	
			For Electrostatic Painting, Add	0.40	
09 91 13 00-0258	SF		2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.01	
			For Electrostatic Painting, Add	0.77	
09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)					
09 91 13 00-0260	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	53.78	
			Note: One face		
			For Half Louvered Door, Add	4.79	
			For Full Louvered Door, Add	7.98	
			For >5 To 10, Deduct	-2.69	
			For >10 To 25, Deduct	-5.38	
			For >25, Deduct	-8.07	
09 91 13 00-0261	EA		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	53.78	
			Note: One face		
			For Half Louvered Door, Add	4.79	
			For Full Louvered Door, Add	7.98	
			For >5 To 10, Deduct	-2.69	
			For >10 To 25, Deduct	-5.38	
			For >25, Deduct	-8.07	
09 91 13 00-0262	EA		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	97.37	
			Note: One face		
			For Half Louvered Door, Add	8.09	
			For Full Louvered Door, Add	13.48	
			For >5 To 10, Deduct	-4.87	
			For >10 To 25, Deduct	-9.74	
			For >25, Deduct	-14.61	
09 91 13 00-0263	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	96.53	
			Note: Both faces		
			For Half Louvered Door, Add	8.58	
			For Full Louvered Door, Add	14.31	
			For >5 To 10, Deduct	-4.83	
			For >10 To 25, Deduct	-9.65	
			For >25, Deduct	-14.48	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	96.53	
		Note: Both faces		
		For Half Louvered Door, Add	8.58	
		For Full Louvered Door, Add	14.31	
		For >5 To 10, Deduct	-4.83	
		For >10 To 25, Deduct	-9.65	
		For >25, Deduct	-14.48	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	175.41	
		Note: Both faces		
		For Half Louvered Door, Add	14.52	
		For Full Louvered Door, Add	24.20	
		For >5 To 10, Deduct	-8.77	
		For >10 To 25, Deduct	-17.54	
		For >25, Deduct	-26.31	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	50.77	
		Note: One face		
		For Half Louvered Door, Add	4.01	
		For Full Louvered Door, Add	6.68	
		For >5 To 10, Deduct	-2.54	
		For >10 To 25, Deduct	-5.08	
		For >25, Deduct	-7.62	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	50.77	
		Note: One face		
		For Half Louvered Door, Add	4.01	
		For Full Louvered Door, Add	6.68	
		For >5 To 10, Deduct	-2.54	
		For >10 To 25, Deduct	-5.08	
		For >25, Deduct	-7.62	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	92.94	
		Note: One face		
		For Half Louvered Door, Add	6.77	
		For Full Louvered Door, Add	11.28	
		For >5 To 10, Deduct	-4.65	
		For >10 To 25, Deduct	-9.29	
		For >25, Deduct	-13.94	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	91.14	
		Note: Both faces		
		For Half Louvered Door, Add	7.19	
		For Full Louvered Door, Add	11.98	
		For >5 To 10, Deduct	-4.56	
		For >10 To 25, Deduct	-9.11	
		For >25, Deduct	-13.67	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	91.14	
		Note: Both faces		
		For Half Louvered Door, Add	7.19	
		For Full Louvered Door, Add	11.98	
		For >5 To 10, Deduct	-4.56	
		For >10 To 25, Deduct	-9.11	
		For >25, Deduct	-13.67	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	167.52	
		Note: Both faces		
		For Half Louvered Door, Add	12.16	
		For Full Louvered Door, Add	20.26	
		For >5 To 10, Deduct	-8.38	
		For >10 To 25, Deduct	-16.75	
		For >25, Deduct	-25.13	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.57	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.69	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.51	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.88	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.02	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.85	
09 91 13 00-0278 Paint Exterior Metal Windows (09 91 13 00-0232)				
		Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	88.36	
		For Electrostatic Painting, Add	11.36	
		For >5 To 10, Deduct	-4.42	
		For >10 To 25, Deduct	-8.84	
		For >25, Deduct	-13.25	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	108.54	
		For Electrostatic Painting, Add	14.76	
		For >5 To 10, Deduct	-5.43	
		For >10 To 25, Deduct	-10.85	
		For >25, Deduct	-16.28	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	147.00	
		For Electrostatic Painting, Add	20.24	
		For >5 To 10, Deduct	-7.35	
		For >10 To 25, Deduct	-14.70	
		For >25, Deduct	-22.05	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0282	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	165.58	
			For Electrostatic Painting, Add	22.82	
			For >5 To 10, Deduct	-8.28	
			For >10 To 25, Deduct	-16.56	
			For >25, Deduct	-24.84	
09 91 13 00-0283	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	183.51	
			For Electrostatic Painting, Add	25.24	
			For >5 To 10, Deduct	-9.18	
			For >10 To 25, Deduct	-18.35	
			For >25, Deduct	-27.53	
09 91 13 00-0284	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	5.82	
			For Electrostatic Painting, Add	0.80	
09 91 13 00-0285			Paint Exterior Wood Windows (09 91 13 00-0232)		
			Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	86.05	
			For >5 To 10, Deduct	-4.30	
			For >10 To 25, Deduct	-8.61	
			For >25, Deduct	-12.91	
09 91 13 00-0287	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	104.97	
			For >5 To 10, Deduct	-5.25	
			For >10 To 25, Deduct	-10.50	
			For >25, Deduct	-15.75	
09 91 13 00-0288	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	141.93	
			For >5 To 10, Deduct	-7.10	
			For >10 To 25, Deduct	-14.19	
			For >25, Deduct	-21.29	
09 91 13 00-0289	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	159.86	
			For >5 To 10, Deduct	-7.99	
			For >10 To 25, Deduct	-15.99	
			For >25, Deduct	-23.98	
09 91 13 00-0290	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	177.21	
			For >5 To 10, Deduct	-8.86	
			For >10 To 25, Deduct	-17.72	
			For >25, Deduct	-26.58	
09 91 13 00-0291	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	5.90	
09 91 13 00-0292			Paint Exterior Security Screens (09 91 13 00-0232)		
09 91 13 00-0293	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.56	
			For Electrostatic Painting, Add	0.21	
09 91 13 00-0294	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.57	
			For Electrostatic Painting, Add	0.20	
09 91 13 00-0295	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.60	
			For Electrostatic Painting, Add	0.33	
09 91 13 00-0296			Paint Exterior Window Guards (09 91 13 00-0232)		
09 91 13 00-0297	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.56	
09 91 13 00-0298	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.57	
09 91 13 00-0299	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.60	
09 91 13 00-0300			Paint Exterior Window Trim (09 91 13 00-0232)		
09 91 13 00-0301	LF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.45	
09 91 13 00-0302	LF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.45	
09 91 13 00-0303	LF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.37	
09 91 13 00-0304	LF		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.67	
09 91 13 00-0305	LF		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.67	
09 91 13 00-0306	LF		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.83	
09 91 13 00-0307			Paint Exterior Roofing And Trim (09 91 13)		
09 91 13 00-0308			Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)		
09 91 13 00-0309	SF		1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.15	
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.23	
09 91 13 00-0310	SF		2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	3.97	
			For Up To 100, Add	1.87	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.41	
09 91 13 00-0311			Paint Metal Roofing (09 91 13 00-0307)		



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0312	SF		1 Coat Paint, Brush/Roller Work, Paint Metal Roofing.....	0.95	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 91 13 00-0313	SF		2 Coats Paint, Brush/Roller Work, Paint Metal Roofing.....	1.65	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 91 13 00-0314	SF		1 Coat Epoxy Polyamide Cured Resin Primer, Sprayed, Paint Metal Roof	0.95	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
09 91 13 00-0315	SF		1 Coat Aliphatic Polyurethane, Sprayed, Paint Metal Roof.....	0.93	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 91 13 00-0316 Paint Fascia Board (09 91 13 00-0307)					
09 91 13 00-0317	LF		1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.89	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 91 13 00-0318	LF		1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	0.89	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 91 13 00-0319	LF		2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.54	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
09 91 13 00-0320 Paint Soffit (09 91 13 00-0307)					
09 91 13 00-0321	SF		1 Coat Primer, Brush/Roller Work, Paint Soffit	1.07	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 91 13 00-0322	SF		1 Coat Paint, Brush/Roller Work, Paint Soffit.....	1.07	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 91 13 00-0323	SF		2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.82	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.18	
09 91 13 00-0324 Special Coatings For Metal Roofs (09 91 13 00-0307)					
09 91 13 00-0325	SF		Carboline Carboxane 950 Coating System With 15 year warranty	12.43	
09 91 13 00-0326	SF		Carboline Carbothane 134HG Coating System With 1 year warranty	7.65	
09 91 13 00-0327 Acrylic Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)					
09 91 13 00-0328	SF		2 Coats (20 Mil), Cool Roof Acrylic Elastomeric Roof Coating	2.31	
			For Each Coat Of Primer, Add	0.50	
09 91 13 00-0329	SF		2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.25	
09 91 13 00-0330 Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)					
09 91 13 00-0331	SF		1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585)	3.94	
			Note: Per Coat		
09 91 13 00-0332 Acrylic Latex Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)					
			Note: (Henry)		
09 91 13 00-0333	SF		1 Coat, Premium Gray Elastomeric Roof Base Coating (Henry 291).....	1.41	
09 91 13 00-0334	SF		1 Coat, White Acrylic Latex Roof Coating (Henry 280DC).....	1.28	
09 91 13 00-0335	SF		1 Coat, White Elastomeric Roof Coating (Henry SolarFlex 287).....	1.12	
09 91 13 00-0336 Acrylic Coating For All Types Of Roofs (09 91 13 00-0307)					
			Note: (GAF)		
09 91 13 00-0337	SF		1 Coat, Water Based, Acrylic Elastomeric Roof Base Coating (GAF Roof Mate™ Base Coat)	1.10	
09 91 13 00-0338	SF		1 Coat, Water Based, Acrylic Elastomeric Roof Top Coating (GAF Roof Mate™ Top Coat)	1.28	
09 91 13 00-0339 Paint Metal Surfaces (09 91 13)					
			Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0340 Paint Structural Steel (09 91 13 00-0339)					
09 91 13 00-0341 Paint Structural Steel, Brush Work (09 91 13 00-0340)					

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0342 SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.08	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For Epoxy Paint, Add	0.13	
09 91 13 00-0343 SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.96	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.12	
09 91 13 00-0344 Paint Structural Steel, Spray Work (09 91 13 00-0340)		
09 91 13 00-0345 SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.81	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.12	
09 91 13 00-0346 SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.68	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.11	
09 91 13 00-0347 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0340)		
09 91 13 00-0348 SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.91	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.12	
09 91 13 00-0349 SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.91	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.12	
09 91 13 00-0350 SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.54	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For Epoxy Paint, Add	0.22	
09 91 13 00-0351 SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.32	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For Epoxy Paint, Add	0.21	
09 91 13 00-0352 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.27	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For Epoxy Paint, Add	0.19	
09 91 13 00-0353 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.42	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For Epoxy Paint, Add	0.37	
09 91 13 00-0354 SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.13	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.16	
09 91 13 00-0355 SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.13	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.16	
09 91 13 00-0356 SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.93	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For Epoxy Paint, Add	0.31	
09 91 13 00-0357 Paint Steel Pipes (09 91 13 00-0339)		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0358 LF 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.75	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.20	
09 91 13 00-0359 LF 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.96	
For Electrostatic Painting, Add	0.26	
For Epoxy Paint, Add	0.23	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0360	LF		1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	2.21	
			For Electrostatic Painting, Add	0.29	
			For Epoxy Paint, Add	0.26	
09 91 13 00-0361	LF		1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.75	
			For Electrostatic Painting, Add	0.36	
			For Epoxy Paint, Add	0.31	
09 91 13 00-0362	LF		1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.48	
			For Electrostatic Painting, Add	0.46	
			For Epoxy Paint, Add	0.39	
09 91 13 00-0363	LF		1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.75	
			For Electrostatic Painting, Add	0.23	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0364	LF		1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.96	
			For Electrostatic Painting, Add	0.26	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0365	LF		1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.21	
			For Electrostatic Painting, Add	0.29	
			For Epoxy Paint, Add	0.26	
09 91 13 00-0366	LF		1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	2.75	
			For Electrostatic Painting, Add	0.36	
			For Epoxy Paint, Add	0.31	
09 91 13 00-0367	LF		1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	3.48	
			For Electrostatic Painting, Add	0.46	
			For Epoxy Paint, Add	0.39	
09 91 13 00-0368	LF		2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.58	
			For Electrostatic Painting, Add	0.50	
			For Epoxy Paint, Add	0.47	
09 91 13 00-0369	LF		2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	3.91	
			For Electrostatic Painting, Add	0.52	
			For Epoxy Paint, Add	0.45	
09 91 13 00-0370	LF		2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.24	
			For Electrostatic Painting, Add	0.57	
			For Epoxy Paint, Add	0.50	
09 91 13 00-0371	LF		2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes.....	5.35	
			For Electrostatic Painting, Add	0.71	
			For Epoxy Paint, Add	0.62	
09 91 13 00-0372	LF		2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	6.59	
			For Electrostatic Painting, Add	0.88	
			For Epoxy Paint, Add	0.78	
09 91 13 00-0373	EA		1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	8.30	
			For Electrostatic Painting, Add	0.89	
			For Epoxy Paint, Add	0.53	
09 91 13 00-0374 Paint Metal Louvers (09 91 13 00-0339)					
09 91 13 00-0375	SF		1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.46	
			For Electrostatic Painting, Add	0.18	
09 91 13 00-0376	SF		1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.49	
			For Electrostatic Painting, Add	0.19	
09 91 13 00-0377	SF		2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.06	
			For Electrostatic Painting, Add	0.39	
09 91 13 00-0378 Paint Ladders (09 91 13 00-0339)					
09 91 13 00-0379	LF		1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	3.92	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0380	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.37	
			For Epoxy Paint, Add	0.27	
09 91 13 00-0381	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	8.60	
			For Epoxy Paint, Add	0.51	
09 91 13 00-0382 Paint Handrails (09 91 13 00-0339)					
09 91 13 00-0383	LF		1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.58	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0384	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.75	
			For Epoxy Paint, Add	0.14	
09 91 13 00-0385	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	2.86	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0386	LF		1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	2.99	
			For Epoxy Paint, Add	0.41	
09 91 13 00-0387	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	3.25	
			For Epoxy Paint, Add	0.42	
09 91 13 00-0388	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	5.54	
			For Epoxy Paint, Add	0.66	
09 91 13 00-0389	LF		1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.20	
			For Epoxy Paint, Add	0.42	
09 91 13 00-0390	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.50	
			For Epoxy Paint, Add	0.43	
09 91 13 00-0391	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.86	
			For Epoxy Paint, Add	0.68	
09 91 13 00-0392	LF		1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades.....	1.78	
			For Epoxy Paint, Add	0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0393	LF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.95	
			<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0394	LF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.57	
			<i>For Epoxy Paint, Add</i>	0.44	
09 91 13 00-0395			Paint Grating (09 91 13 00-0399)		
09 91 13 00-0396	SF	1	Coat Primer, Brush/Roller Work, Paint Gratings And Frames.....	2.87	
			<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0397	SF	1	Coat Paint, Brush/Roller Work, Paint Gratings And Frames.....	2.93	
			<i>For Epoxy Paint, Add</i>	0.22	
09 91 13 00-0398	SF	2	Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.41	
			<i>For Epoxy Paint, Add</i>	0.37	
09 91 13 00-0399			Equipment And Tanks (09 91 13 00-0399)		
09 91 13 00-0400			Paint Valves (09 91 13 00-0399)		
			Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0401	EA		Prime And Paint 4" Diameter And Smaller Valve.....	30.71	
09 91 13 00-0402	EA		Prime And Paint 6" To 10" Diameter Valve.....	37.80	
09 91 13 00-0403	EA		Prime And Paint 12" To 18" Diameter Valve.....	49.60	
09 91 13 00-0404	EA		Prime And Paint 20" To 24" Diameter Valve.....	66.12	
09 91 13 00-0405	EA		Prime And Paint >24" To 36" Diameter Valve.....	89.73	
09 91 13 00-0406	EA		Prime And Paint >36" To 48" Diameter Valve.....	122.81	
09 91 13 00-0407			Paint Pumps And Motors (09 91 13 00-0399)		
			Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0408	EA		Prime And Paint Pump Under 1 HP.....	94.50	
09 91 13 00-0409	EA		Prime And Paint Pump, 1 HP To 5 HP.....	125.25	
09 91 13 00-0410	EA		Prime And Paint Pump, >5 HP To 10 HP	151.29	
09 91 13 00-0411	EA		Prime And Paint Pump, >10 HP To 20 HP	170.24	
09 91 13 00-0412	EA		Prime And Paint Pump, >20 HP To 30 HP	198.61	
09 91 13 00-0413	EA		Prime And Paint Pump, >30 HP To 50 HP	226.98	
09 91 13 00-0414	EA		Prime And Paint Pump, >50 HP To 75 HP	250.65	
09 91 13 00-0415	EA		Prime And Paint Pump, >75 HP.....	283.73	
09 91 13 00-0416			Paint Storage Tanks (09 91 13 00-0399)		
09 91 13 00-0417	SF	1	Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.21	
09 91 13 00-0418	SF	1	Coat Paint, Roller, Paint Storage Tank, Exterior Surface.....	1.62	
09 91 13 00-0419	SF	2	Coats Paint, Roller, Paint Storage Tank, Exterior Surface.....	3.07	
09 91 13 00-0420	SF	1	Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.61	
09 91 13 00-0421	SF	1	Coat Paint, Roller, Paint Storage Tank, Interior Surface.....	2.06	
09 91 13 00-0422	SF	2	Coats Paint, Roller, Paint Storage Tank, Interior Surface.....	3.95	
09 91 13 00-0423	SF	1	Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.31	
09 91 13 00-0424	SF	1	Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	1.63	
09 91 13 00-0425	SF	2	Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	3.16	
09 91 13 00-0426	SF	1	Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.50	
09 91 13 00-0427	SF	1	Coat Paint, Sprayed, Paint Storage Tank, Interior Surface.....	1.98	
09 91 13 00-0428	SF	2	Coats Paint, Sprayed, Paint Storage Tank, Interior Surface.....	3.83	
09 91 13 00-0429			Other Site Work Painting (09 91 13)		
09 91 13 00-0430			Paint Fencing (09 91 13 00-0429)		
			Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0431	SF	1	Coat Paint, Brush/Roller, Paint Existing Chain Link Fence.....	0.88	
			<i>For Epoxy Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0432	SF	2	Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.66	
			<i>For Epoxy Paint, Add</i>	0.21	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.21	
09 91 13 00-0433	SF	1	Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.82	
			<i>For Epoxy Paint, Add</i>	0.12	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
09 91 13 00-0434	SF	2	Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.55	
			<i>For Epoxy Paint, Add</i>	0.24	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0435 SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.82 0.12 0.45 0.22 0.10	
09 91 13 00-0436 SF 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence..... For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.76 0.10 0.44 0.21 0.09	
09 91 13 00-0437 SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence..... For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.55 0.09 0.29 0.14 0.06	
09 91 13 00-0438 SF 1 Coat Primer, Brush/Roller, Paint Picket Fence For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	1.02 0.09 0.68 0.32 0.14	
09 91 13 00-0439 SF 1 Coat Paint, Brush/Roller, Paint Picket Fence For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	1.02 0.09 0.68 0.32 0.14	
09 91 13 00-0440 SF Each Additional Coat, Brush/Roller, Paint Picket Fence..... For Epoxy Paint, Add For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.74 0.08 0.47 0.22 0.10	
09 91 13 00-0441 SF 1 Coat Paint, Brush/Roller, Paint Wood Fences For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.78 0.45 0.22 0.09	
09 91 13 00-0442 SF 2 Coats Paint, Brush/Roller, Paint Wood Fences For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	1.41 0.78 0.38 0.17	
09 91 13 00-0443 SF 1 Coat Paint, Sprayed, Paint Wood Fences For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	0.64 0.34 0.17 0.07	
09 91 13 00-0444 SF 2 Coats Paint, Sprayed, Paint Wood Fences..... For Up To 100, Add For >100 To 250, Add For >250 To 500, Add	1.21 0.63 0.31 0.14	
09 91 13 00-0445 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0429)		
09 91 13 00-0446 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.11	
09 91 13 00-0447 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.12	
09 91 13 00-0448 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	5.57	
09 91 13 00-0449 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	1.99	
09 91 13 00-0450 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	2.01	
09 91 13 00-0451 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	3.72	
09 91 13 00-0452 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0429)		
09 91 13 00-0453 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	3.83	
09 91 13 00-0454 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	3.84	
09 91 13 00-0455 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	6.85	
09 91 13 00-0456 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	2.41	
09 91 13 00-0457 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	2.43	
09 91 13 00-0458 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	4.49	
09 91 13 00-0459 Paint Flagpoles (09 91 13 00-0429)		
09 91 13 00-0460 EA 1 Coat Paint, 20' High, Paint Steel Flagpole.....	233.08	
09 91 13 00-0461 EA 1 Coat Paint, 30' High, Paint Steel Flagpole.....	314.50	
09 91 13 00-0462 EA 1 Coat Paint, 40' High, Paint Steel Flagpole.....	395.98	
09 91 13 00-0463 EA 1 Coat Paint, 50' High, Paint Steel Flagpole.....	477.46	
09 91 13 00-0464 EA 1 Coat Paint, 70' High, Paint Steel Flagpole.....	628.24	
09 91 13 00-0465 EA 1 Coat Paint, 80' High, Paint Steel Flagpole.....	708.20	
09 91 13 00-0466 EA 1 Coat Paint, 90' High, Paint Steel Flagpole.....	788.17	
09 91 13 00-0467 Paint Lattice Or Trellis (09 91 13 00-0429)		
09 91 13 00-0468 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.56	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0469	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	2.89		
		<i>For Up To 100, Add</i>		1.89	
		<i>For >100 To 250, Add</i>		0.90	
		<i>For >250 To 500, Add</i>		0.39	
09 91 13 00-0470		Paint Exterior Stairs (09 91 13)			
09 91 13 00-0471		Paint Exterior Concrete Stairs (09 91 13 00-0470)			
09 91 13 00-0472	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	17.05		
09 91 13 00-0473	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	17.05		
09 91 13 00-0474	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	23.40		
09 91 13 00-0475	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	41.82		
09 91 13 00-0476	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair.....	34.11		
09 91 13 00-0477		Paint Exterior Metal Stairs (09 91 13 00-0470)			
09 91 13 00-0478	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair.....	9.05		
		<i>For Oil Based Paint, Add</i>		0.50	
09 91 13 00-0479	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	9.05		
		<i>For Oil Based Paint, Add</i>		0.50	
09 91 13 00-0480	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	18.10		
		<i>For Oil Based Paint, Add</i>		1.00	
09 91 13 00-0481		Paint Exterior Wood Stairs (09 91 13 00-0470)			
09 91 13 00-0482	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	8.92		
09 91 13 00-0483	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	8.92		
09 91 13 00-0484	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	15.27		
09 91 13 00-0485	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	33.69		
09 91 13 00-0486	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair.....	17.84		
09 91 13 00-0487		Paint Exterior Stair Nosing (09 91 13 00-0470)			
09 91 13 00-0488	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	1.67		
09 91 13 00-0489		Paint Exterior Trim (09 91 13)			
09 91 13 00-0490		Paint Exterior Metal Trim And Gutters (09 91 13 00-0489)			
09 91 13 00-0491	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.20		
		<i>For Work >15' To 20' Above Floor, Add</i>		0.14	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>		0.24	
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>		0.38	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>		0.53	
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0492	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.30		
		<i>For Work >15' To 20' Above Floor, Add</i>		0.16	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>		0.27	
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>		0.42	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>		0.58	
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0493	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.36		
		<i>For Work >15' To 20' Above Floor, Add</i>		0.28	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>		0.47	
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>		0.75	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>		1.03	
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0494	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.09		
		<i>For Work >15' To 20' Above Floor, Add</i>		0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>		0.21	
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>		0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>		0.47	
		<i>Note: Applied only to work area above 40'.</i>			



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 13 00-0495	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.18		
	For Work >15' To 20' Above Floor, Add	0.14		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.24		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.38		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.52		
	Note: Applied only to work area above 40'.			
09 91 13 00-0496	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.12		
	For Work >15' To 20' Above Floor, Add	0.25		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.41		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.66		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.90		
	Note: Applied only to work area above 40'.			
09 91 13 00-0497	LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.87		
	For Work >15' To 20' Above Floor, Add	0.23		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.39		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.62		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.85		
	Note: Applied only to work area above 40'.			
09 91 13 00-0498	LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	2.32		
	For Work >15' To 20' Above Floor, Add	0.34		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.57		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.90		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	1.24		
	Note: Applied only to work area above 40'.			
09 91 13 00-0499	Paint Exterior Wood Trim (09 91 13 00-0489)			
09 91 13 00-0500	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.73		
	For Oil Based Paint, Add	0.11		
	For Work >15' To 20' Above Floor, Add	0.20		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.33		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.52		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.72		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.05		
	For >100 To 250, Add	0.50		
	For >250 To 500, Add	0.22		
	For >2,500 To 5,000, Deduct	-0.09		
	For >5,000 To 10,000, Deduct	-0.17		
	For >10,000 To 20,000, Deduct	-0.26		
	For >20,000, Deduct	-0.35		
09 91 13 00-0501	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.88		
	For Oil Based Paint, Add	0.12		
	For Work >15' To 20' Above Floor, Add	0.21		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.36		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.57		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.78		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.13		
	For >100 To 250, Add	0.54		
	For >250 To 500, Add	0.24		
	For >2,500 To 5,000, Deduct	-0.09		
	For >5,000 To 10,000, Deduct	-0.19		
	For >10,000 To 20,000, Deduct	-0.28		
	For >20,000, Deduct	-0.38		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0502	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	3.43	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.38	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.63	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.00	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.02	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.34	
			For >10,000 To 20,000, Deduct	-0.51	
			For >20,000, Deduct	-0.69	
09 91 13 00-0503	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.40	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0504	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.55	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0505	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.90	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.79	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.62	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000, Deduct	-0.58	
09 91 13 00-0506	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.20	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0507 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.34	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0508 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim.....	2.54	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.29	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.51	
09 91 13 00-0509 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0510 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.45	
For Epoxy Paint, Add	0.19	
For Electrostatic Painting, Add	0.20	
09 91 13 00-0511 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.32	
For Epoxy Paint, Add	0.14	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0512 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.68	
For Epoxy Paint, Add	0.30	
For Electrostatic Painting, Add	0.35	
09 91 23 Interior Painting (09 91)		
Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0339 for additional interior materials.		
09 91 23 00-0001 Paint Interior Walls (09 91 23)		
09 91 23 00-0002 Paint Interior Brick Walls (09 91 23 00-0001)		
09 91 23 00-0003 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.20	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0004	SF	1	Coat Filler, Brush Work, Paint Interior Brick Walls.....	1.07	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0005	SF	1	Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.22	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0006	SF	2	Coat Paint, Brush Work, Paint Interior Brick Walls.....	2.20	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 23 00-0007	SF	1	Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.88	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0008	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.08	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0009	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	1.88	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	
09 91 23 00-0010	SF		1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.09	
09 91 23 00-0011	SF		1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.89	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.10	
09 91 23 00-0012	SF		2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.53	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
			For Backroll, Add	0.17	
09 91 23 00-0013	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.11	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0014	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.92	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0015	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Brick Walls.....	0.84	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.10	
09 91 23 00-0016			Paint Interior Concrete Walls (09 91 23 00-0001)		
09 91 23 00-0017	SF	1	Coat Filler, Brush Work, Paint Interior Concrete Walls	0.90	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0018	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Walls	0.98	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0019 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls.....	1.82	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.63	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.86	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0020 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls.....	0.73	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0021 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0022 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.52	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0024	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.72	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Backroll, Add	0.09	
09 91 23 00-0025	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.18	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.14	
09 91 23 00-0026	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.94	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 23 00-0027	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls		0.77	
	For Work >15' To 20' Above Floor, Add		0.08	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.14	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.22	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.31	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.45	
	For >100 To 250, Add		0.22	
	For >250 To 500, Add		0.09	
	For >2,500 To 5,000, Deduct		-0.04	
	For >5,000 To 10,000, Deduct		-0.08	
	For >10,000 To 20,000, Deduct		-0.12	
	For >20,000, Deduct		-0.15	
09 91 23 00-0028	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls		0.68	
	For Work >15' To 20' Above Floor, Add		0.06	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.11	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.17	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.24	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.36	
	For >100 To 250, Add		0.18	
	For >250 To 500, Add		0.08	
	For >2,500 To 5,000, Deduct		-0.03	
	For >5,000 To 10,000, Deduct		-0.07	
	For >10,000 To 20,000, Deduct		-0.10	
	For >20,000, Deduct		-0.14	
	For Backroll, Add		0.08	
09 91 23 00-0029	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls		0.16	
	For Work >15' To 20' Above Floor, Add		0.02	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.04	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.06	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.08	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.11	
	For >100 To 250, Add		0.05	
	For >250 To 500, Add		0.02	
	For >2,500 To 5,000, Deduct		-0.01	
	For >5,000 To 10,000, Deduct		-0.02	
	For >10,000 To 20,000, Deduct		-0.02	
	For >20,000, Deduct		-0.03	
09 91 23 00-0030	Paint Interior Concrete Block Walls (09 91 23 00-0001)			
09 91 23 00-0031	Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)			
09 91 23 00-0032	LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls		0.49	
	For Work >15' To 20' Above Floor, Add		0.03	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.05	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.07	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.10	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.18	
	For >100 To 250, Add		0.09	
	For >250 To 500, Add		0.04	
	For >2,500 To 5,000, Deduct		-0.02	
	For >5,000 To 10,000, Deduct		-0.05	
	For >10,000 To 20,000, Deduct		-0.07	
	For >20,000, Deduct		-0.10	
09 91 23 00-0033	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls		1.26	
	For Work >15' To 20' Above Floor, Add		0.14	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.24	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.38	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.52	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.76	
	For >100 To 250, Add		0.36	
	For >250 To 500, Add		0.16	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.13	
	For >10,000 To 20,000, Deduct		-0.19	
	For >20,000, Deduct		-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0034	SF	1	Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.46	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0035	SF	2	Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.61	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.79	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 91 23 00-0036	SF	1	Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.04	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0037	SF	1	Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.15	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0038	SF	2	Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	2.17	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.43	



Finishes			09	9
Painting and Coating			09 90	
Painting			09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0039	SF		1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.88	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.09	
09 91 23 00-0040	SF		1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.12	
09 91 23 00-0041	SF		2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.95	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
			For Backroll, Add	0.21	
09 91 23 00-0042			Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0039)		
09 91 23 00-0043	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.83	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.05	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044	SF	1	Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.16	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0045	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.39	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0046	SF	2	Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.52	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 23 00-0047	SF	1	Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.53	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 23 00-0048	SF	1	Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 91 23 00-0049	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....		1.17	
	For Oil Based Paint, Add		0.07	
	For Work >15' To 20' Above Floor, Add		0.13	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.22	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.36	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.49	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.71	
	For >100 To 250, Add		0.34	
	For >250 To 500, Add		0.15	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.23	
09 91 23 00-0050	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....		2.10	
	For Oil Based Paint, Add		0.13	
	For Work >15' To 20' Above Floor, Add		0.23	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.39	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.62	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.85	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.24	
	For >100 To 250, Add		0.60	
	For >250 To 500, Add		0.26	
	For >2,500 To 5,000, Deduct		-0.11	
	For >5,000 To 10,000, Deduct		-0.21	
	For >10,000 To 20,000, Deduct		-0.32	
	For >20,000, Deduct		-0.42	
09 91 23 00-0051	SF 1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....		1.31	
	For Oil Based Paint, Add		0.08	
	For Work >15' To 20' Above Floor, Add		0.15	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.25	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.40	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.55	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.80	
	For >100 To 250, Add		0.38	
	For >250 To 500, Add		0.17	
	For >2,500 To 5,000, Deduct		-0.07	
	For >5,000 To 10,000, Deduct		-0.13	
	For >10,000 To 20,000, Deduct		-0.20	
	For >20,000, Deduct		-0.26	
09 91 23 00-0052	SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....		0.90	
	For Oil Based Paint, Add		0.06	
	For Work >15' To 20' Above Floor, Add		0.09	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.16	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.25	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.34	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.51	
	For >100 To 250, Add		0.25	
	For >250 To 500, Add		0.11	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.09	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.18	
	For Backroll, Add		0.11	
09 91 23 00-0053	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....		1.04	
	For Oil Based Paint, Add		0.07	
	For Work >15' To 20' Above Floor, Add		0.10	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.17	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.28	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.38	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.57	
	For >100 To 250, Add		0.28	
	For >250 To 500, Add		0.12	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.16	
	For >20,000, Deduct		-0.21	
	For Backroll, Add		0.12	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.70	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
			For Backroll, Add	0.19	
09 91 23 00-0055	SF		1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.21	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.14	
09 91 23 00-0056			Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)		
09 91 23 00-0057	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.20	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0058	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.02	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
09 91 23 00-0059	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls		0.95	
	For Work >15' To 20' Above Floor, Add		0.09	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.16	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.25	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.34	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.51	
	For >100 To 250, Add		0.25	
	For >250 To 500, Add		0.11	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.19	
	For Backroll, Add		0.11	
09 91 23 00-0060	Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)			
09 91 23 00-0061	Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)			
09 91 23 00-0062	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls		0.16	
	For Oil Based Paint, Add		0.01	
	For Work >15' To 20' Above Floor, Add		0.02	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.04	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.06	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.08	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.11	
	For >100 To 250, Add		0.05	
	For >250 To 500, Add		0.02	
	For >2,500 To 5,000, Deduct		-0.01	
	For >5,000 To 10,000, Deduct		-0.02	
	For >10,000 To 20,000, Deduct		-0.02	
	For >20,000, Deduct		-0.03	
09 91 23 00-0063	SF 1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls		0.94	
	For Oil Based Paint, Add		0.06	
	For Orange Peel Finish, Add		0.13	
	For Epoxy Paint, Add		0.10	
	For Work >15' To 20' Above Floor, Add		0.12	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.19	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.31	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.42	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.60	
	For >100 To 250, Add		0.29	
	For >250 To 500, Add		0.12	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.09	
	For >10,000 To 20,000, Deduct		-0.14	
	For >20,000, Deduct		-0.19	
09 91 23 00-0064	SF 1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....		1.00	
	For Oil Based Paint, Add		0.06	
	For Orange Peel Finish, Add		0.14	
	For Epoxy Paint, Add		0.09	
	For Work >15' To 20' Above Floor, Add		0.13	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.22	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.34	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.47	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.67	
	For >100 To 250, Add		0.32	
	For >250 To 500, Add		0.14	
	For >2,500 To 5,000, Deduct		-0.05	
	For >5,000 To 10,000, Deduct		-0.10	
	For >10,000 To 20,000, Deduct		-0.15	
	For >20,000, Deduct		-0.20	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0065	SF		2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.82	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.25	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 23 00-0066	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.75	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0067	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.86	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0068	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.52	
			For Oil Based Paint, Add	0.09	
			For Orange Peel Finish, Add	0.21	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF	1	Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls 0.67		
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0070	SF	1	Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls 0.72		
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Backroll, Add	0.09	
09 91 23 00-0071	SF	2	Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls 1.18		
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.14	
09 91 23 00-0072			Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0060)		
09 91 23 00-0073	SF	2	Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls 2.01		
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0074	SF		3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 23 00-0075	SF		4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.36	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 23 00-0076			Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)		
09 91 23 00-0077	SF		1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.83	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 23 00-0078	SF		1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.98	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0079	SF		2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.53	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	



Finishes			09	2
Painting and Coating			09 90	
Painting			09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0080	SF		Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls.....	1.52	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 23 00-0081			Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0082			Paint Interior Galvanized Walls (09 91 23 00-0081)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0083	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.22	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0084	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.34	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0085	SF		2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.46	
			For Electrostatic Painting, Add	0.36	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.92	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0087	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.05	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0088	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	1.99	
			For Electrostatic Painting, Add	0.30	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0089	SF	1	Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.82	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.08	
09 91 23 00-0090	SF	1	Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.05	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.11	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF		2 Coats Paint, Sprayed, Paint Interior Galvanized Walls 1.77		
			For Electrostatic Painting, Add	0.31	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
			For Backroll, Add	0.18	
09 91 23 00-0092			Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0081)		
			Note: Alkyd enamel paint.		
09 91 23 00-0093	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces 1.22		
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0094	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces 1.34		
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0095	SF		2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces 2.45		
			For Electrostatic Painting, Add	0.36	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.04	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0097	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.16	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0098	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.21	
			For Electrostatic Painting, Add	0.35	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 23 00-0099	SF	1	Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.90	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.09	
09 91 23 00-0100	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.05	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.11	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0101	SF		2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.77	
			For Electrostatic Painting, Add	0.31	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
			For Backroll, Add	0.18	
09 91 23 00-0102			Paint Interior Corrugated Metal Walls (09 91 23 00-0081)		
09 91 23 00-0103	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls.....	1.00	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.10	
09 91 23 00-0104	SF		1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.31	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
			For Backroll, Add	0.15	
09 91 23 00-0105	SF		2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.21	
			For Electrostatic Painting, Add	0.37	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
			For Backroll, Add	0.23	
09 91 23 00-0106			Paint Interior Stucco Walls (09 91 23 00-0001)		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0107	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.28	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.10	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 23 00-0108	SF		1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.55	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 23 00-0109	SF		1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.71	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.59	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.81	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0110	SF		2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.03	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.38	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.64	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.02	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.61	
09 91 23 00-0111	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.18	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0112	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0113	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.45	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.54	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 23 00-0114	SF	1	Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.88	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.11	
09 91 23 00-0115	SF	1	Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
			For Backroll, Add	0.13	
09 91 23 00-0116	SF	2	Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.10	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
			For Backroll, Add	0.26	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 91 23 00-0117	Paint Interior Wood Walls (09 91 23 00-0001)			
09 91 23 00-0118	Interior Wood Walls (09 91 23 00-0117)			
09 91 23 00-0119	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces		0.19	
	For Oil Based Paint, Add	0.01		
	For Work >15' To 20' Above Floor, Add	0.02		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.04		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.06		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.09		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.12		
	For >100 To 250, Add	0.06		
	For >250 To 500, Add	0.03		
	For >2,500 To 5,000, Deduct	-0.01		
	For >5,000 To 10,000, Deduct	-0.02		
	For >10,000 To 20,000, Deduct	-0.03		
	For >20,000, Deduct	-0.04		
09 91 23 00-0120	SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....		1.16	
	For Oil Based Paint, Add	0.07		
	For Work >15' To 20' Above Floor, Add	0.15		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.25		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.40		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.54		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.77		
	For >100 To 250, Add	0.36		
	For >250 To 500, Add	0.16		
	For >2,500 To 5,000, Deduct	-0.06		
	For >5,000 To 10,000, Deduct	-0.12		
	For >10,000 To 20,000, Deduct	-0.17		
	For >20,000, Deduct	-0.23		
09 91 23 00-0121	SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....		2.13	
	For Oil Based Paint, Add	0.12		
	For Work >15' To 20' Above Floor, Add	0.27		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.45		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.71		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.98		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.39		
	For >100 To 250, Add	0.66		
	For >250 To 500, Add	0.28		
	For >2,500 To 5,000, Deduct	-0.11		
	For >5,000 To 10,000, Deduct	-0.21		
	For >10,000 To 20,000, Deduct	-0.32		
	For >20,000, Deduct	-0.43		
09 91 23 00-0122	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls		0.83	
	For Oil Based Paint, Add	0.05		
	For Work >15' To 20' Above Floor, Add	0.10		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.17		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.26		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.36		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.52		
	For >100 To 250, Add	0.25		
	For >250 To 500, Add	0.11		
	For >2,500 To 5,000, Deduct	-0.04		
	For >5,000 To 10,000, Deduct	-0.08		
	For >10,000 To 20,000, Deduct	-0.12		
	For >20,000, Deduct	-0.17		



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0123	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.94	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0124	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.67	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 23 00-0125	SF	1	Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.07	
09 91 23 00-0126	SF	1	Coat Paint, Sprayed, Paint Interior Wood Walls	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0127	SF	2	Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.47	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
			For Backroll, Add	0.17	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0128		Paint Interior Ceilings ^(09 91 23)		
09 91 23 00-0129		Paint Interior Acoustical Ceilings ^(09 91 23 00-0128)		
		Note: Includes grid.		
09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.32	
		For Oil Based Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.16	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.06	
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	1.03	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	1.12	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	1.99	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.68	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.94	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0134	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.88	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0135	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.87	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0136	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.62	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0137	SF		1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.82	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0138	SF		1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0139	SF		2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.28	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
			For Backroll, Add	0.16	
09 91 23 00-0140			Paint Interior Concrete Ceilings (09 91 23 00-0128)		
09 91 23 00-0141	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.18	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0142	SF		1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.02	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0143	SF		1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.11	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.99	
For Oil Based Paint, Add	0.11	
For Epoxy Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0145 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0146 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.87	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0147 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.63	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0148	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
			For Backroll, Add	0.09	
09 91 23 00-0149	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling.....	0.79	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0150	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.26	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
			For Backroll, Add	0.15	
09 91 23 00-0151	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	



Finishes			09	9
Painting and Coating			09 90	
Painting			09 91	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION		
		UNIT COST	UNIT COST
09 91 23 00-0152	SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.82	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0153	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.81	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
	For Backroll, Add	0.10	
09 91 23 00-0154	Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0128)		
09 91 23 00-0155	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.18	
	For Epoxy Paint, Add	0.02	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.09	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.12	
	For >100 To 250, Add	0.06	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0156	SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	1.03	
	For Epoxy Paint, Add	0.10	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0157	SF		1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.12	
			For Epoxy Paint, Add	0.10	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0158	SF		2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.99	
			For Epoxy Paint, Add	0.18	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.28	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0159	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.88	
			For Epoxy Paint, Add	0.10	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0160	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.87	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0161	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.62	
			For Epoxy Paint, Add	0.17	
			For Oil Based Paint, Add	0.10	
			For Orange Peel Finish, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0162	SF		1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.82	
			For Epoxy Paint, Add	0.10	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0163	SF		1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.79	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0164	SF		2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.28	
			For Epoxy Paint, Add	0.17	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
			For Backroll, Add	0.16	
09 91 23 00-0165			Paint Interior Metal Ceilings (09 91 23 00-0128)		
09 91 23 00-0166			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0165)		
			Note: Linseed oil or acrylic latex paint.		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0167	SF	1	Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.34	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0168	SF	1	Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.47	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0169	SF	2	Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	2.70	
			For Electrostatic Painting, Add	0.38	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	
09 91 23 00-0170	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.04	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0171	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.16	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0172	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.15	
	For Electrostatic Painting, Add	0.31	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.39	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.62	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.85	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.25	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 23 00-0173	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.05	
	For Electrostatic Painting, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
	For Backroll, Add	0.11	
09 91 23 00-0174	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.20	
	For Electrostatic Painting, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
	For Backroll, Add	0.14	
09 91 23 00-0175	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.93	
	For Electrostatic Painting, Add	0.32	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
	For Backroll, Add	0.20	
09 91 23 00-0176	Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0165)		
	Note: Alkyd enamel paint.		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.34	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0178	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.47	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0179	SF		2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.70	
			For Electrostatic Painting, Add	0.38	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	
09 91 23 00-0180	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.16	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0181	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.28	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0182	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.44	
			For Electrostatic Painting, Add	0.37	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 23 00-0183	SF		1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.05	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.11	
09 91 23 00-0184	SF		1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.20	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.14	
09 91 23 00-0185	SF		2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.93	
			For Electrostatic Painting, Add	0.32	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
			For Backroll, Add	0.20	
09 91 23 00-0186			Paint Interior Ceiling Tile Grid (09 91 23 00-0165)		
			Note: Grid only.		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.28	
			For Electrostatic Painting, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 23 00-0188	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.57	
			For Electrostatic Painting, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 23 00-0189			Paint Interior Corrugated Metal Ceilings (09 91 23 00-0165)	1.39	
09 91 23 00-0190	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.39	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
			For Backroll, Add	0.15	
09 91 23 00-0191	SF		1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.59	
			For Electrostatic Painting, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
			For Backroll, Add	0.18	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0192	SF		2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.58	
			For Electrostatic Painting, Add	0.43	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
			For Backroll, Add	0.27	
09 91 23 00-0193			Paint Interior Wood Ceilings (09 91 23 00-0128)		
09 91 23 00-0194			Paint Interior Smooth Wood Ceilings (09 91 23 00-0193)		
09 91 23 00-0195	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.21	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0196	SF		1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.25	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0197	SF		1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF		2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.38	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 23 00-0199	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.02	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0200	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0201	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.07	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0202	SF		1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.83	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.10	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0203	SF		1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.13	
09 91 23 00-0204	SF		2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.49	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
			For Backroll, Add	0.18	
09 91 23 00-0205			Paint Interior Wood Beams (09 91 23 00-0128)		
09 91 23 00-0206	SF		1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.39	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0207	SF		1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.42	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF		2 Coats Paint, Brush Work, Paint Interior Wood Beams.....	2.60	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.55	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.70	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 91 23 00-0209	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.12	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0210	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0211	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams.....	2.07	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0212	SF		1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.13	



		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213	SF	1	Coat Paint, Sprayed, Paint Interior Wood Beams.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.13	
09 91 23 00-0214	SF	2	Coats Paint, Sprayed, Paint Interior Wood Beams.....	1.62	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.66	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
			For Backroll, Add	0.20	
09 91 23 00-0215 Paint Interior Floors And Decks (09 91 23)					
09 91 23 00-0216 Paint Interior Concrete Floors And Decks (09 91 23 00-0215)					
09 91 23 00-0217	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....	0.14	
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 23 00-0218	SF	1	Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0219	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	0.87	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0220	SF	2	Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.71	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.17	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0221	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 23 00-0222	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.75	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0223	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	1.23	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.15	
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 23 00-0224	SF		1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.07	
09 91 23 00-0225	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0226	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	1.13	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.16	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
			For Backroll, Add	0.13	
09 91 23 00-0227	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks.....	0.82	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0228	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.81	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.67	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0230	SF	1	Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.42	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 23 00-0231	SF	1	Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.03	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000 To 20,000, Deduct	-1.05	
			For >20,000, Deduct	-1.41	
09 91 23 00-0232 Paint Interior Wood Floors And Decks (09 91 23 00-0215)					
09 91 23 00-0233	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.17	
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
09 91 23 00-0234	SF	1	Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	0.98	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0235	SF	1	Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.06	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0236	SF	2	Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.00	
			For Oil Based Paint, Add	0.12	
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0237	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0238	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.85	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.70	
			For Oil Based Paint, Add	0.11	
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0240	SF		1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.68	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
			For Backroll, Add	0.08	
09 91 23 00-0241	SF		1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.83	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.10	
09 91 23 00-0242	SF		2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks.....	1.21	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.14	
09 91 23 00-0243	SF		1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.43	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.49	
09 91 23 00-0244	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks.....	7.03	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000 To 20,000, Deduct	-1.05	
			For >20,000, Deduct	-1.41	
09 91 23 00-0245			Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0246			Paint Interior Door Frames (09 91 23 00-0245)		
09 91 23 00-0247	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.18	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.31	
09 91 23 00-0248	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.53	
			For Oil Based Paint, Add	0.08	
			For Painting One Face Of Frame Only, Deduct	-0.40	
09 91 23 00-0249	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	2.58	
			For Oil Based Paint, Add	0.14	
			For Painting One Face Of Frame Only, Deduct	-0.68	
09 91 23 00-0250	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.23	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.33	
09 91 23 00-0251	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.58	
			For Oil Based Paint, Add	0.09	
			For Painting One Face Of Frame Only, Deduct	-0.42	
09 91 23 00-0252	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	2.66	
			For Oil Based Paint, Add	0.15	
			For Painting One Face Of Frame Only, Deduct	-0.71	
09 91 23 00-0253			Paint Interior Metal Doors (09 91 23 00-0245)		



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0254	EA	1	Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	60.81	
			For Electrostatic Painting, Add	9.88	
			For Half Louvered Door, Add	5.32	
			For Full Louvered Door, Add	8.87	
			For Oil Based Paint, Add	4.31	
			For >5 To 10, Deduct	-3.04	
			For >10 To 25, Deduct	-6.08	
			For >25, Deduct	-9.12	
09 91 23 00-0255	EA	1	Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	60.81	
			For Electrostatic Painting, Add	9.88	
			For Half Louvered Door, Add	5.32	
			For Full Louvered Door, Add	8.87	
			For Oil Based Paint, Add	4.31	
			For >5 To 10, Deduct	-3.04	
			For >10 To 25, Deduct	-6.08	
			For >25, Deduct	-9.12	
09 91 23 00-0256	EA	2	Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	110.27	
			For Electrostatic Painting, Add	18.58	
			For Half Louvered Door, Add	8.98	
			For Full Louvered Door, Add	14.97	
			For Oil Based Paint, Add	8.03	
			For >5 To 10, Deduct	-5.51	
			For >10 To 25, Deduct	-11.03	
			For >25, Deduct	-16.54	
09 91 23 00-0257	EA	1	Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	109.12	
			For Electrostatic Painting, Add	17.74	
			For Half Louvered Door, Add	9.54	
			For Full Louvered Door, Add	15.89	
			For Oil Based Paint, Add	7.73	
			For >5 To 10, Deduct	-5.46	
			For >10 To 25, Deduct	-10.91	
			For >25, Deduct	-16.37	
09 91 23 00-0258	EA	1	Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	109.13	
			For Electrostatic Painting, Add	17.75	
			For Half Louvered Door, Add	9.54	
			For Full Louvered Door, Add	15.90	
			For Oil Based Paint, Add	7.73	
			For >5 To 10, Deduct	-5.46	
			For >10 To 25, Deduct	-10.91	
			For >25, Deduct	-16.37	
09 91 23 00-0259	EA	2	Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	198.68	
			For Electrostatic Painting, Add	33.53	
			For Half Louvered Door, Add	16.14	
			For Full Louvered Door, Add	26.89	
			For Oil Based Paint, Add	14.49	
			For >5 To 10, Deduct	-9.93	
			For >10 To 25, Deduct	-19.87	
			For >25, Deduct	-29.80	
09 91 23 00-0260	EA	1	Coat Primer, Sprayed, One Face, Paint Interior Metal Door	54.59	
			For Electrostatic Painting, Add	9.64	
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For Oil Based Paint, Add	4.12	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-5.46	
			For >25, Deduct	-8.19	
			For Backroll, Add	5.40	
09 91 23 00-0261	EA	1	Coat Paint, Sprayed, One Face, Paint Interior Metal Door	54.59	
			For Electrostatic Painting, Add	9.64	
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For Oil Based Paint, Add	4.12	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-5.46	
			For >25, Deduct	-8.19	
			For Backroll, Add	5.40	
09 91 23 00-0262	EA	2	Coats Paint, Sprayed, One Face, Paint Interior Metal Door	100.52	
			For Electrostatic Painting, Add	18.36	
			For Half Louvered Door, Add	6.77	
			For Full Louvered Door, Add	11.28	
			For Oil Based Paint, Add	7.80	
			For >5 To 10, Deduct	-5.03	
			For >10 To 25, Deduct	-10.05	
			For >25, Deduct	-15.08	
			For Backroll, Add	9.54	
09 91 23 00-0263	EA	1	Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	98.01	
			For Electrostatic Painting, Add	17.32	
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For Oil Based Paint, Add	7.41	
			For >5 To 10, Deduct	-4.90	
			For >10 To 25, Deduct	-9.80	
			For >25, Deduct	-14.70	
			For Backroll, Add	9.69	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0264	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	98.01	
			For Electrostatic Painting, Add	17.32	
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For Oil Based Paint, Add	7.41	
			For >5 To 10, Deduct	-4.90	
			For >10 To 25, Deduct	-9.80	
			For >25, Deduct	-14.70	
			For Backroll, Add	9.69	
09 91 23 00-0265	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	181.27	
			For Electrostatic Painting, Add	33.16	
			For Half Louvered Door, Add	12.16	
			For Full Louvered Door, Add	20.26	
			For Oil Based Paint, Add	14.07	
			For >5 To 10, Deduct	-9.06	
			For >10 To 25, Deduct	-18.13	
			For >25, Deduct	-27.19	
			For Backroll, Add	17.17	
09 91 23 00-0266 Paint Interior Wood Doors (09 91 23 00-0245)					
09 91 23 00-0267	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	51.93	
			For Oil Based Paint, Add	3.42	
			For Half Louvered Door, Add	5.32	
			For Full Louvered Door, Add	8.87	
			For >5 To 10, Deduct	-2.60	
			For >10 To 25, Deduct	-5.19	
			For >25, Deduct	-7.79	
09 91 23 00-0268	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	51.93	
			For Oil Based Paint, Add	3.42	
			For Half Louvered Door, Add	5.32	
			For Full Louvered Door, Add	8.87	
			For >5 To 10, Deduct	-2.60	
			For >10 To 25, Deduct	-5.19	
			For >25, Deduct	-7.79	
09 91 23 00-0269	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	92.63	
			For Oil Based Paint, Add	6.27	
			For Half Louvered Door, Add	8.99	
			For Full Louvered Door, Add	14.98	
			For >5 To 10, Deduct	-4.63	
			For >10 To 25, Deduct	-9.26	
			For >25, Deduct	-13.89	
09 91 23 00-0270	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	93.17	
			For Oil Based Paint, Add	6.14	
			For Half Louvered Door, Add	9.54	
			For Full Louvered Door, Add	15.90	
			For >5 To 10, Deduct	-4.66	
			For >10 To 25, Deduct	-9.32	
			For >25, Deduct	-13.98	
09 91 23 00-0271	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	93.17	
			For Oil Based Paint, Add	6.14	
			For Half Louvered Door, Add	9.54	
			For Full Louvered Door, Add	15.90	
			For >5 To 10, Deduct	-4.66	
			For >10 To 25, Deduct	-9.32	
			For >25, Deduct	-13.98	
09 91 23 00-0272	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	166.76	
			For Oil Based Paint, Add	11.30	
			For Half Louvered Door, Add	16.14	
			For Full Louvered Door, Add	26.89	
			For >5 To 10, Deduct	-8.34	
			For >10 To 25, Deduct	-16.68	
			For >25, Deduct	-25.01	
09 91 23 00-0273	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	44.82	
			For Oil Based Paint, Add	3.15	
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For >5 To 10, Deduct	-2.24	
			For >10 To 25, Deduct	-4.48	
			For >25, Deduct	-6.72	
			For Backroll, Add	4.91	
09 91 23 00-0274	EA		1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	44.82	
			For Oil Based Paint, Add	3.15	
			For Half Louvered Door, Add	4.01	
			For Full Louvered Door, Add	6.68	
			For >5 To 10, Deduct	-2.24	
			For >10 To 25, Deduct	-4.48	
			For >25, Deduct	-6.72	
			For Backroll, Add	4.91	
09 91 23 00-0275	EA		2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	81.13	
			For Oil Based Paint, Add	5.86	
			For Half Louvered Door, Add	6.77	
			For Full Louvered Door, Add	11.28	
			For >5 To 10, Deduct	-4.06	
			For >10 To 25, Deduct	-8.11	
			For >25, Deduct	-12.17	
			For Backroll, Add	8.57	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0276	EA		1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	80.45	
			For Oil Based Paint, Add	5.65	
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For >5 To 10, Deduct	-4.02	
			For >10 To 25, Deduct	-8.05	
			For >25, Deduct	-12.07	
			For Backroll, Add	8.81	
09 91 23 00-0277	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	80.45	
			For Oil Based Paint, Add	5.65	
			For Half Louvered Door, Add	7.19	
			For Full Louvered Door, Add	11.98	
			For >5 To 10, Deduct	-4.02	
			For >10 To 25, Deduct	-8.05	
			For >25, Deduct	-12.07	
			For Backroll, Add	8.81	
09 91 23 00-0278	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	146.15	
			For Oil Based Paint, Add	10.56	
			For Half Louvered Door, Add	12.16	
			For Full Louvered Door, Add	20.26	
			For >5 To 10, Deduct	-7.31	
			For >10 To 25, Deduct	-14.62	
			For >25, Deduct	-21.92	
			For Backroll, Add	15.41	
09 91 23 00-0279 Paint Interior Metal Windows (09 91 23 00-0245)					
Note: Two finish coats paint over rust inhibitive primer.					
09 91 23 00-0280	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	96.32	
			For Oil Based Paint, Add	5.66	
			For Electrostatic Painting, Add	12.16	
			For >5 To 10, Deduct	-4.82	
			For >10 To 25, Deduct	-9.63	
			For >25, Deduct	-14.45	
09 91 23 00-0281	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	117.71	
			For Oil Based Paint, Add	7.19	
			For Electrostatic Painting, Add	15.67	
			For >5 To 10, Deduct	-5.89	
			For >10 To 25, Deduct	-11.77	
			For >25, Deduct	-17.66	
09 91 23 00-0282	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	159.23	
			For Oil Based Paint, Add	9.81	
			For Electrostatic Painting, Add	21.47	
			For >5 To 10, Deduct	-7.96	
			For >10 To 25, Deduct	-15.92	
			For >25, Deduct	-23.88	
09 91 23 00-0283	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	179.35	
			For Oil Based Paint, Add	11.06	
			For Electrostatic Painting, Add	24.20	
			For >5 To 10, Deduct	-8.97	
			For >10 To 25, Deduct	-17.94	
			For >25, Deduct	-26.90	
09 91 23 00-0284	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	198.78	
			For Oil Based Paint, Add	12.24	
			For Electrostatic Painting, Add	26.77	
			For >5 To 10, Deduct	-9.94	
			For >10 To 25, Deduct	-19.88	
			For >25, Deduct	-29.82	
09 91 23 00-0285	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.31	
			For Oil Based Paint, Add	0.39	
			For Electrostatic Painting, Add	0.85	
09 91 23 00-0286 Paint Interior Wood Windows (09 91 23 00-0245)					
Note: Two finish coats paint over primer.					
09 91 23 00-0287	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	90.43	
			For Oil Based Paint, Add	5.07	
			For >5 To 10, Deduct	-4.52	
			For >10 To 25, Deduct	-9.04	
			For >25, Deduct	-13.56	
09 91 23 00-0288	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	108.60	
			For Oil Based Paint, Add	6.28	
			For >5 To 10, Deduct	-5.43	
			For >10 To 25, Deduct	-10.86	
			For >25, Deduct	-16.29	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	154.88	
			For Oil Based Paint, Add	8.94	
			For >5 To 10, Deduct	-7.74	
			For >10 To 25, Deduct	-15.49	
			For >25, Deduct	-23.23	
09 91 23 00-0290	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	174.38	
			For Oil Based Paint, Add	10.08	
			For >5 To 10, Deduct	-8.72	
			For >10 To 25, Deduct	-17.44	
			For >25, Deduct	-26.16	
09 91 23 00-0291	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	182.69	
			For Oil Based Paint, Add	10.63	
			For >5 To 10, Deduct	-9.13	
			For >10 To 25, Deduct	-18.27	
			For >25, Deduct	-27.40	
09 91 23 00-0292	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work.....	6.10	
			For Oil Based Paint, Add	0.35	
09 91 23 00-0293			Paint Interior Security Screens (09 91 23 00-0245)		
09 91 23 00-0294	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.56	
			For Oil Based Paint, Add	0.10	
			For Electrostatic Painting, Add	0.21	
09 91 23 00-0295	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Electrostatic Painting, Add	0.20	
09 91 23 00-0296	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen.....	2.60	
			For Oil Based Paint, Add	0.15	
			For Electrostatic Painting, Add	0.33	
09 91 23 00-0297			Paint Interior Window Guards (09 91 23 00-0245)		
09 91 23 00-0298	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.56	
			For Oil Based Paint, Add	0.10	
09 91 23 00-0299	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards.....	1.57	
			For Oil Based Paint, Add	0.09	
09 91 23 00-0300	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.60	
			For Oil Based Paint, Add	0.15	
09 91 23 00-0301			Paint Interior Window Trim (09 91 23 00-0245)		
09 91 23 00-0302	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim.....	1.45	
			For Oil Based Paint, Add	0.09	
			For Painting One Face Of Frame Only, Deduct	-0.41	
09 91 23 00-0303	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.45	
			For Oil Based Paint, Add	0.09	
			For Painting One Face Of Frame Only, Deduct	-0.41	
09 91 23 00-0304	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.18	
			For Oil Based Paint, Add	0.19	
			For Painting One Face Of Frame Only, Deduct	-0.89	
09 91 23 00-0305	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	1.70	
			Note: Brush/roller work.		
			For Painting One Face Of Frame Only, Deduct	-0.51	
09 91 23 00-0306	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim.....	1.70	
			Note: Brush/roller work.		
			For Painting One Face Of Frame Only, Deduct	-0.51	
09 91 23 00-0307	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim.....	3.67	
			Note: Brush/roller work.		
			For Painting One Face Of Frame Only, Deduct	-1.09	
09 91 23 00-0308			Paint Interior Cabinets And Casework (09 91 23)		
09 91 23 00-0309			Paint Interior Wood Cabinets And Casework (09 91 23 00-0308)		
09 91 23 00-0310	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.31	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.20	
09 91 23 00-0311	SF		1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	1.80	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.27	
09 91 23 00-0312	SF		1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	2.95	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.44	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0313		Paint Exposed Metal Lockers And Cabinets (09 91 23 00-0308)		
09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.45	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.22	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.44	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.22	
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.68	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.40	
09 91 23 00-0317		Paint Interior Stairs (09 91 23)		
09 91 23 00-0318		Paint Interior Concrete Stairs (09 91 23 00-0317)		
		Note: Includes the riser and tread.		
09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	18.67	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	18.67	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	16.18	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	34.60	
		Note: Excludes riser.		
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	37.33	
09 91 23 00-0324		Paint Interior Metal Stairs (09 91 23 00-0317)		
		Note: Includes the riser and tread.		
09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	10.34	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	9.96	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	19.91	
09 91 23 00-0328		Paint Interior Wood Stairs (09 91 23 00-0317)		
		Note: Includes the riser and tread.		
09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	9.64	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	9.63	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	11.66	
		Note: Excludes riser.		
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	30.08	
		Note: Excludes riser.		
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	19.25	
09 91 23 00-0334		Paint Interior Stair Nosing (09 91 23 00-0317)		
09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.62	
09 91 23 00-0336		Paint Interior Trim (09 91 23)		
09 91 23 00-0337		Paint Interior Metal Trim (09 91 23 00-0336)		
09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.30	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.42	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.65	
		Note: Applied only to work area above 40'.		
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.56	
		For Work >15' To 20' Above Floor, Add	0.31	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.52	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.83	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.14	
		Note: Applied only to work area above 40'.		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0341	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.19	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.15	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
09 91 23 00-0344 Paint Interior Wood Trim (09 91 23 00-0336)					
09 91 23 00-0345	LF	1	Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.80	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.04	
09 91 23 00-0346	LF	1	Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.89	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.05	
09 91 23 00-0347	LF	2	Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.86	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.70	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.96	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.10	
09 91 23 00-0348	SF	1	Coat Primer, Brush Work, Paint Interior Wood Trim	2.49	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.55	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.20	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.14	
09 91 23 00-0349	SF	1	Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.77	
			For Work >15' To 20' Above Floor, Add	0.36	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.61	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.97	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.33	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.16	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0350	SF		2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	5.02	
			For Work >15' To 20' Above Floor, Add	0.65	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	1.08	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.73	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	2.38	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.29	
09 91 23 00-0351	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	2.04	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.12	
09 91 23 00-0352	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.29	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.07	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.13	
09 91 23 00-0353	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	4.13	
			For Work >15' To 20' Above Floor, Add	0.51	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.86	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.89	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.24	
09 91 23 00-0354			Paint Interior Metal Surfaces (09 91 23)		
09 91 23 00-0355			Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0354)		
09 91 23 00-0356	SF		1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.89	
			For Electrostatic Painting, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0357	SF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.08	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0358	SF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.87	
			For Electrostatic Painting, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 23 00-0359	SF		1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.22	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.16	
09 91 23 00-0360	SF		1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.22	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Backroll, Add	0.16	
09 91 23 00-0361	SF		2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.99	
			For Electrostatic Painting, Add	0.28	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.59	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.81	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
			For Backroll, Add	0.25	
09 91 23 00-0362	LF		1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.18	
			For Electrostatic Painting, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	



		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0363 Paint Additives (09 91 23)

09 91 23 00-0364	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02		
09 91 23 00-0365	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08		
		For Class "A" Fire Rating, Add	0.08		

09 91 23 00-0366 Hand Painting Letters/Numbers (09 91 23)

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0367	EA	Up To 1" High, Hand Paint, Per Letter/Number	2.51		
09 91 23 00-0368	EA	1" To 2" High, Hand Paint, Per Letter/Number.....	2.92		
09 91 23 00-0369	EA	2" To 3" High, Hand Paint, Per Letter/Number.....	4.41		
09 91 23 00-0370	EA	3" To 4" High, Hand Paint, Per Letter/Number.....	5.39		
09 91 23 00-0371	EA	4" To 6" High, Hand Paint, Per Letter/Number.....	7.44		
09 91 23 00-0372	EA	6" To 12" High, Hand Paint, Per Letter/Number.....	9.43		
09 91 23 00-0373	EA	Over 12" High, Hand Paint, Per Letter/Number	11.05		

09 91 23 00-0374 Glove/Mitt Application (09 91 23)

09 91 23 00-0375 Conduit/Pipe (09 91 23 00-0374)

09 91 23 00-0376	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	47.30		
		For Work >15' To 20' Above Floor, Add	6.60		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	11.01		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	17.61		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	24.21		
		Note: Applied only to work area above 40'.			
09 91 23 00-0377	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt.....	79.31		
		For Work >15' To 20' Above Floor, Add	7.92		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	13.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	21.13		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	29.05		
		Note: Applied only to work area above 40'.			
09 91 23 00-0378	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	62.59		
		For Work >15' To 20' Above Floor, Add	5.81		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	9.68		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	15.49		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	21.30		
		Note: Applied only to work area above 40'.			
09 91 23 00-0379	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	51.40		
		For Work >15' To 20' Above Floor, Add	4.36		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	7.27		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	11.62		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	15.98		
		Note: Applied only to work area above 40'.			
09 91 23 00-0380	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	97.90		
		For Work >15' To 20' Above Floor, Add	6.60		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	11.01		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	17.61		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	24.21		
		Note: Applied only to work area above 40'.			
09 91 23 00-0381	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	90.38		
		For Work >15' To 20' Above Floor, Add	5.81		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	9.68		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	15.49		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	21.30		
		Note: Applied only to work area above 40'.			

09 91 23 00-0382 Ductwork (09 91 23 00-0374)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0383	CSF		Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	47.30	
			For Work >15' To 20' Above Floor, Add	6.60	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	11.01	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	17.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	24.21	
			Note: Applied only to work area above 40'.		
09 91 23 00-0384	CSF		Metal Primer Ductwork With Glove/Mitt	76.94	
			For Work >15' To 20' Above Floor, Add	6.60	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	11.01	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	17.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	24.21	
			Note: Applied only to work area above 40'.		
09 91 23 00-0385	CSF		Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	56.87	
			For Work >15' To 20' Above Floor, Add	5.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	8.80	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	14.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	19.37	
			Note: Applied only to work area above 40'.		
09 91 23 00-0386	CSF		Epoxy Paint, First Coat Ductwork With Glove/Mitt	94.03	
			For Work >15' To 20' Above Floor, Add	6.60	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	11.01	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	17.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	24.21	
			Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF		Epoxy Paint, Second Coat Ductwork With Glove/Mitt	82.09	
			For Work >15' To 20' Above Floor, Add	5.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	8.80	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	14.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	19.37	
			Note: Applied only to work area above 40'.		
09 91 23 00-0388			Stencil Painting Letters/Numbers (09 91 23)		
			Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0389	EA		Up To 1" High, Stencil Painting, Per Letter/Number	2.05	
			For >200 To 500, Deduct	-0.16	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000 To 2,000, Deduct	-0.33	
			For >2,000, Deduct	-0.41	
09 91 23 00-0390	EA		1" To 2" High, Stencil Painting, Per Letter/Number	2.37	
			For >200 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000, Deduct	-0.47	
09 91 23 00-0391	EA		2" To 3" High, Stencil Painting, Per Letter/Number	3.97	
			For >200 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.50	
			For >1,000 To 2,000, Deduct	-0.64	
			For >2,000, Deduct	-0.79	
09 91 23 00-0392	EA		3" To 4" High, Stencil Painting, Per Letter/Number	4.89	
			For >200 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.61	
			For >1,000 To 2,000, Deduct	-0.78	
			For >2,000, Deduct	-0.98	
09 91 23 00-0393	EA		4" To 6" High, Stencil Painting, Per Letter/Number	6.72	
			For >200 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.08	
			For >2,000, Deduct	-1.34	
09 91 23 00-0394	EA		6" To 12" High, Stencil Painting, Per Letter/Number	8.92	
			For >200 To 500, Deduct	-0.71	
			For >500 To 1,000, Deduct	-1.12	
			For >1,000 To 2,000, Deduct	-1.43	
			For >2,000, Deduct	-1.78	
09 91 23 00-0395	EA		Over 12" High, Stencil Painting, Per Letter/Number	10.52	
			For >200 To 500, Deduct	-0.84	
			For >500 To 1,000, Deduct	-1.32	
			For >1,000 To 2,000, Deduct	-1.68	
			For >2,000, Deduct	-2.10	



Finishes			09
Painting and Coating			09 90
Painting			09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	62.70
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	143.49
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack.....	41.78
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	51.70
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	39.95
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	36.30
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	53.27
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	107.32
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	33.42
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	86.43
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	53.89
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	60.81

09 91 33 00-0022 Paint (09 91 33)

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	29.24
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	145.01
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	15.67
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.			
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	90.61
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	47.52
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	20.81
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	31.56
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	86.07
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	84.97
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	69.36
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base.....	63.58
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	60.34
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	71.10
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	63.12
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	89.85
09 91 33 00-0038	GAL	Cold Galvanizing Paint	372.72
09 91 33 00-0039	GAL	High Heat Paint.....	151.93
09 91 33 00-0040	GAL	Heat Resistant Paint	101.29
09 91 33 00-0041	GAL	Zinc Chromate Paint	91.64
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	36.17
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	101.29
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	63.12
09 91 33 00-0045	GAL	Alkyd Latex, Black	75.16
09 91 33 00-0046	GAL	Alkyd Latex, White	68.33
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	82.40
09 91 33 00-0048	QT	Wrought Iron Paint, Black	92.45
09 91 33 00-0049	GAL	Vinyl Paint.....	79.90
09 91 33 00-0050	GAL	Silicone Alkyd	97.13
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	98.70
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	123.77
09 91 33 00-0053	GAL	Chlorinated Rubber.....	90.87
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	94.00
09 91 33 00-0055	GAL	Coal Tar Epoxy	67.37
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	84.08
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	109.67
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	75.20
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	47.78
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	58.88
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	97.92
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	33.16
09 91 33 00-0063	GAL	Linseed Oil.....	28.98
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	47.52
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	53.53
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	48.96
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	39.34

09 91 33 00-0068 Stain, Varnish (09 91 33)

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	27.16
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	50.66
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	45.17
09 91 33 00-0072	GAL	Varnish, Clear.....	47.42
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.44

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0074	GAL		Redwood Hue Or Clear Stain	30.78	
09 91 33 00-0075	GAL		Polyurethane.....	54.04	
09 91 33 00-0076	GAL		Lacquer, Semi-Gloss	47.66	
09 91 33 00-0077	GAL		Shellac, Clear	62.53	
09 91 33 00-0078	GAL		Acetone.....	20.63	
09 91 33 00-0079	GAL		Paint Thinner	5.09	
09 91 33 00-0080	GAL		Shellac Or Lacquer Thinner	20.89	
09 91 33 00-0081	GAL		Turpentine.....	28.72	
09 91 33 00-0082	GAL		Wood Filler Paste	49.09	
09 91 33 00-0083	GAL		Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	39.17	
09 91 33 00-0084	GAL		Water Based Alkyd Urethane (Sherwin Williams B53W01153)	109.22	
09 91 43			Surface Preparation (09 91)		
			See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.		
09 91 43 00-0001			Protection Of Surfaces (09 91 43)		
09 91 43 00-0002	SF		Drop Cloths.....	0.42	
			Note: Remove after use.		
09 91 43 00-0003	LF		Painter Masking Tape.....	0.29	
			Note: Remove after use.		
09 93			Staining and Transparent Finishing (09 90)		
			Note: Includes light sanding or screening between coats.		
09 93 13			Exterior Staining and Finishing (09 93)		
09 93 13 13			Exterior Staining (09 93 13)		
09 93 13 13-0001			Wood Wall, Deck, Ceiling Finishes (09 93 13 13)		
09 93 13 13-0002			Stain Wood Walls (09 93 13 13-0001)		
09 93 13 13-0003			Stain Smooth Wood Walls (09 93 13 13-0002)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 93 13 13-0004	SF		Stain Exterior Wood Smooth Siding, 1 Coat Stain, Brush Work	1.01	
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 93 13 13-0005	SF		Stain Exterior Wood Smooth Siding, 2 Coats Stain, Brush Work	1.83	
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.37	
09 93 13 13-0006	SF		Stain Exterior Wood Smooth Siding, 1 Coat Stain, Sprayed.....	0.80	
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 93 13 13-0007	SF		Stain Exterior Wood Smooth Siding, 2 Coats Stain, Sprayed.....	1.30	
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 93 13 13-0008			Stain Rough Wood Walls (09 93 13 13-0002)		
			Note: Includes shingles, shakes or rough sawn siding.		



		Finishes	09	
		Painting and Coating	09 90	
		Staining and Transparent Finishing	09 93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0009	SF		Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Brush Work.....	1.47	
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 93 13 13-0010	SF		Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Brush Work.....	2.72	
			For Work >20' To 30' Above Floor, Add	0.57	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.78	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	
09 93 13 13-0011	SF		Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Sprayed	1.15	
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 93 13 13-0012	SF		Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Sprayed	2.18	
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 93 13 13-0013			Stain Wood Ceilings (09 93 13 13-0001)		
09 93 13 13-0014			Stain Smooth Wood Ceilings (09 93 13 13-0013)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 93 13 13-0015	SF		Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Brush Work	1.11	
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 93 13 13-0016	SF		Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Brush Work	2.02	
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 93 13 13-0017	SF		Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Sprayed.....	0.72	
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 93 13 13-0018	SF		Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Sprayed.....	1.32	
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

09 Finishes**09 90 Painting and Coating****09 93 Staining and Transparent Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0019			Ceilings Rough Wood (09 93 13 13-0013) Note: Includes shingles, shakes or rough sawn siding.		
09 93 13 13-0020	SF		Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Brush Work	1.61	
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 93 13 13-0021	SF		Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Brush Work	2.81	
			For Work >20' To 30' Above Floor, Add	0.59	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.84	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.42	
			For >20,000, Deduct	-0.56	
09 93 13 13-0022	SF		Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Sprayed.....	1.28	
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 93 13 13-0023	SF		Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Sprayed.....	2.32	
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 93 13 13-0024			Stain Wood Decks (09 93 13 13-0001)		
09 93 13 13-0025	SF		Stain Exterior Wood Floors And Decks, 1 Coat Stain, Brush Work	0.92	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 93 13 13-0026	SF		Stain Exterior Wood Floors And Decks, 2 Coats Stain, Brush Work.....	1.73	
			For Oil Based Paint, Add	0.11	
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 93 13 13-0027	SF		Stain Exterior Wood Floors And Decks, 1 Coat Stain, Sprayed.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 93 13 13-0028	SF		Stain Exterior Wood Floors And Decks, 2 Coats Stain, Sprayed.....	1.18	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 93 13 13-0029			Stain Wood Posts And Trim (09 93 13 13-0001)		



		Finishes	09	2
		Painting and Coating	09 90	
		Staining and Transparent Finishing	09 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0030 SF Stain Exterior Wood Posts And Trim, 1 Coat Stain, Brush Work.....	1.65	
For Oil Based Paint, Add	0.10	
09 93 13 13-0031 SF Stain Exterior Wood Posts And Trim, 2 Coats Stain, Brush Work.....	3.00	
For Oil Based Paint, Add	0.19	
09 93 13 13-0032 SF Stain Exterior Wood Posts And Trim, 1 Coat Stain, Sprayed.....	1.35	
For Oil Based Paint, Add	0.09	
09 93 13 13-0033 SF Stain Exterior Wood Posts And Trim, 2 Coats Stain, Sprayed.....	2.53	
For Oil Based Paint, Add	0.16	
09 93 13 13-0034 Pre-Stain Wood Conditioner (09 93 13 13)		
Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0035 SF Pre-Stain Wood Conditioner, Brush/Roller Work.....	0.89	
For Ceiling Work, Add	0.10	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 93 13 13-0036 Rustic Brown Stain, Field Applied (Natina Or Equal) (09 93 13 13)		
09 93 13 13-0037 LF Stain Existing Chain Link Fence, Up To 6' Height, Rustic Brown Finish.....	10.91	
Note: Includes posts and both sides		
09 93 13 13-0038 LF Stain Existing Chain Link Fence, >6' To 10' Height, Rustic Brown Finish.....	18.18	
Note: Includes posts and both sides		
09 93 13 13-0039 LF Stain Existing Cable Barrier Fence, Rustic Brown Finish.....	6.01	
Note: Includes posts and all sides		
09 93 13 13-0040 EA Stain Existing Gate, Up To 6' Wide, Rustic Brown Finish.....	156.48	
Note: Includes posts and both sides		
09 93 13 13-0041 EA Stain Existing Gate, >6' To 10' Wide, Rustic Brown Finish.....	260.79	
Note: Includes posts and both sides		
09 93 13 13-0042 EA Stain Existing Gate, >10' To 16' Wide, Rustic Brown Finish.....	417.28	
Note: Includes posts and both sides		
09 93 13 13-0043 LF Stain Existing Up To 4" Diameter Pole, Rustic Brown Finish.....	3.23	
09 93 13 13-0044 LF Stain Existing 6" To 8" Diameter Pole, Rustic Brown Finish.....	4.14	
09 93 13 13-0045 LF Stain Existing 10" To 12" Diameter Pole, Rustic Brown Finish.....	5.60	
09 93 13 13-0046 SF Stain Existing Steel Surface, Rustic Brown Finish.....	1.26	
Note: Single side		
09 93 13 53 Exterior Finishing (09 93 13)		
09 93 13 53-0001 Stain Sealer (09 93 13 53)		
Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002 SF Stain Sealer, Brush Work.....	0.99	
For Ceiling Work, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 93 13 53-0003 SF Stain Sealer, Brush/Roller Work.....	0.80	
For Ceiling Work, Add	0.10	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 93 13 53-0004 SF Stain Sealer, Sprayed.....	0.33	
For Ceiling Work, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 93 23 Interior Staining and Finishing (09 93)		
Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 13 Interior Staining (09 93 23)		
09 93 23 13-0001 Stain Wood Trim (09 93 23 13)		
09 93 23 13-0002 LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.19	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >4,000, Deduct	-0.06	
09 93 23 13-0003 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.78	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >4,000, Deduct	-0.09	
09 93 23 13-0004 Stain Wood Floor (09 93 23 13)		
09 93 23 13-0005 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.59	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >4,000, Deduct	-0.03	

09 Finishes**09 90 Painting and Coating****09 93 Staining and Transparent Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0006	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.45	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >4,000, Deduct	-0.02	
09 93 23 13-0007			Stain Wood Door And Window (09 93 23 13)		
09 93 23 13-0008	EA		Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	57.00	
			For Up To 4, Add	41.30	
			For >4 To 10, Add	19.35	
			For >10 To 20, Add	8.31	
			For >160, Deduct	-2.85	
09 93 23 13-0009	EA		Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	40.95	
			For Up To 4, Add	28.59	
			For >4 To 10, Add	13.45	
			For >10 To 20, Add	5.79	
			For >160, Deduct	-2.05	
09 93 23 13-0010			Stain Wood Cabinet (09 93 23 13)		
09 93 23 13-0011	SF		Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.43	
09 93 23 53			Interior Finishing (09 93 23)		
09 93 23 53-0001			Concrete Finishes (09 93 23 53)		
09 93 23 53-0002	SF		Finish Concrete Floor, 1 Coat Polyurethane	0.89	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >4,000, Deduct	-0.04	
09 93 23 53-0003			Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.48	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >4,000, Deduct	-0.07	
09 93 23 53-0005	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.96	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >4,000, Deduct	-0.05	
09 93 23 53-0006			Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0007	SF		Refinish Wood Floor, 2 Coats Polyurethane	3.29	
			Note: Includes sanding existing floor.		
			For Up To 100, Add	2.31	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.47	
			For >4,000, Deduct	-0.16	
09 93 23 53-0008	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work	0.74	
			Note: Includes screening between coats.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >4,000, Deduct	-0.04	
09 93 23 53-0009	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane	3.73	
			Note: Includes sanding existing floor.		
			For Up To 100, Add	2.59	
			For >100 To 250, Add	1.22	
			For >250 To 500, Add	0.53	
			For >4,000, Deduct	-0.19	
09 93 23 53-0010			Wood Door And Window Finishes (09 93 23 53)		
			See CSI section 08 14 16 00-0783 for factory finish.		
09 93 23 53-0011	EA		Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	41.20	
			For Up To 4, Add	29.76	
			For >4 To 10, Add	13.95	
			For >10 To 20, Add	5.99	
			For >160, Deduct	-2.06	
09 93 23 53-0012	EA		Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	125.56	
			For Up To 4, Add	88.93	
			For >4 To 10, Add	41.76	
			For >10 To 20, Add	17.96	
			For >160, Deduct	-6.28	
09 93 23 53-0013			Cabinet Finishes (09 93 23 53)		
09 93 23 53-0014	SF		Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.44	



		Finishes	09	2
		Painting and Coating	09 90	
		Staining and Transparent Finishing	09 93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)

09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	0.89	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.				
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor	3.91	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	4.00	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor	4.08	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	3.91	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor	4.00	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor	4.08	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.				
For Stage Or Dance Floors, Deduct				-0.08
09 93 23 53-0023	EA	Minimum Service Charge For Repair Of Wood Gym, Stage Or Dance Floor	605.70	

09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.52	
For Up To 100, Add				0.89
For >100 To 250, Add				0.43
For >250 To 500, Add				0.19
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.63	
For Up To 100, Add				0.90
For >100 To 250, Add				0.44
For >250 To 500, Add				0.19

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric (09 96 53)

Note: Per coat.				
09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.91	
For Work >15' To 20' Above Floor, Add				0.11
Note: Applied only to work area above 15' to 20'.				
For Work >20' To 30' Above Floor, Add				0.18
Note: Applied only to work area above 20'.				
For Work >30' To 40' Above Floor, Add				0.28
Note: Applied only to work area above 30' to 40'.				
For Work >40' Above Floor, Add				0.39
Note: Applied only to work area above 40'.				
For Up To 100, Add				0.56
For >100 To 250, Add				0.27
For >250 To 500, Add				0.12
For >2,500 To 5,000, Deduct				-0.05
For >5,000 To 10,000, Deduct				-0.09
For >10,000 To 20,000, Deduct				-0.14
For >20,000, Deduct				-0.18

09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003	SF		1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.78	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 96 53 00-0004	SF		1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.70	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 96 53 00-0005	SF		1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.05	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 96 53 00-0006	SF		1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.92	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 96 53 00-0007	SF		1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.17	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.43	



Finishes			09	60
Painting and Coating			09 90	
High-Performance Coatings			09 96	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.03	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.88	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.77	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.18	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.91	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	2.03	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.45	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.41	

09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0013	SF		1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead.....	2.25	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 96 53 00-0014	SF		1 Coat, 20 Wet Mills, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLO 3555V)	2.45	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 96 53 00-0015	SF		1 Coat, 20 Wet Mills, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLO 3555V)	2.32	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 96 53 00-0016	SF		1 Coat, 20 Wet Mills, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLO 3555V)	2.58	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 96 53 00-0017	SF		1 Coat, 20 Wet Mills, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLO 3555V)	2.43	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.49	

09 96 56 Epoxy Coatings (09 96)



		Finishes	09	2
		Painting and Coating	09 90	
		High-Performance Coatings	09 96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 56 00-0001		High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.07	
09 96 56 00-0003		Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	6.28	
09 96 66		Aggregate Wall Coatings (09 96)		
09 96 66 00-0001		Troweled On (09 96 66)		
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	4.84	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	8.64	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	13.00	
09 96 66 00-0005		Sprayed On (09 96 66)		
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	3.96	
09 97		Special Coatings (09 90)		
09 97 13		Steel Coatings (09 97)		
09 97 13 23		Exterior Steel Coatings (09 97 13)		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.				
09 97 13 23-0001		Surface Preparation For Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.				
09 97 13 23-0002		SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Solvent Cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 1.				
09 97 13 23-0003	SF	Type 1 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.77	
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 97 13 23-0004	SF	Type 2 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.74	
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
09 97 13 23-0005	SF	Type 3 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.74	
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	1.00	
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
09 97 13 23-0007	SF	>14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	0.90	
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 97 13 23-0008		SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.				
09 97 13 23-0009	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.55	
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.23	
09 97 13 23-0010	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.49	
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.22	
09 97 13 23-0011	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.49	
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.22	
09 97 13 23-0012	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.02	
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.30	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0013	SF	>14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation.....	1.82	
		For Up To 100, Add	1.37	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.27	
09 97 13 23-0014		SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
		Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0015	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.97	
		For Up To 100, Add	1.48	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.30	
09 97 13 23-0016	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.89	
		For Up To 100, Add	1.42	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.28	
09 97 13 23-0017	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.89	
		For Up To 100, Add	1.42	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.28	
09 97 13 23-0018	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.56	
		For Up To 100, Add	1.92	
		For >100 To 250, Add	0.90	
		For >250 To 500, Add	0.38	
09 97 13 23-0019	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.31	
		For Up To 100, Add	1.73	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.35	
09 97 13 23-0020		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
		Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0021	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.51	
		For Up To 100, Add	3.98	
		For >100 To 250, Add	1.87	
		For >250 To 500, Add	0.80	
09 97 13 23-0022	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.71	
		For Up To 100, Add	3.39	
		For >100 To 250, Add	1.59	
		For >250 To 500, Add	0.68	
09 97 13 23-0023	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.32	
		For Up To 100, Add	3.10	
		For >100 To 250, Add	1.45	
		For >250 To 500, Add	0.63	
09 97 13 23-0024	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	6.66	
		For Up To 100, Add	4.85	
		For >100 To 250, Add	2.27	
		For >250 To 500, Add	0.98	
09 97 13 23-0025	SF	>14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	6.02	
		For Up To 100, Add	4.37	
		For >100 To 250, Add	2.05	
		For >250 To 500, Add	0.88	
09 97 13 23-0026		SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
		Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0027	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.83	
		For Up To 100, Add	2.04	
		For >100 To 250, Add	0.96	
		For >250 To 500, Add	0.41	
09 97 13 23-0028	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.46	
		For Up To 100, Add	1.76	
		For >100 To 250, Add	0.83	
		For >250 To 500, Add	0.36	



Finishes			09	2
Painting and Coating			09 90	
Special Coatings			09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0029	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.28	
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 23-0030	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.55	
			For Up To 100, Add	2.58	
			For >100 To 250, Add	1.21	
			For >250 To 500, Add	0.52	
09 97 13 23-0031	SF		>14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.20	
			For Up To 100, Add	2.32	
			For >100 To 250, Add	1.09	
			For >250 To 500, Add	0.47	
09 97 13 23-0032			SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001) Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0033	SF		Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.10	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
09 97 13 23-0034	SF		Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.96	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 23-0035	SF		Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.95	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 23-0036	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.36	
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 23-0037	SF		>14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.23	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
09 97 13 23-0038			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001) Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.		
09 97 13 23-0039	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.10	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.39	
			For >250 To 500, Add	0.60	
09 97 13 23-0040	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.49	
			For Up To 100, Add	2.51	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.51	
09 97 13 23-0041	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.29	
			For Up To 100, Add	2.36	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.48	
09 97 13 23-0042	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.85	
			For Up To 100, Add	3.53	
			For >100 To 250, Add	1.65	
			For >250 To 500, Add	0.71	
09 97 13 23-0043	SF		>14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.38	
			For Up To 100, Add	3.18	
			For >100 To 250, Add	1.49	
			For >250 To 500, Add	0.64	
09 97 13 23-0044			SSPC SP11 Bare Metal Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001) Note: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. The profile shall not be less than 1 mil. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 11.		
09 97 13 23-0045	SF		Type 1 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	7.75	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0046	SF	Type 2 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	7.44	
09 97 13 23-0047	SF	Type 3 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	7.44	
09 97 13 23-0048	SF	Up To 14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	10.07	
09 97 13 23-0049	SF	>14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	9.07	
09 97 13 23-0050		Protective Coatings For Tanks And Structural Steel (09 97 13 23) Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0051		1.5 Mil Prime Coat For Structural Steel (09 97 13 23-0050)		
09 97 13 23-0052	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.29	
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
09 97 13 23-0053	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.96	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
09 97 13 23-0054	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.87	
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
09 97 13 23-0055	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.54	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.54	
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	1.15	
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.15	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	1.03	
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.85	
		For Up To 100, Add	1.27	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.26	
09 97 13 23-0060		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0060)		
09 97 13 23-0061	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.80	
		For Up To 100, Add	2.46	
		For >100 To 250, Add	1.17	
		For >250 To 500, Add	0.51	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.75	
		For Up To 100, Add	1.71	
		For >100 To 250, Add	0.82	
		For >250 To 500, Add	0.35	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.56	
		For Up To 100, Add	1.57	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.33	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.62	
		For Up To 100, Add	3.06	
		For >100 To 250, Add	1.45	
		For >250 To 500, Add	0.63	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.85	
		For Up To 100, Add	1.84	
		For >100 To 250, Add	0.88	
		For >250 To 500, Add	0.38	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.07	
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.27	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.91	
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.46	
		For Up To 100, Add	2.29	
		For >100 To 250, Add	1.08	
		For >250 To 500, Add	0.47	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.90	
		For Up To 100, Add	3.29	
		For >100 To 250, Add	1.55	
		For >250 To 500, Add	0.67	



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0070	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.51	
			For Up To 100, Add	2.28	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.47	
09 97 13 23-0071	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.25	
			For Up To 100, Add	2.08	
			For >100 To 250, Add	0.99	
			For >250 To 500, Add	0.43	
09 97 13 23-0072	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.98	
			For Up To 100, Add	4.08	
			For >100 To 250, Add	1.92	
			For >250 To 500, Add	0.83	
09 97 13 23-0073	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.67	
			For Up To 100, Add	2.46	
			For >100 To 250, Add	1.16	
			For >250 To 500, Add	0.50	
09 97 13 23-0074	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.63	
			For Up To 100, Add	1.71	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
09 97 13 23-0075	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.43	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 23-0076	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	4.49	
			For Up To 100, Add	3.06	
			For >100 To 250, Add	1.44	
			For >250 To 500, Add	0.62	
09 97 13 23-0077 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0050)					
09 97 13 23-0078	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.93	
			For Up To 100, Add	1.92	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.39	
09 97 13 23-0079	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.40	
			For Up To 100, Add	1.54	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
09 97 13 23-0080	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.20	
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
09 97 13 23-0081	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.64	
			For Up To 100, Add	2.44	
			For >100 To 250, Add	1.15	
			For >250 To 500, Add	0.50	
09 97 13 23-0082	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.88	
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
09 97 13 23-0083	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.54	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 23-0084	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.41	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97 13 23-0085	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.33	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 23-0086	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.50	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.48	
09 97 13 23-0087	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.85	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.38	
09 97 13 23-0088	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.61	
			For Up To 100, Add	1.70	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
09 97 13 23-0089	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	4.36	
			For Up To 100, Add	2.98	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	
09 97 13 23-0090	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.24	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0091	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.83	
		For Up To 100, Add	1.20	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
09 97 13 23-0092	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.68	
		For Up To 100, Add	1.09	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.22	
09 97 13 23-0093	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.79	
		For Up To 100, Add	1.91	
		For >100 To 250, Add	0.90	
		For >250 To 500, Add	0.39	
09 97 13 23-0094 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel (09 97 13 23-0050)				
09 97 13 23-0095	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.87	
		For Up To 100, Add	2.86	
		For >100 To 250, Add	1.37	
		For >250 To 500, Add	0.60	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.56	
		For Up To 100, Add	1.95	
		For >100 To 250, Add	0.95	
		For >250 To 500, Add	0.41	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.17	
		For Up To 100, Add	1.66	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.36	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	5.49	
		For Up To 100, Add	3.30	
		For >100 To 250, Add	1.58	
		For >250 To 500, Add	0.69	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.40	
		For Up To 100, Add	2.00	
		For >100 To 250, Add	0.96	
		For >250 To 500, Add	0.42	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.49	
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.22	
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.85	
		For Up To 100, Add	2.32	
		For >100 To 250, Add	1.11	
		For >250 To 500, Add	0.48	
09 97 13 23-0103 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel (09 97 13 23-0050)				
09 97 13 23-0104	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	5.24	
		For Up To 100, Add	2.92	
		For >100 To 250, Add	1.41	
		For >250 To 500, Add	0.62	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.90	
		For Up To 100, Add	2.00	
		For >100 To 250, Add	0.98	
		For >250 To 500, Add	0.43	
09 97 13 23-0106	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.51	
		For Up To 100, Add	1.71	
		For >100 To 250, Add	0.84	
		For >250 To 500, Add	0.37	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.88	
		For Up To 100, Add	3.36	
		For >100 To 250, Add	1.62	
		For >250 To 500, Add	0.71	
09 97 13 23-0108	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	4.30	
		For Up To 100, Add	2.39	
		For >100 To 250, Add	1.16	
		For >250 To 500, Add	0.51	
09 97 13 23-0109	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.20	
		For Up To 100, Add	1.64	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.35	
09 97 13 23-0110	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.88	
		For Up To 100, Add	1.40	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.31	
09 97 13 23-0111	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.82	
		For Up To 100, Add	2.76	
		For >100 To 250, Add	1.33	
		For >250 To 500, Add	0.58	



		Finishes	09	
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0112			1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel (09 97 13 23-0050)		
09 97 13 23-0113	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.93	
			For Up To 100, Add	6.25	
			For >100 To 250, Add	3.01	
			For >250 To 500, Add	1.31	
09 97 13 23-0114	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.32	
			For Up To 100, Add	4.49	
			For >100 To 250, Add	2.18	
			For >250 To 500, Add	0.96	
09 97 13 23-0115	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.02	
			For Up To 100, Add	4.27	
			For >100 To 250, Add	2.08	
			For >250 To 500, Add	0.91	
09 97 13 23-0116	SF		Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.66	
			For Up To 100, Add	7.51	
			For >100 To 250, Add	3.60	
			For >250 To 500, Add	1.57	
09 97 13 23-0117			1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0050)		
09 97 13 23-0118	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.79	
			For Up To 100, Add	3.05	
			For >100 To 250, Add	1.49	
			For >250 To 500, Add	0.65	
09 97 13 23-0119	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.59	
			For Up To 100, Add	2.16	
			For >100 To 250, Add	1.07	
			For >250 To 500, Add	0.48	
09 97 13 23-0120	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.40	
			For Up To 100, Add	2.02	
			For >100 To 250, Add	1.01	
			For >250 To 500, Add	0.45	
09 97 13 23-0121	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.55	
			For Up To 100, Add	3.58	
			For >100 To 250, Add	1.74	
			For >250 To 500, Add	0.76	
09 97 13 23-0122	SF		Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	4.58	
			For Up To 100, Add	2.42	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.52	
09 97 13 23-0123	SF		Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.63	
			For Up To 100, Add	1.71	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.38	
09 97 13 23-0124	SF		Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.46	
			For Up To 100, Add	1.59	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.35	
09 97 13 23-0125	SF		Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	5.17	
			For Up To 100, Add	2.83	
			For >100 To 250, Add	1.37	
			For >250 To 500, Add	0.60	
09 97 13 23-0126			Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0050)		
09 97 13 23-0127	SF		Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.86	
			For Up To 100, Add	2.91	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	
09 97 13 23-0128	SF		Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.96	
			For Up To 100, Add	2.30	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.48	
09 97 13 23-0129	SF		Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.67	
			For Up To 100, Add	2.09	
			For >100 To 250, Add	1.01	
			For >250 To 500, Add	0.44	
09 97 13 23-0130	SF		Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.98	
			For Up To 100, Add	3.73	
			For >100 To 250, Add	1.78	
			For >250 To 500, Add	0.77	
09 97 13 23-0131			One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0050)		
09 97 13 23-0132	SF		Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.66	
			For Up To 100, Add	2.94	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0133	SF		Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.33	
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.41	
09 97 13 23-0134	SF		Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.84	
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
09 97 13 23-0135	SF		Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	5.32	
			For Up To 100, Add	3.40	
			For >100 To 250, Add	1.61	
			For >250 To 500, Add	0.70	
09 97 13 23-0136 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0050)					
09 97 13 23-0137	SF		Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	2.54	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.29	
09 97 13 23-0138	SF		Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.86	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0139	SF		Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.77	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0140	SF		Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	2.67	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
09 97 13 23-0141 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0050)					
			Note: Installed over existing primer.		
09 97 13 23-0142	SF		Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.87	
			For Up To 100, Add	2.23	
			For >100 To 250, Add	1.07	
			For >250 To 500, Add	0.47	
09 97 13 23-0143	SF		Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.18	
			For Up To 100, Add	1.77	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.38	
09 97 13 23-0144	SF		Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.79	
			For Up To 100, Add	1.48	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.32	
09 97 13 23-0145	SF		Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	4.51	
			For Up To 100, Add	2.69	
			For >100 To 250, Add	1.29	
			For >250 To 500, Add	0.56	
09 97 13 23-0146 Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior (09 97 13 23-0050)					
09 97 13 23-0147	SF		Spray Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior.....	8.39	
			For Up To 100, Add	5.33	
			For >100 To 250, Add	2.54	
			For >250 To 500, Add	1.10	
09 97 13 23-0148 One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior (09 97 13 23-0050)					
09 97 13 23-0149	SF		Spray Up To 14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior.....	5.60	
			For Up To 100, Add	2.87	
			For >100 To 250, Add	1.41	
			For >250 To 500, Add	0.62	
09 97 13 23-0150	SF		Spray >14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior.....	5.43	
			For Up To 100, Add	2.75	
			For >100 To 250, Add	1.35	
			For >250 To 500, Add	0.59	
09 97 13 23-0151 Hot Stick Galvanizing (09 97 13 23)					
09 97 13 23-0152	SI		Hot Stick Galvanizing.....	3.63	
			Note: Includes wire brush cleaning, heating with torch, applying stick galvanizing and final wire brush cleaning.		
09 97 13 24 Steel Water Storage Tank Painting (09 97 13)					



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24) Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0003 SF Small Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation 0.74 For Up To 100, Add 0.56 For >100 To 250, Add 0.26 For >250 To 500, Add 0.11		
09 97 13 24-0004 SF Large Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation 0.66 For Up To 100, Add 0.50 For >100 To 250, Add 0.23 For >250 To 500, Add 0.10		
09 97 13 24-0005 SF Vessel/Tank Interior SP1 Chemical Or Steam Cleaning Surface Preparation 0.93 For Up To 100, Add 0.70 For >100 To 250, Add 0.33 For >250 To 500, Add 0.14		
09 97 13 24-0006 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation 1.49 For Up To 100, Add 1.12 For >100 To 250, Add 0.52 For >250 To 500, Add 0.22		
09 97 13 24-0008 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation 1.32 For Up To 100, Add 0.99 For >100 To 250, Add 0.46 For >250 To 500, Add 0.20		
09 97 13 24-0009 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation 1.86 For Up To 100, Add 1.40 For >100 To 250, Add 0.65 For >250 To 500, Add 0.28		
09 97 13 24-0010 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0011 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation 0.92 For Up To 100, Add 0.65 For >100 To 250, Add 0.31 For >250 To 500, Add 0.13		
09 97 13 24-0012 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation 0.75 For Up To 100, Add 0.53 For >100 To 250, Add 0.25 For >250 To 500, Add 0.11		
09 97 13 24-0013 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation 1.32 For Up To 100, Add 0.96 For >100 To 250, Add 0.45 For >250 To 500, Add 0.19		
09 97 13 24-0014 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0015 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation 2.27 For Up To 100, Add 1.62 For >100 To 250, Add 0.76 For >250 To 500, Add 0.33		
09 97 13 24-0016 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation 2.07 For Up To 100, Add 1.47 For >100 To 250, Add 0.69 For >250 To 500, Add 0.30		
09 97 13 24-0017 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation 3.04 For Up To 100, Add 2.20 For >100 To 250, Add 1.03 For >250 To 500, Add 0.44		
09 97 13 24-0018 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0019 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation 4.12 For Up To 100, Add 2.96 For >100 To 250, Add 1.39 For >250 To 500, Add 0.60		
09 97 13 24-0020 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation 3.92 For Up To 100, Add 2.81 For >100 To 250, Add 1.32 For >250 To 500, Add 0.57		
09 97 13 24-0021 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation 5.76 For Up To 100, Add 4.19 For >100 To 250, Add 1.96 For >250 To 500, Add 0.84		

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0022		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0023	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.28	
		For Up To 100, Add	2.36	
		For >100 To 250, Add	1.11	
		For >250 To 500, Add	0.48	
09 97 13 24-0024	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.28	
		For Up To 100, Add	2.36	
		For >100 To 250, Add	1.11	
		For >250 To 500, Add	0.48	
09 97 13 24-0025	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.84	
		For Up To 100, Add	3.53	
		For >100 To 250, Add	1.65	
		For >250 To 500, Add	0.71	
09 97 13 24-0026		SSPC SP11 Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0027	SF	Small Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	7.44	
09 97 13 24-0028	SF	Large Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	6.58	
09 97 13 24-0029	SF	Vessel/Tank Interior SP11 Power Tool Cleaning Surface Preparation	9.29	
09 97 13 24-0030		Protective Coatings For Tanks (09 97 13 24)		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0031		1.5 Mil Prime Coat For Tanks (09 97 13 24-0030)		
09 97 13 24-0032	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.76	
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
09 97 13 24-0033	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.62	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.08	
09 97 13 24-0034	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.45	
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.20	
09 97 13 24-0035	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.89	
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 97 13 24-0036	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.72	
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
09 97 13 24-0037	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.74	
		For Up To 100, Add	1.20	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.24	
09 97 13 24-0038		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0030)		
09 97 13 24-0039	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.25	
		For Up To 100, Add	1.34	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
09 97 13 24-0040	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.77	
		For Up To 100, Add	0.98	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
09 97 13 24-0041	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.13	
		For Up To 100, Add	2.75	
		For >100 To 250, Add	1.30	
		For >250 To 500, Add	0.56	
09 97 13 24-0042	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.69	
		For Up To 100, Add	1.01	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
09 97 13 24-0043	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.32	
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.16	
09 97 13 24-0044	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.09	
		For Up To 100, Add	2.06	
		For >100 To 250, Add	0.97	
		For >250 To 500, Add	0.42	
09 97 13 24-0045	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.83	
		For Up To 100, Add	1.77	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	



		Finishes	09	
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0046	SF		Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.17	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
09 97 13 24-0047	SF		Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.36	
			For Up To 100, Add	3.67	
			For >100 To 250, Add	1.73	
			For >250 To 500, Add	0.75	
09 97 13 24-0048	SF		Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.12	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.28	
09 97 13 24-0049	SF		Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.63	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 24-0050	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.01	
			For Up To 100, Add	2.75	
			For >100 To 250, Add	1.30	
			For >250 To 500, Add	0.56	
09 97 13 24-0051 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0030)					
09 97 13 24-0052	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.00	
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 24-0053	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.70	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 24-0054	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.25	
			For Up To 100, Add	2.94	
			For >100 To 250, Add	1.38	
			For >250 To 500, Add	0.60	
09 97 13 24-0055	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.28	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97 13 24-0056	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.08	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
09 97 13 24-0057	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.72	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 24-0058	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.36	
			For Up To 100, Add	1.52	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
09 97 13 24-0059	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.99	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
09 97 13 24-0060	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.44	
			For Up To 100, Add	3.92	
			For >100 To 250, Add	1.84	
			For >250 To 500, Add	0.79	
09 97 13 24-0061	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.51	
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 24-0062	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.28	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97 13 24-0063	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.58	
			For Up To 100, Add	2.52	
			For >100 To 250, Add	1.19	
			For >250 To 500, Add	0.51	
09 97 13 24-0064 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0030)					
09 97 13 24-0065	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.93	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 24-0066	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.54	
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.27	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0067	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.05	
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
09 97 13 24-0068	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.78	
		For Up To 100, Add	0.85	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.19	
09 97 13 24-0069 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks (09 97 13 24-0030)				
09 97 13 24-0070	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.26	
		For Up To 100, Add	1.55	
		For >100 To 250, Add	0.77	
		For >250 To 500, Add	0.34	
09 97 13 24-0071	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.87	
		For Up To 100, Add	1.26	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.28	
09 97 13 24-0072	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.67	
		For Up To 100, Add	1.27	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.28	
09 97 13 24-0073	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.35	
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
09 97 13 24-0074 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0030)				
09 97 13 24-0075	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.75	
		For Up To 100, Add	4.11	
		For >100 To 250, Add	2.01	
		For >250 To 500, Add	0.88	
09 97 13 24-0076	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.16	
		For Up To 100, Add	3.67	
		For >100 To 250, Add	1.80	
		For >250 To 500, Add	0.79	
09 97 13 24-0077	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.68	
		For Up To 100, Add	7.06	
		For >100 To 250, Add	3.38	
		For >250 To 500, Add	1.47	
09 97 13 24-0078 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0030)				
09 97 13 24-0079	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.10	
		For Up To 100, Add	1.94	
		For >100 To 250, Add	0.96	
		For >250 To 500, Add	0.43	
09 97 13 24-0080	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.66	
		For Up To 100, Add	1.61	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.36	
09 97 13 24-0081	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.02	
		For Up To 100, Add	3.38	
		For >100 To 250, Add	1.63	
		For >250 To 500, Add	0.71	
09 97 13 24-0082	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.23	
		For Up To 100, Add	1.53	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.34	
09 97 13 24-0083	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.89	
		For Up To 100, Add	1.27	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
09 97 13 24-0084	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.76	
		For Up To 100, Add	2.68	
		For >100 To 250, Add	1.29	
		For >250 To 500, Add	0.57	
09 97 13 24-0085 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0030)				
09 97 13 24-0086	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.63	
		For Up To 100, Add	2.08	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.44	
09 97 13 24-0087	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.04	
		For Up To 100, Add	1.64	
		For >100 To 250, Add	0.80	
		For >250 To 500, Add	0.35	



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0088	SF		Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.62	
			For Up To 100, Add	2.82	
			For >100 To 250, Add	1.35	
			For >250 To 500, Add	0.59	
09 97 13 24-0089 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0030)					
09 97 13 24-0090	SF		Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.51	
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 24-0091	SF		Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.31	
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 24-0092	SF		Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.79	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.48	
09 97 13 24-0093 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0030)					
09 97 13 24-0094	SF		Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.52	
			For Up To 100, Add	3.19	
			For >100 To 250, Add	1.54	
			For >250 To 500, Add	0.67	
09 97 13 24-0095	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.40	
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.83	
			For >250 To 500, Add	0.37	
09 97 13 24-0096 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0030)					
09 97 13 24-0097	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.63	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
09 97 13 24-0098	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.60	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.16	
09 97 13 24-0099	SF		Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.52	
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 24-0100 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0030)					
			Note: Installed over existing primer.		
09 97 13 24-0101	SF		Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.65	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
09 97 13 24-0102	SF		Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.36	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.26	
09 97 13 24-0103	SF		Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.64	
			For Up To 100, Add	2.14	
			For >100 To 250, Add	1.03	
			For >250 To 500, Add	0.45	
09 97 13 24-0104 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0030)					
09 97 13 24-0105	SF		Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	9.50	
			For Up To 100, Add	5.91	
			For >100 To 250, Add	2.82	
			For >250 To 500, Add	1.22	
09 97 13 24-0106 One 3 Mil Epoxy Primer And Two 6 Mil Epoxy Finish Coats For Tank Interior (09 97 13 24-0030)					
09 97 13 24-0107	SF		Brush One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Contact Area Between Rafters And Underside of Tank Roof	3.89	
			Note: Devran 233H		
			For Up To 100, Add	2.06	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.44	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0108	SF	Spray One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Rafters, Underside Of Tank Roof, And Walls 2' Above Floor Note: Devran 233H	3.55	
		For Up To 100, Add	1.80	
		For >100 To 250, Add	0.89	
		For >250 To 500, Add	0.39	
09 97 13 24-0109		One 15 Mil Epoxy Primer And One 15 Mil Epoxy Finish Coats For Tank Interior (09 97 13 24-0030)		
09 97 13 24-0110	SF	Spray One 15 Mil Epoxy Primer And Spray One 15 Mil Epoxy Finish Coats For Tank Floor Interior And Up To 3' Of Wall..... Note: Applied in 5 mil coats.	8.01	
		For Up To 100, Add	3.75	
		For >100 To 250, Add	1.86	
		For >250 To 500, Add	0.83	
09 97 13 24-0111		One 2 To 4 Mil Inorganic Zinc Primer, One 4 To 6 Mil Epoxy Intermediate Coat And One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior		
09 97 13 24-0112	SF	Spray One 2 To 4 Mil Inorganic Zinc Primer, Spray One 4 To 6 Mil Epoxy Intermediate Coat And Spray One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior Note: Devco: Catha-Coat 302H primer, Bar-Rust 231H intermediate, and Devthane 379H finish or Tnemec: 91H2O Hydro-Zinc primer, N140F Pota-Pox intermediate, and 1075 Endura-Shield finish.	3.07	
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.33	
09 97 13 24-0113		Polyamide Epoxy Exterior Prime Coat For Tanks (Macropoxy 646 FC) (09 97 13 24-0030)		
09 97 13 24-0114	SF	Spray 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	2.08 1.13 0.55 0.24 -0.10 -0.17 -0.24	
09 97 13 24-0115	SF	Spray 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	3.07 1.62 0.79 0.35 -0.15 -0.25 -0.35	
09 97 13 24-0116	SF	Spray 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	3.51 1.80 0.88 0.39 -0.18 -0.28 -0.39	
09 97 13 24-0117	SF	Brush 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	2.44 1.40 0.67 0.29 -0.12 -0.21 -0.29	
09 97 13 24-0118	SF	Brush 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	3.57 1.99 0.96 0.42 -0.18 -0.30 -0.42	
09 97 13 24-0119	SF	Brush 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	4.08 2.23 1.08 0.47 -0.20 -0.34 -0.47	
09 97 13 24-0120		Aliphatic Acrylic Polyurethane Exterior Topcoat For Tanks (High-Solids Polyurethane 250) (09 97 13 24-0030)		
09 97 13 24-0121	SF	Spray 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)..... For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000, Deduct	1.83 0.88 0.44 0.19 -0.09 -0.14 -0.19	



		Finishes	09	
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0122	SF		Spray 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250).....	2.30	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000, Deduct	-0.24	
09 97 13 24-0123	SF		Brush 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250).....	2.09	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000, Deduct	-0.23	
09 97 13 24-0124	SF		Brush 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250).....	2.62	
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000, Deduct	-0.28	
09 97 13 24-0125			Polyamide Epoxy Submerged Primer/Stripe Coat For Tanks (Macropoxy 646 PW) (09 97 13 24-0030)		
			See CSI section 01 22 23 00-0964 for confined space ventilation.		
09 97 13 24-0126	SF		Spray 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.26	
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000, Deduct	-0.30	
			For Work In Restricted Working Space, Add	0.55	
09 97 13 24-0127	SF		Spray 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.08	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000, Deduct	-0.24	
			For Work In Restricted Working Space, Add	0.41	
09 97 13 24-0128	SF		Spray 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.31	
			For Up To 100, Add	1.22	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000, Deduct	-0.26	
			For Work In Restricted Working Space, Add	0.44	
09 97 13 24-0129	SF		Spray 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.87	
			For Up To 100, Add	1.47	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.32	
			For Work In Restricted Working Space, Add	0.52	
09 97 13 24-0130	SF		Spray 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.30	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000, Deduct	-0.36	
			For Work In Restricted Working Space, Add	0.57	
09 97 13 24-0131	SF		Brush 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	1.58	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000, Deduct	-0.19	
			For Work In Restricted Working Space, Add	0.35	
09 97 13 24-0132	SF		Brush 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.44	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000, Deduct	-0.29	
			For Work In Restricted Working Space, Add	0.52	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0133	SF		Brush 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW).....	2.69	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.32	
			For Work In Restricted Working Space, Add	0.55	
09 97 13 24-0134	SF		Brush 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW).....	3.32	
			For Up To 100, Add	1.81	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000, Deduct	-0.38	
			For Work In Restricted Working Space, Add	0.65	
09 97 13 24-0135	SF		Brush 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW).....	3.80	
			For Up To 100, Add	2.02	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000, Deduct	-0.43	
			For Work In Restricted Working Space, Add	0.72	
09 97 13 24-0136 Amine Epoxy Submerged Topcoat For Tanks (Sherplate PW Epoxy) (09 97 13 24-					
			0030) See CSI section 01 22 23 00-0964 for confined space ventilation.		
09 97 13 24-0137	SF		Spray 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	3.89	
			For Up To 100, Add	1.87	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000, Deduct	-0.41	
			For Work In Restricted Working Space, Add	0.65	
09 97 13 24-0138	SF		Spray 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	4.73	
			For Up To 100, Add	2.25	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.49	
			For >2,500 To 5,000, Deduct	-0.24	
			For >5,000 To 10,000, Deduct	-0.36	
			For >10,000, Deduct	-0.49	
			For Work In Restricted Working Space, Add	0.77	
09 97 13 24-0139	SF		Spray 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	5.52	
			For Up To 100, Add	2.58	
			For >100 To 250, Add	1.28	
			For >250 To 500, Add	0.57	
			For >2,500 To 5,000, Deduct	-0.28	
			For >5,000 To 10,000, Deduct	-0.42	
			For >10,000, Deduct	-0.57	
			For Work In Restricted Working Space, Add	0.88	
09 97 13 24-0140	SF		Spray 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	6.70	
			For Up To 100, Add	3.08	
			For >100 To 250, Add	1.53	
			For >250 To 500, Add	0.68	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000 To 10,000, Deduct	-0.51	
			For >10,000, Deduct	-0.68	
			For Work In Restricted Working Space, Add	1.04	
09 97 13 24-0141	SF		Spray 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	7.85	
			For Up To 100, Add	3.54	
			For >100 To 250, Add	1.77	
			For >250 To 500, Add	0.79	
			For >2,500 To 5,000, Deduct	-0.39	
			For >5,000 To 10,000, Deduct	-0.59	
			For >10,000, Deduct	-0.79	
			For Work In Restricted Working Space, Add	1.18	
09 97 13 24-0142	SF		Spray 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	8.92	
			For Up To 100, Add	3.95	
			For >100 To 250, Add	1.98	
			For >250 To 500, Add	0.88	
			For >2,500 To 5,000, Deduct	-0.45	
			For >5,000 To 10,000, Deduct	-0.66	
			For >10,000, Deduct	-0.88	
			For Work In Restricted Working Space, Add	1.31	
09 97 13 24-0143	SF		Spray 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	10.36	
			For Up To 100, Add	4.52	
			For >100 To 250, Add	2.27	
			For >250 To 500, Add	1.01	
			For >2,500 To 5,000, Deduct	-0.52	
			For >5,000 To 10,000, Deduct	-0.77	
			For >10,000, Deduct	-1.01	
			For Work In Restricted Working Space, Add	1.48	



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0144	SF		Brush 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	4.46	
			For Up To 100, Add	2.30	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.50	
			For >2,500 To 5,000, Deduct	-0.22	
			For >5,000 To 10,000, Deduct	-0.36	
			For >10,000, Deduct	-0.50	
			For Work In Restricted Working Space, Add	0.82	
09 97 13 24-0145	SF		Brush 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	5.40	
			For Up To 100, Add	2.75	
			For >100 To 250, Add	1.35	
			For >250 To 500, Add	0.59	
			For >2,500 To 5,000, Deduct	-0.27	
			For >5,000 To 10,000, Deduct	-0.43	
			For >10,000, Deduct	-0.59	
			For Work In Restricted Working Space, Add	0.97	
09 97 13 24-0146	SF		Brush 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	6.28	
			For Up To 100, Add	3.15	
			For >100 To 250, Add	1.55	
			For >250 To 500, Add	0.68	
			For >2,500 To 5,000, Deduct	-0.31	
			For >5,000 To 10,000, Deduct	-0.50	
			For >10,000, Deduct	-0.68	
			For Work In Restricted Working Space, Add	1.10	
09 97 13 24-0147	SF		Brush 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	7.63	
			For Up To 100, Add	3.77	
			For >100 To 250, Add	1.86	
			For >250 To 500, Add	0.82	
			For >2,500 To 5,000, Deduct	-0.38	
			For >5,000 To 10,000, Deduct	-0.60	
			For >10,000, Deduct	-0.82	
			For Work In Restricted Working Space, Add	1.31	
09 97 13 24-0148	SF		Brush 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	8.89	
			For Up To 100, Add	4.32	
			For >100 To 250, Add	2.13	
			For >250 To 500, Add	0.94	
			For >2,500 To 5,000, Deduct	-0.44	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10,000, Deduct	-0.94	
			For Work In Restricted Working Space, Add	1.49	
09 97 13 24-0149	SF		Brush 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	10.08	
			For Up To 100, Add	4.82	
			For >100 To 250, Add	2.39	
			For >250 To 500, Add	1.06	
			For >2,500 To 5,000, Deduct	-0.50	
			For >5,000 To 10,000, Deduct	-0.78	
			For >10,000, Deduct	-1.06	
			For Work In Restricted Working Space, Add	1.66	
09 97 13 24-0150	SF		Brush 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy).....	11.67	
			For Up To 100, Add	5.50	
			For >100 To 250, Add	2.73	
			For >250 To 500, Add	1.21	
			For >2,500 To 5,000, Deduct	-0.58	
			For >5,000 To 10,000, Deduct	-0.90	
			For >10,000, Deduct	-1.21	
			For Work In Restricted Working Space, Add	1.88	
09 97 13 24-0151			Epoxy Exterior Prime Coat For Tanks (Bar-Rust 231) (09 97 13 24-0030).....	1.53	
09 97 13 24-0152	SF		Spray 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231).....	1.53	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000, Deduct	-0.20	
09 97 13 24-0153	SF		Spray 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231).....	2.12	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000, Deduct	-0.27	
09 97 13 24-0154	SF		Spray 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231).....	2.62	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.33	
09 97 13 24-0155	SF		Brush 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231).....	2.25	
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000, Deduct	-0.27	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0156	SF		Brush 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.94	
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000, Deduct	-0.35	
09 97 13 24-0157	SF		Brush 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	3.67	
			For Up To 100, Add	2.05	
			For >100 To 250, Add	0.99	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.18	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000, Deduct	-0.43	
09 97 13 24-0158			Aliphatic Urethane Exterior Topcoat For Tanks (Devthane 359) (09 97 13 24-0030)		
09 97 13 24-0159	SF		Spray 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.13	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000, Deduct	-0.23	
09 97 13 24-0160	SF		Spray 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.99	
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.70	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.31	
09 97 13 24-0161	SF		Brush 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.44	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000, Deduct	-0.28	
09 97 13 24-0162	SF		Brush 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	3.41	
			For Up To 100, Add	1.74	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000, Deduct	-0.38	
09 97 13 24-0163			Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) (09 97 13 24-0030)		
			See CSI section 01 22 23 00-0964 for confined space ventilation.		
09 97 13 24-0164	SF		Spray 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.55	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000, Deduct	-0.20	
			For Work In Restricted Working Space, Add	0.36	
09 97 13 24-0165	SF		Spray 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	2.14	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000, Deduct	-0.27	
			For Work In Restricted Working Space, Add	0.49	
09 97 13 24-0166	SF		Brush 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.87	
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000, Deduct	-0.25	
			For Work In Restricted Working Space, Add	0.46	
09 97 13 24-0167	SF		Brush 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	2.58	
			For Up To 100, Add	1.62	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.34	
			For Work In Restricted Working Space, Add	0.62	
09 97 13 24-0168			Epoxy Submerged Topcoat For Tanks (Bar-Rust 234P) (09 97 13 24-0030)		
			See CSI section 01 22 23 00-0964 for confined space ventilation.		



Finishes			09	2
Painting and Coating			09 90	
Special Coatings			09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0169	SF		Spray 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.04	
			For Up To 100, Add	2.50	
			For >100 To 250, Add	1.23	
			For >250 To 500, Add	0.54	
			For >2,500 To 5,000, Deduct	-0.25	
			For >5,000 To 10,000, Deduct	-0.40	
			For >10,000, Deduct	-0.54	
			For Work In Restricted Working Space, Add	0.87	
09 97 13 24-0170	SF		Spray 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.00	
			For Up To 100, Add	2.97	
			For >100 To 250, Add	1.46	
			For >250 To 500, Add	0.65	
			For >2,500 To 5,000, Deduct	-0.30	
			For >5,000 To 10,000, Deduct	-0.47	
			For >10,000, Deduct	-0.65	
			For Work In Restricted Working Space, Add	1.04	
09 97 13 24-0171	SF		Spray 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.81	
			For Up To 100, Add	3.32	
			For >100 To 250, Add	1.64	
			For >250 To 500, Add	0.72	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000 To 10,000, Deduct	-0.53	
			For >10,000, Deduct	-0.72	
			For Work In Restricted Working Space, Add	1.15	
09 97 13 24-0172	SF		Spray 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.56	
			For Up To 100, Add	3.63	
			For >100 To 250, Add	1.80	
			For >250 To 500, Add	0.79	
			For >2,500 To 5,000, Deduct	-0.38	
			For >5,000 To 10,000, Deduct	-0.59	
			For >10,000, Deduct	-0.79	
			For Work In Restricted Working Space, Add	1.25	
09 97 13 24-0173	SF		Spray 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.40	
			For Up To 100, Add	4.00	
			For >100 To 250, Add	1.98	
			For >250 To 500, Add	0.88	
			For >2,500 To 5,000, Deduct	-0.42	
			For >5,000 To 10,000, Deduct	-0.65	
			For >10,000, Deduct	-0.88	
			For Work In Restricted Working Space, Add	1.37	
09 97 13 24-0174	SF		Spray 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	9.21	
			For Up To 100, Add	4.35	
			For >100 To 250, Add	2.16	
			For >250 To 500, Add	0.96	
			For >2,500 To 5,000, Deduct	-0.46	
			For >5,000 To 10,000, Deduct	-0.71	
			For >10,000, Deduct	-0.96	
			For Work In Restricted Working Space, Add	1.49	
09 97 13 24-0175	SF		Brush 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.96	
			For Up To 100, Add	3.19	
			For >100 To 250, Add	1.55	
			For >250 To 500, Add	0.68	
			For >2,500 To 5,000, Deduct	-0.30	
			For >5,000 To 10,000, Deduct	-0.49	
			For >10,000, Deduct	-0.68	
			For Work In Restricted Working Space, Add	1.15	
09 97 13 24-0176	SF		Brush 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.92	
			For Up To 100, Add	3.66	
			For >100 To 250, Add	1.78	
			For >250 To 500, Add	0.78	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.56	
			For >10,000, Deduct	-0.78	
			For Work In Restricted Working Space, Add	1.31	
09 97 13 24-0177	SF		Brush 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.82	
			For Up To 100, Add	4.08	
			For >100 To 250, Add	1.99	
			For >250 To 500, Add	0.88	
			For >2,500 To 5,000, Deduct	-0.39	
			For >5,000 To 10,000, Deduct	-0.63	
			For >10,000, Deduct	-0.88	
			For Work In Restricted Working Space, Add	1.45	
09 97 13 24-0178	SF		Brush 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.66	
			For Up To 100, Add	4.46	
			For >100 To 250, Add	2.18	
			For >250 To 500, Add	0.96	
			For >2,500 To 5,000, Deduct	-0.43	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000, Deduct	-0.96	
			For Work In Restricted Working Space, Add	1.58	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0179 SF Brush 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	9.59	
For Up To 100, Add	4.89	
For >100 To 250, Add	2.40	
For >250 To 500, Add	1.06	
For >2,500 To 5,000, Deduct	-0.48	
For >5,000 To 10,000, Deduct	-0.77	
For >10,000, Deduct	-1.06	
For Work In Restricted Working Space, Add	1.73	
09 97 13 24-0180 SF Brush 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	10.51	
For Up To 100, Add	5.33	
For >100 To 250, Add	2.61	
For >250 To 500, Add	1.15	
For >2,500 To 5,000, Deduct	-0.53	
For >5,000 To 10,000, Deduct	-0.84	
For >10,000, Deduct	-1.15	
For Work In Restricted Working Space, Add	1.88	
09 97 26 Cementitious Coatings (09 97)		
09 97 26 13 Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.62	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin	2.21	
09 97 35 Dry Erase Coatings (09 97)		
09 97 35 00-0001 Dry-Erase Paint (09 97 35)		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	13.00	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	7.26	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	13.94	
Note: Includes two coats of primer and white or black surface coat.		
09 97 63 Special Coatings and Protection Systems (09 97)		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.72	
09 97 63 00-0003 ENECON Coatings (09 97 63)		
09 97 63 00-0004 METALCLAD Systems (09 97 63 00-0003)		
Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.		
09 97 63 00-0005 CI DurAlloy	15.13	
09 97 63 00-0006 CI SpeedAlloy	24.10	
09 97 63 00-0007 CI SpeedAlloy QS	16.57	
09 97 63 00-0008 CI CeramAlloy CP+ (AC)	16.29	
09 97 63 00-0009 SF CeramAlloy CL+ (AC)	41.54	
09 97 63 00-0010 CI CeramAlloy CBX	21.53	
09 97 63 00-0011 FLEXICLAD Systems (09 97 63 00-0003)		
Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.		
09 97 63 00-0012 CI DuraTough DP	23.83	
09 97 63 00-0013 SF DuraTough DL (One Coat 12 Mil)	203.00	
09 97 63 00-0014 ENESEAL Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0015 SF ENESEAL HR (One Coat 6 Mil)	1.74	
09 97 63 00-0016 SF ENESEAL CR (Corrosion Resistant) (One Coat 6 Mil)	3.99	
09 97 63 00-0017 ENECETE Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0018 SF 1/4" DuraQuartz	60.96	
09 97 63 00-0019 CI WP (Superfast Water Plug)	1.31	
09 97 63 00-0020 SF WS (Water Seal)	10.44	
09 97 63 00-0021 SF DuraFill Bulk Resin (One Coat 6 Mil)	4.96	



		Finishes	09	2
		Painting and Coating	09 90	
		Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0022 SF Permaflex (Flexible Primer)	2.83	
09 97 63 00-0023 SF Xypex.....	1.86	
09 97 63 00-0024 CHEMCLAD Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0025 SF Chemclad SC (One Coat 6 Mil)	11.61	
09 97 63 00-0026 SF Chemclad XC (One Coat 8 Mil)	14.11	
09 97 63 00-0027 SF Chemclad P4C Primer.....	3.10	
09 97 63 00-0028 SF NSP 120 Potable Water.....	3.30	
09 97 63 00-0029 ENECLAD Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0030 SF Eneclad FPS 2000 (Floor Protection System) (One Coat 8 Mil)	5.16	
09 97 63 00-0031 SF Eneclad Superbond (One Coat 4 Mil)	5.78	
09 97 63 00-0032 SF Eneclad CFS (Clear Floor Sealer) (One Coat 2 Mil)	2.48	
09 97 63 00-0033 SF Eneclad SPS (Self Priming Screed) (One Coat 1/8").....	9.87	
09 97 63 00-0034 ENECON Crew For ENECON Coating Systems (09 97 63 00-0003)		
09 97 63 00-0035 DAY ENECON 2 Man Crew For Application Of ENECON Products	1,500.00	
09 97 63 00-0036 Thortex Coatings (09 97 63)		
09 97 63 00-0037 Thortex Concrete Protection System (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0038 SF 1/4" Thortex Wall Tech L W Concrete Repair And Protection System.....	42.50	
For >1,000, Deduct	-2.50	
09 97 63 00-0039 SF 1/4" Thortex Floor Tech P R Concrete Repair And Protection System	42.50	
For >1,000, Deduct	-2.50	
09 97 63 00-0040 SF Thortex Floor Tech RS (Resurfacing Screed) Floor Repair and Protection System	32.81	
For >2,000, Deduct	-1.75	
09 97 63 00-0041 Thortex Floor Repair and Protection System (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0042 SF Thortex Floor Tech HB Floor Repair and Protection System (One Coat 8-10 Mil Average)	3.85	
For >5,000, Deduct	-0.25	
09 97 63 00-0043 SF Thortex Floor Tech SP Primer (One Coat 4 Mil).....	3.23	
For >10,000, Deduct	-0.15	
09 97 63 00-0044 Thortex Chemical Protection System (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0045 SF Thortex Chemi Tech UC/Hycote 175 Chemical Protection System (One Coat 10 Mil Average).....	12.82	
For >9500, Deduct	-0.25	
09 97 63 00-0046 SF Thortex Chemi Tech USR Chemical Protection System (One Coat 20 Mil Average)	31.30	
For >9500, Deduct	-1.85	
09 97 63 00-0047 SF Thortex Chemi Tech CR Chemical Protection System (One Coat 10 Mil Average).....	7.69	
For >9500, Deduct	-0.50	
09 97 63 00-0048 SF Thortex Chemi Tech EP Chemical Protection System (One Coat 10 Mil Average)	4.61	
For >9,500, Deduct	-0.25	
09 97 63 00-0049 Thortex Metal Repair Systems (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0050 CI Thortex Metal Tech EG Metal Repair System.....	12.82	
For >5,000, Deduct	-0.75	
09 97 63 00-0051 CI Thortex Metal Tech RG Metal Repair System	23.07	
For >5,000, Deduct	-1.50	
09 97 63 00-0052 CI Thortex Metal Tech FG Metal Repair System.....	12.82	
For >5,000, Deduct	-0.75	
09 97 63 00-0053 CI Thortex Metal Tech XG Metal Repair System.....	12.82	
For >5,000, Deduct	-0.75	
09 97 63 00-0054 CI Thortex Metal Tech SG Metal Repair System.....	63.06	
09 97 63 00-0055 SF Thortex Metal Tech Polymer pipe wrap system (1/4 inch wrap with mesh) per SF of pipe exterior (100 SF minimum).....	364.02	
09 97 63 00-0056 Thortex Rubber Repair System (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0057 CI Thortex Flexi Tech 80 FG Rubber Repair System.....	11.28	
For >7,500, Deduct	-0.75	
09 97 63 00-0058 CI Thortex Flexi Tech 80 EG Rubber Repair System.....	11.28	
For >7,500, Deduct	-0.75	
09 97 63 00-0059 CI Thortex Flexi Tech 80 BG Rubber Repair System.....	11.28	
For >7,500, Deduct	-0.75	
09 97 63 00-0060 Thortex Ceramic Repair System (09 97 63 00-0036)		
Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0061 CI Thortex Cerami Flex EG Ceramic Repair System <i>For >7,500, Deduct</i>	7.95 -0.50	
09 97 63 00-0062 SF Thortex Cerami Flex FG Ceramic Repair System..... <i>For >7,500, Deduct</i>	7.95 -0.50	
09 97 63 00-0063 CI Thortex Cerami Tech EG Ceramic Repair System <i>For >7,500, Deduct</i>	12.82 -0.75	
09 97 63 00-0064 SF Thortex Cerami Tech FG Ceramic Repair System <i>For >7,500, Deduct</i>	24.46 -1.50	
09 97 63 00-0065 SF Thortex Cerami Tech CR Ceramic Repair System <i>For >7,500, Deduct</i>	15.38 -1.50	
09 97 63 00-0066 Thortex Corrosion Protection Systems (09 97 63 00-0036) Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0067 SF Thortex Corro Tech GP Corrosion Protection System <i>For >7,500, Deduct</i>	4.36 -0.50	
09 97 63 00-0068 Thortex Miscellaneous Coating Systems (09 97 63 00-0036) Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0069 SF Thortex Glaze Tech Coating for Glass..... <i>For >10,750, Deduct</i>	4.30 -0.86	
09 97 63 00-0070 SF Thortex Therma Tech LG Encapsulation System <i>For >29,500, Deduct</i>	1.68 -0.29	
09 97 63 00-0071 Thortex Crew for Thortex Coating Systems (09 97 63 00-0036) Note: Includes all labor, equipment, subcontractor costs, travel expenses necessary to install tasks. Note: Excludes grit blast and generator. Excludes material.		
09 97 63 00-0072 DAY Application Of Thortex Coating System, Per Man (Minimum 3 Men Per Crew) (3M Skotchkote).....	1,350.00	
09 97 63 00-0073 Adsil HVAC Equipment Coatings (09 97 63) Note: Shop applied. A small job has 1 to 6 units and a total of less than 100 tons. A large job has greater than 7 units and 100 tons.		
09 97 63 00-0074 TON <40 Ton Condenser, Small Job, Adsil HVAC Equipment Coating <i>For Field Applied, Add</i>	233.11 34.97	
09 97 63 00-0075 TON 40 To 49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating <i>For Field Applied, Add</i>	228.15 34.22	
09 97 63 00-0076 TON >49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating <i>For Field Applied, Add</i>	218.23 32.73	
09 97 63 00-0077 TON <40 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating 09 97 63 00-0078 TON 40 To 49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	119.04 114.08	
09 97 63 00-0079 TON >49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	109.12	
09 97 63 00-0080 TON <40 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	44.64	
09 97 63 00-0081 TON 40 To 49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	39.68	
09 97 63 00-0082 TON >49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	34.72	
09 97 63 00-0083 TON 51 To 100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating <i>For Field Applied, Add</i> <i>For Cabinet, Add</i>	226.91 34.04 45.38	
09 97 63 00-0084 TON >100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating <i>For Field Applied, Add</i> <i>For Cabinet, Add</i>	207.07 31.06 41.41	
09 97 63 00-0085 TON 51 To 100 Ton Evaporator, Large Job Adsil HVAC Equipment Coating <i>For Cabinet, Add</i>	109.12 21.82	
09 97 63 00-0086 TON >100 Ton Evaporator, Large Job, Adsil HVAC Equipment Coating <i>For Cabinet, Add</i>	104.16 20.83	

END OF SECTION 09



Specialties		10
Operation and Maintenance of Specialties		10 01
Operation and Maintenance of Fireplaces and Stoves		10 01 30

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties⁽¹⁰⁾

10 01 30 Operation and Maintenance of Fireplaces and Stoves^(10 01)

10 01 30 00-0001	Fireplace Cleaning ^(10 01 30)	
10 01 30 00-0002	EA Inspect And Clean Fireplace Insert.....	261.53
10 01 30 00-0003	EA Inspect And Clean Fireplace Insert And Chimney	313.84
10 01 30 00-0004	EA Inspect And Clean Fireplace Brick/Masonry Chimney	418.45

10 01 40 Operation and Maintenance of Safety Specialties^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)	
Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)	
10 01 40 00-0003	EA Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.96
10 01 40 00-0004	EA Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	21.07
10 01 40 00-0005	EA Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.91
10 01 40 00-0006	EA Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.80
10 01 40 00-0007	EA Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	28.65
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)	
10 01 40 00-0009	EA Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher.....	22.87
10 01 40 00-0010	EA Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher.....	27.69
10 01 40 00-0011	EA Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher.....	39.12
10 01 40 00-0012	EA Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher.....	61.75
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)	
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.63
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	161.30
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	225.82
10 01 40 00-0017	EA Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	92.98

10 01 50 Operation and Maintenance of Storage Specialties^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)	
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door.....	373.74
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	293.86
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	251.81
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	212.36
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....	117.28
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure	52.31
10 01 50 11-0008	EA Patch Small Drill Holes In Locker.....	10.46

10 10 Information Specialties⁽¹⁰⁾

10 11 Visual Display Units^(10 11)

10 11 13 Chalkboards^(10 11)

10 11 13 13 Fixed Chalkboards^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)	
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)	
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	47.90
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	30.25
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.15
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.53
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	17.85

9.79
4.60
3.97
2.59
1.44

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) (10 11 13 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	50.53	9.79
10 11 13 13-0010 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.82	4.60
10 11 13 13-0011 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.51	3.97
10 11 13 13-0012 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.39	2.59
10 11 13 13-0013 SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	20.65	1.44
10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) (10 11 13 13-0001) Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	46.28	9.79
10 11 13 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	28.60	4.60
10 11 13 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	24.56	3.97
10 11 13 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	20.21	2.59
10 11 13 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	16.37	1.44
10 11 13 13-0020 Removal And Reinstallation Of Chalkboards (10 11 13 13) Note: Includes storage and cleaning.		
10 11 13 13-0021 SF Removal And Reinstallation Of Chalkboard	11.98	
10 11 13 13-0022 Field Applied Chalkboard And Accessories (10 11 13 13)		
10 11 13 13-0023 Chalkboard Face Sheets And Panels (10 11 13 13-0022)		
10 11 13 13-0024 SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	16.19	4.60
Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025 SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	19.11	4.60
Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim (10 11 13 13-0022)		
10 11 13 13-0027 LF Chalk And Marker Tray, Field Applied	23.54	6.33
10 11 13 13-0028 PR Chalk And Marker Tray End Closures, Field Applied	30.17	11.51
10 11 13 13-0029 LF Mullion Trim For Chalkboards And Markerboards, Field Applied	17.08	6.33
10 11 13 13-0030 LF Screw On Trim For Chalkboards And Markerboards, Field Applied	16.74	6.33
10 11 13 13-0031 LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.73	6.33
10 11 13 13-0032 LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.62	6.33
10 11 13 13-0033 LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.73	6.33
10 11 13 33 Rail-Mounted Chalkboards (10 11 13)		
10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) (10 11 13 33)		
10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)		
10 11 13 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,128.44	115.09
10 11 13 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,386.40	115.09
10 11 13 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,701.07	122.57
10 11 13 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,000.79	122.57
10 11 13 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,734.46	131.78
10 11 13 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,973.53	131.78
10 11 13 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,487.21	138.11
10 11 13 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,080.67	138.11
10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)		
10 11 13 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,897.91	115.09
10 11 13 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,432.24	115.09
10 11 13 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,925.85	122.57
10 11 13 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,416.44	122.57
10 11 13 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,032.81	131.78
10 11 13 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,249.01	131.78
10 11 13 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,151.40	138.11
10 11 13 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,873.10	138.11
10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)		
10 11 13 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,225.97	115.09
10 11 13 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,662.88	115.09



Specialties			10
Information Specialties			10 10
Visual Display Units			10 11

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,137.61		122.57
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,639.13		122.57
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,613.39		131.78
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,843.51		131.78
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,896.01		138.11
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,694.82		138.11
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) (10 11 13 33)			
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)			
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,538.50		115.09
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,798.45		115.09
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,059.44		122.57
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,510.74		122.57
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,845.25		131.78
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,261.75		131.78
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)			
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,709.52		115.09
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,113.10		115.09
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,519.71		122.57
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,262.26		122.57
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,726.96		131.78
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,400.90		131.78
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)			
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,054.51		115.09
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,604.71		115.09
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,157.94		122.57
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,190.73		122.57
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,797.55		131.78
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,746.84		131.78
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) (10 11 13 33)			
		Note: Excludes remotes.			
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)			
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,119.62		230.19
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,349.87		230.19
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,608.42		237.38
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,030.13		237.38
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,498.05		244.57
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,904.85		244.57
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,793.75		258.96
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,906.29		258.96
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)			
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,738.79		230.19
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,043.20		230.19
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,384.86		237.38
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,004.61		237.38
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,622.84		244.57
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,211.77		244.57
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,411.04		258.96
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,589.39		258.96
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)			
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,531.84		230.19
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,300.11		230.19
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,708.97		237.38
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,514.82		237.38
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,363.89		244.57
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,178.69		244.57
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,789.73		258.96
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,103.48		258.96
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories (10 11 13 33)			

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	607.00		
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,035.47		
10 11 16 Markerboards (10 11)					
10 11 16 13 Fixed Markerboards (10 11 16)					
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.					
10 11 16 13-0001		Porcelain Enamel Steel Markerboards (10 11 16 13)			
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) (10 11 16 13-0001)			
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.					
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	48.07	9.79	
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	30.83	4.60	
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	26.15	3.97	
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	21.74	2.59	
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	17.62	1.44	
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) (10 11 16 13-0001)			
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.					
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	50.57	9.79	
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	31.58	4.60	
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	27.26	3.97	
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.15	2.59	
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.93	1.44	
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) (10 11 16 13-0001)			
Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.					
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	46.26	9.79	
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	28.61	4.60	
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	25.77	3.97	
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	20.33	2.59	
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	16.09	1.44	
10 11 16 13-0020		Melamine Markerboards (10 11 16 13)			
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020)			
Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.					
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	38.63	9.79	
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	23.34	4.60	
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	20.24	3.97	
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	15.11	2.59	
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	12.11	1.44	
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020)			
Note: Includes marker tray and mounting hardware.					
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	37.78	9.79	
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	22.94	4.60	
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	19.68	3.97	
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	14.12	2.59	
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	11.21	1.44	
10 11 16 13-0033		Nonporous, Non-Staining Markerboards (10 11 16 13)			
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033)			
Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.					
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	57.18	9.79	
For Magnetic Surface, Add					
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	37.83	4.60	
For Magnetic Surface, Add					
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	32.62	3.97	
For Magnetic Surface, Add					
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	28.88	2.59	
For Magnetic Surface, Add					
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	24.99	1.44	
For Magnetic Surface, Add					



Specialties			10
Information Specialties			10 10
Visual Display Units			10 11

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0040 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041 SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	57.18 3.76	9.79
10 11 16 13-0042 SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	37.83 2.86	4.60
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	32.62 2.47	3.97
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	28.88 2.37	2.59
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	24.99 2.21	1.44
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	103.78 8.42	9.79
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	65.83 5.66	4.60
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	55.62 4.77	3.97
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	47.07 4.19	2.59
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	36.61 3.37	1.44
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033) Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	25.72	3.97
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	22.03	2.59
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	18.59	1.44
10 11 16 13-0056 Removal And Reinstallation Of Markerboard (10 11 16 13) Note: Includes storage and cleaning.		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard	69.05	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard	80.57	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard	92.08	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard	103.58	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard	115.09	
10 11 16 13-0062 Field Applied Markerboard And Accessories (10 11 16 13)		
10 11 16 13-0063 Markerboard Face Sheets And Panels (10 11 16 13-0062)		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	15.95	4.60
Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	18.57	4.60
Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	18.51	4.60
Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)	11.19	4.60
Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim (10 11 16 13-0062) See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33 Rail-Mounted Markerboards (10 11 16)		
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) (10 11 16 33)		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,103.15	115.09
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,352.68	115.09
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,658.92	122.57

10	Specialties
10 10	Information Specialties
10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,950.20	122.57
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,675.45	131.78
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,906.09	131.78
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,402.91	138.11
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,979.51	138.11
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,872.61	115.09
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,398.51	115.09
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,883.70	122.57
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,365.86	122.57
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,973.80	131.78
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,181.57	131.78
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,067.10	138.11
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,771.94	138.11
10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,200.68	115.09
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,629.15	115.09
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,095.45	122.57
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,588.55	122.57
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,554.37	131.78
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,776.07	131.78
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,811.71	138.11
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,618.95	138.11
10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) (10 11 16 33)		
10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0029)		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,504.78	115.09
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,756.30	115.09
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,008.86	122.57
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,443.30	122.57
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,760.94	131.78
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,160.59	131.78
10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0029)		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,642.08	115.09
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,028.80	115.09
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,418.55	122.57
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,127.37	122.57
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,558.35	131.78
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,198.58	131.78
10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0029)		
10 11 16 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,953.35	115.09
10 11 16 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,478.26	115.09
10 11 16 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,006.19	122.57
10 11 16 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,988.40	122.57
10 11 16 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,544.64	131.78
10 11 16 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,443.34	131.78
10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) (10 11 16 33)		
Note: Excludes remotes.		
10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0051)		
10 11 16 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,077.47	230.19
10 11 16 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,297.18	230.19
10 11 16 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,545.19	237.38
10 11 16 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,945.83	237.38
10 11 16 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,392.67	244.57
10 11 16 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,778.39	244.57
10 11 16 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,646.22	258.96
10 11 16 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,737.68	258.96



Specialties			10
Information Specialties			10 10
Visual Display Units			10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 11 16 33-0061	Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0051)	
10 11 16 33-0062 EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,654.49 230.19
10 11 16 33-0063 EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,937.82 230.19
10 11 16 33-0064 EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,258.41 237.38
10 11 16 33-0065 EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,836.00 237.38
10 11 16 33-0066 EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,412.08 244.57
10 11 16 33-0067 EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,958.86 244.57
10 11 16 33-0068 EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,115.98 258.96
10 11 16 33-0069 EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,252.17 258.96

10 11 16 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0051)	
10 11 16 33-0071 EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,405.38 230.19
10 11 16 33-0072 EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,142.04 230.19
10 11 16 33-0073 EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,519.29 237.38
10 11 16 33-0074 EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,261.91 237.38
10 11 16 33-0075 EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,047.76 244.57
10 11 16 33-0076 EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,799.33 244.57
10 11 16 33-0077 EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,347.14 258.96
10 11 16 33-0078 EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,597.66 258.96

10 11 16 33-0079	Sliding Chalkboard And Markerboard Accessories (10 11 16 33) See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.	

10 11 16 53 Electronic Markerboards (10 11 16)

10 11 16 53-0001	Interactive White Boards (10 11 16 53)	
10 11 16 53-0002 EA	Mobile System, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 378 Mobile System).....	10,788.27
Note: Includes ActivBoard 378, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.		
10 11 16 53-0003 EA	Mobile System, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 387 Mobile System).....	11,249.40
Note: Includes ActivBoard 387, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.		
10 11 16 53-0004 EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 378 PRO).....	8,866.24
Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.		
10 11 16 53-0005 EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 387 PRO).....	9,251.33
Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.		
10 11 16 53-0006 EA	Fixed Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 395 PRO).....	10,038.67
Note: Includes ActivBoard 395 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.		
10 11 16 53-0007 EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 378 PRO)	9,815.47
Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.		
10 11 16 53-0008 EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 387 PRO)	11,061.48
Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.		
10 11 16 53-0009 EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 378 PRO)	10,629.04
Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.		
10 11 16 53-0010 EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 387 PRO)	10,996.96
Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.		
10 11 16 53-0011 EA	Adjustable Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 395 PRO)	18,269.45
Note: Includes ActivBoard 395 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.		
10 11 16 53-0012 EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 378 PRO).....	12,760.50
Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.		
10 11 16 53-0013 EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 387 PRO).....	11,754.86
Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.		

10 11 23 Tackboards (10 11)

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13 Fixed Tackboards (10 11 23)					
Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.					
10 11 23 13-0001 Fixed Tackboards (10 11 23 13)					
Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.					
10 11 23 13-0002 Cork Surface, Fixed Tackboards (10 11 23 13-0001)					
Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.					
10 11 23 13-0003 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)					
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	32.91	9.79	
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.49	4.60	
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.02	3.97	
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.63	2.59	
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.15	1.44	
10 11 23 13-0009 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) (10 11 23 13-0002)					
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	34.48	9.79	
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	19.22	4.60	
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.64	3.97	
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.05	2.59	
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.24	1.44	
10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)					
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	34.65	9.79	
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	20.75	4.60	
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	19.12	3.97	
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.57	2.59	
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.36	1.44	
10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001)					
Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.					
10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)					
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	37.46	9.79	
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.96	4.60	
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.80	3.97	
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.43	2.59	
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.05	1.44	
10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)					
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	41.28	9.79	
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	28.03	4.60	
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.90	3.97	
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.41	2.59	
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.23	1.44	
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001)					
Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.					
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)					
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	33.99	9.79	
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.81	4.60	
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	17.51	3.97	
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.16	2.59	
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.52	1.44	
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)					
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	36.14	9.79	
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	22.61	4.60	
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	20.86	3.97	
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	16.48	2.59	
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.35	1.44	



			Specialties	10	10
			Information Specialties	10 10	
			Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	32.91	9.79
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.57	4.60
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	16.14	3.97
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.63	2.59
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.96	1.44
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	34.65	9.79
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.52	4.60
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	19.12	3.97
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.57	2.59
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.36	1.44
10 12 Display Cases (10 10)		
10 12 00 00-0001 Counter Display Cases (10 12)		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases	1,990.80	176.32
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases	2,153.69	176.32
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases	2,087.35	176.32
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases	2,096.35	78.37
10 12 00 00-0006 Upright Display Case (10 12)		
10 12 00 00-0007 EA 72" High x 20" Deep x 70" Wide, Upright Display Case	4,200.53	176.32
10 12 00 00-0008 Full Vision Display Case (10 12)		
10 12 00 00-0009 EA 38" x 20" x 70" Full Vision Display Case	2,727.32	176.32
10 13 Directories (10 10)		
10 13 11 Directory and Bulletin Boards (10 13)		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001 Wall Mounted Directories (10 13 11) Note: Includes changeable letters.		
10 13 11 00-0002 Open Face, Wall Mounted Directories (10 13 11 00-0001) Note: Includes vinyl or felt back panel.		
10 13 11 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) (10 13 11 00-0002)		
10 13 11 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	53.04	9.79
10 13 11 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	34.31	4.60
10 13 11 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	31.14	3.97
10 13 11 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	23.69	2.59
10 13 11 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory	18.79	1.44
10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)		
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	53.54	9.79
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	34.64	4.60
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	31.80	3.97
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	22.61	2.59
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.28	1.44
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)		

10 Specialties**10 10 Information Specialties****10 13 Directories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	127.77 15.00	9.79
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	101.75 15.00	4.60
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	85.23 15.00	3.97
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	78.69 15.00	2.59
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	70.98 15.00	1.44
10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	110.20 15.00	9.79
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	88.00 15.00	3.97
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	63.04 15.00	2.59
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	56.56 15.00	1.44
10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	114.60 15.00 12.00 19.01	9.79
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	88.09 15.00 12.00 15.78	4.60
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	74.56 15.00 12.00 13.32	3.97
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	54.72 15.00 12.00 9.91	2.59
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	50.85 15.00 12.00 9.59	1.44
10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	175.41 15.00 12.00 31.17	9.79
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	101.68 15.00 12.00 18.49	4.60
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	85.68 15.00 12.00 15.55	3.97
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	65.94 15.00 12.00 12.15	2.59
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.80 15.00 12.00 11.58	1.44
10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		



Specialties			10
Information Specialties			10 10
Directories			10 13

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add	172.34 15.00 12.00	9.79
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add	114.68 15.00 12.00	4.60
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add	111.33 15.00 12.00	3.97
10 13 11 00-0047 Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add	124.78 15.00	9.79
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	99.51 15.00	4.60
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	83.00 15.00	3.97
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	76.58 15.00	2.59
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	69.98 15.00	1.44
10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	104.90 15.00	9.79
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add	82.96 15.00	3.97
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add	59.14 15.00	2.59
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	53.58 15.00	1.44
10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	117.33 15.00 12.00 19.55	9.79
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	90.81 15.00 12.00 16.32	4.60
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	77.28 15.00 12.00 13.87	3.97
10 13 11 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	57.45 15.00 12.00 10.46	2.59
10 13 11 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	53.58 15.00 12.00 10.14	1.44
10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	178.14 15.00 12.00 31.71	9.79
10 13 11 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	104.40 15.00 12.00 19.04	4.60

10 Specialties**10 10 Information Specialties****10 13 Directories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	88.40 15.00 12.00 16.09	3.97
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	68.67 15.00 12.00 12.70	2.59
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	63.52 15.00 12.00 12.13	1.44
10 13 11 00-0074		Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0074)		
10 13 11 00-0076		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0075)		
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	169.61 15.00 12.00	9.79
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	111.96 15.00 12.00	4.60
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	108.63 15.00 12.00	3.97
10 14 Signage (10 10)				
Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.				
10 14 16 Plaques (10 14)				
Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.				
10 14 16 00-0001		Metal Cased Plaque (10 14 16)		
10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	347.16 -37.04 -60.25	28.76
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	400.73 -42.93 -71.50	28.76
10 14 16 00-0004		Metal Engraved Plaque, Etched (10 14 16)		
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	439.62 -47.21 -79.67	28.76
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	410.12 -43.96 -73.47	28.76
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	282.70 -29.95 -46.71	28.76
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	273.31 -28.91 -44.74	28.76
10 14 16 00-0009		Metal Built-Up Plaque (10 14 16)		
10 14 16 00-0010	SF	Bronze Built-up Plaque..... Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	292.83 -30.77 -45.68	35.66
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque..... Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	297.34 -31.27 -46.62	35.66
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque..... Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	448.27 -47.87 -78.32	35.66
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque..... Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	328.23 -34.67 -53.11	71.90



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0014	SF		Bronze Built-up Plaque Note: Including Raised Bronze Lettering For >5 To 10, Deduct For >10 Each, Deduct	290.59 -30.53 -45.21	71.90
10 14 16 00-0015			Metal Nameplate Plaques (10 14 16)		
10 14 16 00-0016	SF		Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each For >5 To 10, Deduct For >10 Each, Deduct	152.00 -15.95 -23.48	19.57
10 14 16 00-0017	SF		Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each For >5 To 10, Deduct For >10 Each, Deduct	311.45 -33.49 -56.96	19.57
10 14 16 00-0018	EA		1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each For >5 To 10, Deduct For >10 Each, Deduct	121.89 -12.64 -17.16	19.57
10 14 16 00-0019	EA		1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each For >5 To 10, Deduct For >10 Each, Deduct	157.21 -16.53 -24.57	19.57
10 14 16 00-0020	SF		Bronze Built-up Plaque Including Raised Bronze Lettering For >5 To 10, Deduct For >10 Each, Deduct	285.21 -29.94 -44.08	71.90
10 14 19			Dimensional Letter Signage (10 14) Note: Mounted on masonry or concrete.		
10 14 19 00-0001			Cast Characters (10 14 19) Note: Any font.		
10 14 19 00-0002			Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)		
10 14 19 00-0003	EA		2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	54.42 -5.60 2.57 7.70 10.26 12.83	7.20
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	64.63 -6.34 3.36 10.07 13.42 16.78	7.77
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	70.86 -6.88 3.75 11.25 15.00 18.75	8.34
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	81.40 -7.87 4.34 13.03 17.37 21.72	9.55
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	89.61 -8.51 4.94 14.81 19.74 24.68	10.06
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	107.21 -9.96 6.12 18.36 24.48 30.60	11.50
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	119.38 -10.80 7.11 21.32 28.42 35.53	12.08
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	136.65 -12.01 8.49 25.46 33.95 42.44	12.94
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Patina Finish, Add For Color Anodized, Add	166.42 -14.30 10.66 31.98 42.64 53.30	14.95

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	199.30	17.26
			For Installation With Adhesive, Deduct	-16.87	
			For Clear Anodized, Add	13.03	
			For Satin Face And Enameled Return, Add	39.08	
			For Patina Finish, Add	52.11	
			For Color Anodized, Add	65.14	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	218.85	19.18
			For Installation With Adhesive, Deduct	-18.62	
			For Clear Anodized, Add	14.21	
			For Satin Face And Enameled Return, Add	42.64	
			For Patina Finish, Add	56.85	
			For Color Anodized, Add	71.06	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	244.69	20.71
			For Installation With Adhesive, Deduct	-20.52	
			For Clear Anodized, Add	16.19	
			For Satin Face And Enameled Return, Add	48.56	
			For Patina Finish, Add	64.74	
			For Color Anodized, Add	80.93	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	297.33	23.00
			For Installation With Adhesive, Deduct	-24.07	
			For Clear Anodized, Add	20.53	
			For Satin Face And Enameled Return, Add	61.59	
			For Patina Finish, Add	82.12	
			For Color Anodized, Add	102.65	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	360.15	25.88
			For Installation With Adhesive, Deduct	-28.36	
			For Clear Anodized, Add	25.66	
			For Satin Face And Enameled Return, Add	76.98	
			For Patina Finish, Add	102.64	
			For Color Anodized, Add	128.31	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	434.81	28.76
			For Installation With Adhesive, Deduct	-33.24	
			For Clear Anodized, Add	31.98	
			For Satin Face And Enameled Return, Add	95.93	
			For Patina Finish, Add	127.91	
			For Color Anodized, Add	159.89	
10 14 19 00-0018			Satin Finish, Cast Bronze Characters (10 14 19 00-0001)		
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	67.14	7.92
			For Installation With Adhesive, Deduct	-6.52	
			For Oxidized Finish, Add	5.33	
			For Polished Or Patina Finish, Add	10.65	
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	97.07	8.62
			For Installation With Adhesive, Deduct	-8.31	
			For Oxidized Finish, Add	9.38	
			For Polished Or Patina Finish, Add	18.77	
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	106.12	9.21
			For Installation With Adhesive, Deduct	-8.99	
			For Oxidized Finish, Add	10.40	
			For Polished Or Patina Finish, Add	20.79	
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	129.33	10.35
			For Installation With Adhesive, Deduct	-10.61	
			For Oxidized Finish, Add	13.19	
			For Polished Or Patina Finish, Add	26.37	
10 14 19 00-0023	EA		6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	144.03	11.05
			For Installation With Adhesive, Deduct	-11.63	
			For Oxidized Finish, Add	14.96	
			For Polished Or Patina Finish, Add	29.92	
10 14 19 00-0024	EA		8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	192.63	12.66
			For Installation With Adhesive, Deduct	-14.69	
			For Oxidized Finish, Add	21.30	
			For Polished Or Patina Finish, Add	42.60	
10 14 19 00-0025	EA		9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	220.29	13.23
			For Installation With Adhesive, Deduct	-16.31	
			For Oxidized Finish, Add	25.11	
			For Polished Or Patina Finish, Add	50.21	
10 14 19 00-0026	EA		10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	246.86	14.38
			For Installation With Adhesive, Deduct	-18.10	
			For Oxidized Finish, Add	28.40	
			For Polished Or Patina Finish, Add	56.80	
10 14 19 00-0027	EA		12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	293.27	16.68
			For Installation With Adhesive, Deduct	-21.34	
			For Oxidized Finish, Add	33.98	
			For Polished Or Patina Finish, Add	67.96	
10 14 19 00-0028	EA		14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	344.73	18.98
			For Installation With Adhesive, Deduct	-24.83	
			For Oxidized Finish, Add	40.32	
			For Polished Or Patina Finish, Add	80.64	
10 14 19 00-0029	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	408.18	23.00
			For Installation With Adhesive, Deduct	-29.61	
			For Oxidized Finish, Add	47.42	
			For Polished Or Patina Finish, Add	94.84	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
10 14 19 00-0030	EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs		423.53		24.74
	For Installation With Adhesive, Deduct		-31.07		
	For Oxidized Finish, Add		48.69		
	For Polished Or Patina Finish, Add		97.38		
10 14 19 00-0031	EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs		603.61		28.76
	For Installation With Adhesive, Deduct		-41.68		
	For Oxidized Finish, Add		73.29		
	For Polished Or Patina Finish, Add		146.57		
10 14 19 00-0032	EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs		727.88		32.36
	For Installation With Adhesive, Deduct		-49.34		
	For Oxidized Finish, Add		89.77		
	For Polished Or Patina Finish, Add		179.54		
10 14 19 00-0033	EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs		927.22		37.39
	For Installation With Adhesive, Deduct		-61.32		
	For Oxidized Finish, Add		116.65		
	For Polished Or Patina Finish, Add		233.30		
10 14 19 00-0034	Molded Characters (10 14 19) Note: Any font.				
10 14 19 00-0035	Molded Plastic Characters (10 14 19 00-0034)				
10 14 19 00-0036	EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		42.04		5.76
	For Installation With Adhesive, Deduct		-4.40		
10 14 19 00-0037	EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		45.51		6.33
	For Installation With Adhesive, Deduct		-4.81		
10 14 19 00-0038	EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		50.29		6.90
	For Installation With Adhesive, Deduct		-5.28		
10 14 19 00-0039	EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		64.76		7.48
	For Installation With Adhesive, Deduct		-6.23		
10 14 19 00-0040	EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		69.99		8.05
	For Installation With Adhesive, Deduct		-6.72		
10 14 19 00-0041	EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		75.84		8.62
	For Installation With Adhesive, Deduct		-7.24		
10 14 19 00-0042	EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		88.37		10.06
	For Installation With Adhesive, Deduct		-8.44		
10 14 19 00-0043	EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		116.61		12.66
	For Installation With Adhesive, Deduct		-10.89		
10 14 19 00-0044	EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		148.78		14.95
	For Installation With Adhesive, Deduct		-13.42		
10 14 19 00-0045	EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		221.25		18.41
	For Installation With Adhesive, Deduct		-18.43		
10 14 19 00-0046	EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		330.02		21.58
	For Installation With Adhesive, Deduct		-25.13		
10 14 19 00-0047	EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		434.18		24.74
	For Installation With Adhesive, Deduct		-31.60		
10 14 19 00-0048	EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....		815.49		33.08
	For Installation With Adhesive, Deduct		-54.00		
10 14 19 00-0049	Cutout Characters (10 14 19) Note: Any font.				
10 14 19 00-0050	Satin Finish, Aluminum Characters (10 14 19 00-0049)				
10 14 19 00-0051	1/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)				
10 14 19 00-0052	EA 2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs		50.47		7.20
	For Installation With Adhesive, Deduct		-5.40		
	For Clear Anodized, Add		2.17		
	For Satin Face And Enameled Return, Add		7.60		
	For Color Anodized, Add		10.86		
	For Polished Or Patina Finish, Add		10.86		
	For Polished Anodized Finish, Add		16.28		
10 14 19 00-0053	EA 4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs		70.86		8.34
	For Installation With Adhesive, Deduct		-6.88		
	For Clear Anodized, Add		3.75		
	For Satin Face And Enameled Return, Add		13.13		
	For Color Anodized, Add		18.75		
	For Polished Or Patina Finish, Add		18.75		
	For Polished Anodized Finish, Add		28.13		
10 14 19 00-0054	EA 6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs		95.53		10.06
	For Installation With Adhesive, Deduct		-8.80		
	For Clear Anodized, Add		5.53		
	For Satin Face And Enameled Return, Add		19.34		
	For Color Anodized, Add		27.64		
	For Polished Or Patina Finish, Add		27.64		
	For Polished Anodized Finish, Add		41.45		
10 14 19 00-0055	EA 8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs		117.08		11.50
	For Installation With Adhesive, Deduct		-10.46		
	For Clear Anodized, Add		7.11		
	For Satin Face And Enameled Return, Add		24.87		
	For Color Anodized, Add		35.53		
	For Polished Or Patina Finish, Add		35.53		
	For Polished Anodized Finish, Add		53.30		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	134.67	12.94
			For Installation With Adhesive, Deduct	-11.91	
			For Clear Anodized, Add	8.29	
			For Satin Face And Enameled Return, Add	29.02	
			For Color Anodized, Add	41.45	
			For Polished Or Patina Finish, Add	41.45	
			For Polished Anodized Finish, Add	62.18	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	154.58	14.95
			For Installation With Adhesive, Deduct	-13.71	
			For Clear Anodized, Add	9.48	
			For Satin Face And Enameled Return, Add	33.16	
			For Color Anodized, Add	47.38	
			For Polished Or Patina Finish, Add	47.38	
			For Polished Anodized Finish, Add	71.06	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	181.53	17.26
			For Installation With Adhesive, Deduct	-15.98	
			For Clear Anodized, Add	11.25	
			For Satin Face And Enameled Return, Add	39.38	
			For Color Anodized, Add	56.26	
			For Polished Or Patina Finish, Add	56.26	
			For Polished Anodized Finish, Add	84.38	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	215.08	20.71
			For Installation With Adhesive, Deduct	-19.04	
			For Clear Anodized, Add	13.23	
			For Satin Face And Enameled Return, Add	46.29	
			For Color Anodized, Add	66.13	
			For Polished Or Patina Finish, Add	66.13	
			For Polished Anodized Finish, Add	99.19	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	242.06	23.00
			For Installation With Adhesive, Deduct	-21.31	
			For Clear Anodized, Add	15.00	
			For Satin Face And Enameled Return, Add	52.51	
			For Color Anodized, Add	75.01	
			For Polished Or Patina Finish, Add	75.01	
			For Polished Anodized Finish, Add	112.52	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	291.06	25.88
			For Installation With Adhesive, Deduct	-24.91	
			For Clear Anodized, Add	18.75	
			For Satin Face And Enameled Return, Add	65.63	
			For Color Anodized, Add	93.76	
			For Polished Or Patina Finish, Add	93.76	
			For Polished Anodized Finish, Add	140.64	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	334.33	27.32
			For Installation With Adhesive, Deduct	-27.65	
			For Clear Anodized, Add	22.50	
			For Satin Face And Enameled Return, Add	78.76	
			For Color Anodized, Add	112.52	
			For Polished Or Patina Finish, Add	112.52	
			For Polished Anodized Finish, Add	168.77	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	415.08	28.76
			For Installation With Adhesive, Deduct	-32.26	
			For Clear Anodized, Add	30.00	
			For Satin Face And Enameled Return, Add	105.01	
			For Color Anodized, Add	150.02	
			For Polished Or Patina Finish, Add	150.02	
			For Polished Anodized Finish, Add	225.03	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	595.35	34.52
			For Installation With Adhesive, Deduct	-43.57	
			For Clear Anodized, Add	45.73	
			For Satin Face And Enameled Return, Add	160.05	
			For Color Anodized, Add	228.65	
			For Polished Or Patina Finish, Add	228.65	
			For Polished Anodized Finish, Add	342.97	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	64.37	7.20
			For Installation With Adhesive, Deduct	-6.09	
			For Clear Anodized, Add	3.56	
			For Satin Face And Enameled Return, Add	12.46	
			For Color Anodized, Add	17.81	
			For Polished Or Patina Finish, Add	17.81	
			For Polished Anodized Finish, Add	26.71	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	92.62	8.34
			For Installation With Adhesive, Deduct	-7.97	
			For Clear Anodized, Add	5.93	
			For Satin Face And Enameled Return, Add	20.74	
			For Color Anodized, Add	29.63	
			For Polished Or Patina Finish, Add	29.63	
			For Polished Anodized Finish, Add	44.45	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	117.08	10.06
			For Installation With Adhesive, Deduct	-9.88	
			For Clear Anodized, Add	7.68	
			For Satin Face And Enameled Return, Add	26.89	
			For Color Anodized, Add	38.41	
			For Polished Or Patina Finish, Add	38.41	
			For Polished Anodized Finish, Add	57.62	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0069	EA	8"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	146.93 -11.95 10.09 35.32 50.46 50.46 75.68	11.50
10 14 19 00-0070	EA	10"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	170.32 -13.69 11.86 41.49 59.28 59.28 88.91	12.94
10 14 19 00-0071	EA	12"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	200.06 -15.99 14.02 49.08 70.12 70.12 105.17	14.95
10 14 19 00-0072	EA	14"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	234.41 -18.62 16.54 57.89 82.70 82.70 124.04	17.26
10 14 19 00-0073	EA	16"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	290.47 -22.81 20.76 72.67 103.82 103.82 155.73	20.71
10 14 19 00-0074	EA	18"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	336.57 -26.03 24.45 85.59 122.27 122.27 183.40	23.00
10 14 19 00-0075	EA	20"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	390.45 -29.88 28.69 100.42 143.46 143.46 215.18	25.88
10 14 19 00-0076	EA	22"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	437.84 -32.82 32.85 114.99 164.27 164.27 246.41	27.32
10 14 19 00-0077	EA	24"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	487.08 -35.86 37.20 130.21 186.02 186.02 279.03	28.76
10 14 19 00-0078	EA	30"	High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	671.02 -47.36 53.30 186.54 266.48 266.48 399.72	34.52
10 14 19 00-0079		1/2"	Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0080	EA	2"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	80.44 -6.90 5.17 18.09 25.84 25.84 38.76	7.20
10 14 19 00-0081	EA	4"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Clear Anodized, Add For Satin Face And Enameled Return, Add For Color Anodized, Add For Polished Or Patina Finish, Add For Polished Anodized Finish, Add	104.24 -8.55 7.09 24.81 35.44 35.44 53.16	8.34

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	130.90	10.06
			For Installation With Adhesive, Deduct	-10.57	
			For Clear Anodized, Add	9.06	
			For Satin Face And Enameled Return, Add	31.72	
			For Color Anodized, Add	45.32	
			For Polished Or Patina Finish, Add	45.32	
			For Polished Anodized Finish, Add	67.98	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	154.74	11.50
			For Installation With Adhesive, Deduct	-12.34	
			For Clear Anodized, Add	10.87	
			For Satin Face And Enameled Return, Add	38.05	
			For Color Anodized, Add	54.36	
			For Polished Or Patina Finish, Add	54.36	
			For Polished Anodized Finish, Add	81.54	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	180.27	12.94
			For Installation With Adhesive, Deduct	-14.19	
			For Clear Anodized, Add	12.85	
			For Satin Face And Enameled Return, Add	44.98	
			For Color Anodized, Add	64.25	
			For Polished Or Patina Finish, Add	64.25	
			For Polished Anodized Finish, Add	96.38	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	221.85	14.95
			For Installation With Adhesive, Deduct	-17.08	
			For Clear Anodized, Add	16.20	
			For Satin Face And Enameled Return, Add	56.71	
			For Color Anodized, Add	81.01	
			For Polished Or Patina Finish, Add	81.01	
			For Polished Anodized Finish, Add	121.52	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	273.79	17.26
			For Installation With Adhesive, Deduct	-20.59	
			For Clear Anodized, Add	20.48	
			For Satin Face And Enameled Return, Add	71.67	
			For Color Anodized, Add	102.39	
			For Polished Or Patina Finish, Add	102.39	
			For Polished Anodized Finish, Add	153.58	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	331.46	20.71
			For Installation With Adhesive, Deduct	-24.86	
			For Clear Anodized, Add	24.86	
			For Satin Face And Enameled Return, Add	87.02	
			For Color Anodized, Add	124.32	
			For Polished Or Patina Finish, Add	124.32	
			For Polished Anodized Finish, Add	186.47	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	402.58	23.00
			For Installation With Adhesive, Deduct	-29.33	
			For Clear Anodized, Add	31.05	
			For Satin Face And Enameled Return, Add	108.69	
			For Color Anodized, Add	155.27	
			For Polished Or Patina Finish, Add	155.27	
			For Polished Anodized Finish, Add	232.91	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	474.83	25.88
			For Installation With Adhesive, Deduct	-34.10	
			For Clear Anodized, Add	37.13	
			For Satin Face And Enameled Return, Add	129.95	
			For Color Anodized, Add	185.65	
			For Polished Or Patina Finish, Add	185.65	
			For Polished Anodized Finish, Add	278.47	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	545.85	27.32
			For Installation With Adhesive, Deduct	-38.22	
			For Clear Anodized, Add	43.66	
			For Satin Face And Enameled Return, Add	152.79	
			For Color Anodized, Add	218.28	
			For Polished Or Patina Finish, Add	218.28	
			For Polished Anodized Finish, Add	327.41	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	613.10	28.76
			For Installation With Adhesive, Deduct	-42.16	
			For Clear Anodized, Add	49.81	
			For Satin Face And Enameled Return, Add	174.32	
			For Color Anodized, Add	249.03	
			For Polished Or Patina Finish, Add	249.03	
			For Polished Anodized Finish, Add	373.55	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	852.22	34.52
			For Installation With Adhesive, Deduct	-56.42	
			For Clear Anodized, Add	71.42	
			For Satin Face And Enameled Return, Add	249.96	
			For Color Anodized, Add	357.08	
			For Polished Or Patina Finish, Add	357.08	
			For Polished Anodized Finish, Add	535.62	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	84.13	7.20
			For Installation With Adhesive, Deduct	-7.08	
			For Clear Anodized, Add	5.54	
			For Satin Face And Enameled Return, Add	19.38	
			For Color Anodized, Add	27.69	
			For Polished Or Patina Finish, Add	27.69	
			For Polished Anodized Finish, Add	41.53	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0095	EA	4"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.37	8.34
			For Installation With Adhesive, Deduct	-8.75	
			For Clear Anodized, Add	7.50	
			For Satin Face And Enameled Return, Add	26.25	
			For Color Anodized, Add	37.51	
			For Polished Or Patina Finish, Add	37.51	
			For Polished Anodized Finish, Add	56.26	
10 14 19 00-0096	EA	6"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	143.06	10.06
			For Installation With Adhesive, Deduct	-11.18	
			For Clear Anodized, Add	10.28	
			For Satin Face And Enameled Return, Add	35.98	
			For Color Anodized, Add	51.40	
			For Polished Or Patina Finish, Add	51.40	
			For Polished Anodized Finish, Add	77.10	
10 14 19 00-0097	EA	8"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	190.27	11.50
			For Installation With Adhesive, Deduct	-14.12	
			For Clear Anodized, Add	14.43	
			For Satin Face And Enameled Return, Add	50.49	
			For Color Anodized, Add	72.13	
			For Polished Or Patina Finish, Add	72.13	
			For Polished Anodized Finish, Add	108.19	
10 14 19 00-0098	EA	10"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	239.13	12.94
			For Installation With Adhesive, Deduct	-17.13	
			For Clear Anodized, Add	18.74	
			For Satin Face And Enameled Return, Add	65.58	
			For Color Anodized, Add	93.68	
			For Polished Or Patina Finish, Add	93.68	
			For Polished Anodized Finish, Add	140.52	
10 14 19 00-0099	EA	12"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	300.49	14.95
			For Installation With Adhesive, Deduct	-21.01	
			For Clear Anodized, Add	24.07	
			For Satin Face And Enameled Return, Add	84.23	
			For Color Anodized, Add	120.33	
			For Polished Or Patina Finish, Add	120.33	
			For Polished Anodized Finish, Add	180.50	
10 14 19 00-0100	EA	14"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	375.06	17.26
			For Installation With Adhesive, Deduct	-25.66	
			For Clear Anodized, Add	30.60	
			For Satin Face And Enameled Return, Add	107.11	
			For Color Anodized, Add	153.02	
			For Polished Or Patina Finish, Add	153.02	
			For Polished Anodized Finish, Add	229.53	
10 14 19 00-0101	EA	16"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	463.72	20.71
			For Installation With Adhesive, Deduct	-31.47	
			For Clear Anodized, Add	38.09	
			For Satin Face And Enameled Return, Add	133.31	
			For Color Anodized, Add	190.45	
			For Polished Or Patina Finish, Add	190.45	
			For Polished Anodized Finish, Add	285.67	
10 14 19 00-0102	EA	18"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	567.60	23.00
			For Installation With Adhesive, Deduct	-37.58	
			For Clear Anodized, Add	47.56	
			For Satin Face And Enameled Return, Add	166.45	
			For Color Anodized, Add	237.78	
			For Polished Or Patina Finish, Add	237.78	
			For Polished Anodized Finish, Add	356.67	
10 14 19 00-0103	EA	20"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	675.48	25.88
			For Installation With Adhesive, Deduct	-44.13	
			For Clear Anodized, Add	57.19	
			For Satin Face And Enameled Return, Add	200.18	
			For Color Anodized, Add	285.97	
			For Polished Or Patina Finish, Add	285.97	
			For Polished Anodized Finish, Add	428.96	
10 14 19 00-0104	EA	22"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	784.38	27.32
			For Installation With Adhesive, Deduct	-50.15	
			For Clear Anodized, Add	67.51	
			For Satin Face And Enameled Return, Add	236.28	
			For Color Anodized, Add	337.54	
			For Polished Or Patina Finish, Add	337.54	
			For Polished Anodized Finish, Add	506.31	
10 14 19 00-0105	EA	24"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	898.13	28.76
			For Installation With Adhesive, Deduct	-56.41	
			For Clear Anodized, Add	78.31	
			For Satin Face And Enameled Return, Add	274.08	
			For Color Anodized, Add	391.55	
			For Polished Or Patina Finish, Add	391.55	
			For Polished Anodized Finish, Add	587.32	
10 14 19 00-0106	EA	30"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,235.95	34.52
			For Installation With Adhesive, Deduct	-75.60	
			For Clear Anodized, Add	109.79	
			For Satin Face And Enameled Return, Add	384.26	
			For Color Anodized, Add	548.95	
			For Polished Or Patina Finish, Add	548.95	
			For Polished Anodized Finish, Add	823.42	
10 14 19 00-0107		1"	Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	93.90	7.20
			For Installation With Adhesive, Deduct	-7.57	
			For Clear Anodized, Add	6.51	
			For Satin Face And Enameled Return, Add	22.80	
			For Color Anodized, Add	32.57	
			For Polished Or Patina Finish, Add	32.57	
			For Polished Anodized Finish, Add	48.86	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	116.24	8.34
			For Installation With Adhesive, Deduct	-9.15	
			For Clear Anodized, Add	8.29	
			For Satin Face And Enameled Return, Add	29.01	
			For Color Anodized, Add	41.44	
			For Polished Or Patina Finish, Add	41.44	
			For Polished Anodized Finish, Add	62.16	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	153.01	10.06
			For Installation With Adhesive, Deduct	-11.68	
			For Clear Anodized, Add	11.28	
			For Satin Face And Enameled Return, Add	39.46	
			For Color Anodized, Add	56.38	
			For Polished Or Patina Finish, Add	56.38	
			For Polished Anodized Finish, Add	84.56	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.17	11.50
			For Installation With Adhesive, Deduct	-15.11	
			For Clear Anodized, Add	16.42	
			For Satin Face And Enameled Return, Add	57.45	
			For Color Anodized, Add	82.08	
			For Polished Or Patina Finish, Add	82.08	
			For Polished Anodized Finish, Add	123.11	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	286.39	12.94
			For Installation With Adhesive, Deduct	-19.50	
			For Clear Anodized, Add	23.46	
			For Satin Face And Enameled Return, Add	82.12	
			For Color Anodized, Add	117.31	
			For Polished Or Patina Finish, Add	117.31	
			For Polished Anodized Finish, Add	175.97	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	375.34	14.95
			For Installation With Adhesive, Deduct	-24.75	
			For Clear Anodized, Add	31.55	
			For Satin Face And Enameled Return, Add	110.43	
			For Color Anodized, Add	157.76	
			For Polished Or Patina Finish, Add	157.76	
			For Polished Anodized Finish, Add	236.63	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	475.19	17.26
			For Installation With Adhesive, Deduct	-30.66	
			For Clear Anodized, Add	40.62	
			For Satin Face And Enameled Return, Add	142.16	
			For Color Anodized, Add	203.09	
			For Polished Or Patina Finish, Add	203.09	
			For Polished Anodized Finish, Add	304.63	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	590.68	20.71
			For Installation With Adhesive, Deduct	-37.82	
			For Clear Anodized, Add	50.79	
			For Satin Face And Enameled Return, Add	177.75	
			For Color Anodized, Add	253.93	
			For Polished Or Patina Finish, Add	253.93	
			For Polished Anodized Finish, Add	380.89	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	716.11	23.00
			For Installation With Adhesive, Deduct	-45.01	
			For Clear Anodized, Add	62.41	
			For Satin Face And Enameled Return, Add	218.42	
			For Color Anodized, Add	312.04	
			For Polished Or Patina Finish, Add	312.04	
			For Polished Anodized Finish, Add	468.05	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	881.76	25.88
			For Installation With Adhesive, Deduct	-54.44	
			For Clear Anodized, Add	77.82	
			For Satin Face And Enameled Return, Add	272.38	
			For Color Anodized, Add	389.11	
			For Polished Or Patina Finish, Add	389.11	
			For Polished Anodized Finish, Add	583.67	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,052.16	27.32
			For Installation With Adhesive, Deduct	-63.54	
			For Clear Anodized, Add	94.29	
			For Satin Face And Enameled Return, Add	330.00	
			For Color Anodized, Add	471.43	
			For Polished Or Patina Finish, Add	471.43	
			For Polished Anodized Finish, Add	707.15	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,243.17	28.76
			For Installation With Adhesive, Deduct	-73.66	
			For Clear Anodized, Add	112.81	
			For Satin Face And Enameled Return, Add	394.85	
			For Color Anodized, Add	564.07	
			For Polished Or Patina Finish, Add	564.07	
			For Polished Anodized Finish, Add	846.10	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,758.25	34.52
			For Installation With Adhesive, Deduct	-101.72	
			For Clear Anodized, Add	162.02	
			For Satin Face And Enameled Return, Add	567.07	
			For Color Anodized, Add	810.10	
			For Polished Or Patina Finish, Add	810.10	
			For Polished Anodized Finish, Add	1,215.14	
10 14 19 00-0121			Satin Finish, Brass Characters (10 14 19 00-0049)		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	67.04	7.20
			For Installation With Adhesive, Deduct	-6.23	
			For Oxidized Finish, Add	5.74	
			For Polished Finish, Add	11.48	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	86.63	8.34
			For Installation With Adhesive, Deduct	-7.67	
			For Oxidized Finish, Add	7.99	
			For Polished Finish, Add	15.98	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	119.56	10.06
			For Installation With Adhesive, Deduct	-10.00	
			For Oxidized Finish, Add	11.90	
			For Polished Finish, Add	23.79	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	156.77	11.50
			For Installation With Adhesive, Deduct	-12.44	
			For Oxidized Finish, Add	16.61	
			For Polished Finish, Add	33.23	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	200.81	12.94
			For Installation With Adhesive, Deduct	-15.22	
			For Oxidized Finish, Add	22.36	
			For Polished Finish, Add	44.71	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	253.99	14.95
			For Installation With Adhesive, Deduct	-18.68	
			For Oxidized Finish, Add	29.12	
			For Polished Finish, Add	58.25	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	317.87	17.26
			For Installation With Adhesive, Deduct	-22.80	
			For Oxidized Finish, Add	37.33	
			For Polished Finish, Add	74.66	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	387.74	20.71
			For Installation With Adhesive, Deduct	-27.67	
			For Oxidized Finish, Add	45.74	
			For Polished Finish, Add	91.47	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	470.98	23.00
			For Installation With Adhesive, Deduct	-32.75	
			For Oxidized Finish, Add	56.84	
			For Polished Finish, Add	113.68	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	560.22	25.88
			For Installation With Adhesive, Deduct	-38.37	
			For Oxidized Finish, Add	68.50	
			For Polished Finish, Add	137.00	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	689.04	27.32
			For Installation With Adhesive, Deduct	-45.38	
			For Oxidized Finish, Add	86.96	
			For Polished Finish, Add	173.92	
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	755.73	28.76
			For Installation With Adhesive, Deduct	-49.29	
			For Oxidized Finish, Add	96.10	
			For Polished Finish, Add	192.21	
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,137.05	34.52
			For Installation With Adhesive, Deduct	-70.66	
			For Oxidized Finish, Add	149.85	
			For Polished Finish, Add	299.70	
10 14 19 00-0136			3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	80.44	7.20
			For Installation With Adhesive, Deduct	-6.90	
			For Oxidized Finish, Add	7.75	
			For Polished Finish, Add	15.50	
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	105.28	8.34
			For Installation With Adhesive, Deduct	-8.60	
			For Oxidized Finish, Add	10.79	
			For Polished Finish, Add	21.58	
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	151.29	10.06
			For Installation With Adhesive, Deduct	-11.59	
			For Oxidized Finish, Add	16.65	
			For Polished Finish, Add	33.31	
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	201.07	11.50
			For Installation With Adhesive, Deduct	-14.66	
			For Oxidized Finish, Add	23.26	
			For Polished Finish, Add	46.52	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	267.87	12.94
			For Installation With Adhesive, Deduct	-18.57	
			For Oxidized Finish, Add	32.42	
			For Polished Finish, Add	64.83	
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	341.36	14.95
			For Installation With Adhesive, Deduct	-23.05	
			For Oxidized Finish, Add	42.23	
			For Polished Finish, Add	84.46	
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	429.86	17.26
			For Installation With Adhesive, Deduct	-28.40	
			For Oxidized Finish, Add	54.13	
			For Polished Finish, Add	108.25	
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	509.71	20.71
			For Installation With Adhesive, Deduct	-33.77	
			For Oxidized Finish, Add	64.03	
			For Polished Finish, Add	128.06	
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	641.51	23.00
			For Installation With Adhesive, Deduct	-41.28	
			For Oxidized Finish, Add	82.42	
			For Polished Finish, Add	164.84	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	742.90	25.88
			For Installation With Adhesive, Deduct	-47.50	
			For Oxidized Finish, Add	95.90	
			For Polished Finish, Add	191.81	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	915.14	27.32
			For Installation With Adhesive, Deduct	-56.69	
			For Oxidized Finish, Add	120.88	
			For Polished Finish, Add	241.75	
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,044.04	28.76
			For Installation With Adhesive, Deduct	-63.71	
			For Oxidized Finish, Add	139.35	
			For Polished Finish, Add	278.70	
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,446.74	34.52
			For Installation With Adhesive, Deduct	-86.14	
			For Oxidized Finish, Add	196.30	
			For Polished Finish, Add	392.60	
10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)					
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	101.50	7.20
			For Installation With Adhesive, Deduct	-7.95	
			For Oxidized Finish, Add	10.91	
			For Polished Finish, Add	21.82	
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	131.92	8.34
			For Installation With Adhesive, Deduct	-9.93	
			For Oxidized Finish, Add	14.78	
			For Polished Finish, Add	29.57	
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	190.94	10.06
			For Installation With Adhesive, Deduct	-13.57	
			For Oxidized Finish, Add	22.60	
			For Polished Finish, Add	45.20	
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	261.99	11.50
			For Installation With Adhesive, Deduct	-17.70	
			For Oxidized Finish, Add	32.40	
			For Polished Finish, Add	64.79	
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	364.75	12.94
			For Installation With Adhesive, Deduct	-23.41	
			For Oxidized Finish, Add	46.95	
			For Polished Finish, Add	93.89	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	486.98	14.95
			For Installation With Adhesive, Deduct	-30.33	
			For Oxidized Finish, Add	64.07	
			For Polished Finish, Add	128.15	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	604.05	17.26
			For Installation With Adhesive, Deduct	-37.10	
			For Oxidized Finish, Add	80.25	
			For Polished Finish, Add	160.51	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	720.10	20.71
			For Installation With Adhesive, Deduct	-44.29	
			For Oxidized Finish, Add	95.59	
			For Polished Finish, Add	191.18	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	982.56	23.00
			For Installation With Adhesive, Deduct	-58.33	
			For Oxidized Finish, Add	133.58	
			For Polished Finish, Add	267.16	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,108.25	25.88
			For Installation With Adhesive, Deduct	-65.77	
			For Oxidized Finish, Add	150.71	
			For Polished Finish, Add	301.41	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,384.74	27.32
			For Installation With Adhesive, Deduct	-80.17	
			For Oxidized Finish, Add	191.32	
			For Polished Finish, Add	382.63	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0162 EA 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,620.66 -92.54 225.84 451.69	28.76
10 14 19 00-0163 EA 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	2,445.73 -136.09 346.15 692.30	34.52
10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0165 EA 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	124.47 -9.10 14.36 28.71	7.20
10 14 19 00-0166 EA 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	174.53 -12.06 21.18 42.35	8.34
10 14 19 00-0167 EA 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	238.52 -15.95 29.74 59.48	10.06
10 14 19 00-0168 EA 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	322.90 -20.75 41.53 83.06	11.50
10 14 19 00-0169 EA 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	439.27 -27.14 58.13 116.25	12.94
10 14 19 00-0170 EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	603.48 -36.16 81.55 163.10	14.95
10 14 19 00-0171 EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	753.36 -44.57 102.65 205.30	17.26
10 14 19 00-0172 EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	878.65 -52.22 119.37 238.75	20.71
10 14 19 00-0173 EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,172.03 -67.81 162.00 324.00	23.00
10 14 19 00-0174 EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,281.79 -74.44 176.74 353.48	25.88
10 14 19 00-0175 EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,628.23 -92.34 227.84 455.68	27.32
10 14 19 00-0176 EA 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	2,069.14 -114.96 293.12 586.23	28.76
10 14 19 00-0177 EA 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	3,125.04 -170.06 448.05 896.09	34.52
10 14 19 00-0178 Satin Finish, Bronze Characters (10 14 19 00-0049)		
10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0180 EA 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Or Patina Finish, Add	74.78 -6.62 6.90 13.81	7.20
10 14 19 00-0181 EA 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Or Patina Finish, Add	97.46 -8.21 9.62 19.23	8.34
10 14 19 00-0182 EA 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Or Patina Finish, Add	135.59 -10.81 14.30 28.60	10.06
10 14 19 00-0183 EA 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Or Patina Finish, Add	179.15 -13.56 19.97 39.94	11.50

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	230.92	12.94
			For Installation With Adhesive, Deduct	-16.72	
			For Oxidized Finish, Add	26.87	
			For Polished Or Patina Finish, Add	53.75	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	293.22	14.95
			For Installation With Adhesive, Deduct	-20.64	
			For Oxidized Finish, Add	35.01	
			For Polished Or Patina Finish, Add	70.02	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	368.16	17.26
			For Installation With Adhesive, Deduct	-25.31	
			For Oxidized Finish, Add	44.87	
			For Polished Or Patina Finish, Add	89.74	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	457.57	20.71
			For Installation With Adhesive, Deduct	-31.16	
			For Oxidized Finish, Add	56.21	
			For Polished Or Patina Finish, Add	112.42	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	548.96	23.00
			For Installation With Adhesive, Deduct	-36.65	
			For Oxidized Finish, Add	68.54	
			For Polished Or Patina Finish, Add	137.08	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	652.50	25.88
			For Installation With Adhesive, Deduct	-42.98	
			For Oxidized Finish, Add	82.34	
			For Polished Or Patina Finish, Add	164.69	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	763.46	27.32
			For Installation With Adhesive, Deduct	-49.10	
			For Oxidized Finish, Add	98.12	
			For Polished Or Patina Finish, Add	196.25	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	885.89	28.76
			For Installation With Adhesive, Deduct	-55.80	
			For Oxidized Finish, Add	115.63	
			For Polished Or Patina Finish, Add	231.26	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,351.04	34.52
			For Installation With Adhesive, Deduct	-81.36	
			For Oxidized Finish, Add	181.95	
			For Polished Or Patina Finish, Add	363.89	
10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)					
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	89.51	7.20
			For Installation With Adhesive, Deduct	-7.35	
			For Oxidized Finish, Add	9.11	
			For Polished Or Patina Finish, Add	18.23	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	117.33	8.34
			For Installation With Adhesive, Deduct	-9.20	
			For Oxidized Finish, Add	12.60	
			For Polished Or Patina Finish, Add	25.19	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	171.81	10.06
			For Installation With Adhesive, Deduct	-12.62	
			For Oxidized Finish, Add	19.73	
			For Polished Or Patina Finish, Add	39.47	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	228.41	11.50
			For Installation With Adhesive, Deduct	-16.02	
			For Oxidized Finish, Add	27.36	
			For Polished Or Patina Finish, Add	54.72	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	311.54	12.94
			For Installation With Adhesive, Deduct	-20.75	
			For Oxidized Finish, Add	38.97	
			For Polished Or Patina Finish, Add	77.93	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	395.91	14.95
			For Installation With Adhesive, Deduct	-25.78	
			For Oxidized Finish, Add	50.41	
			For Polished Or Patina Finish, Add	100.82	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	496.79	17.26
			For Installation With Adhesive, Deduct	-31.74	
			For Oxidized Finish, Add	64.17	
			For Polished Or Patina Finish, Add	128.33	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	614.96	20.71
			For Installation With Adhesive, Deduct	-39.03	
			For Oxidized Finish, Add	79.82	
			For Polished Or Patina Finish, Add	159.64	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	745.44	23.00
			For Installation With Adhesive, Deduct	-46.48	
			For Oxidized Finish, Add	98.01	
			For Polished Or Patina Finish, Add	196.02	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	888.56	25.88
			For Installation With Adhesive, Deduct	-54.78	
			For Oxidized Finish, Add	117.75	
			For Polished Or Patina Finish, Add	235.51	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,044.74	27.32
			For Installation With Adhesive, Deduct	-63.17	
			For Oxidized Finish, Add	140.32	
			For Polished Or Patina Finish, Add	280.63	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,186.52	28.76
			For Installation With Adhesive, Deduct	-70.83	
			For Oxidized Finish, Add	160.72	
			For Polished Or Patina Finish, Add	321.44	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,630.03	34.52
			For Installation With Adhesive, Deduct	-95.31	
			For Oxidized Finish, Add	223.80	
			For Polished Or Patina Finish, Add	447.59	
10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)					
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	92.73	7.20
			For Installation With Adhesive, Deduct	-7.51	
			For Oxidized Finish, Add	9.60	
			For Polished Or Patina Finish, Add	19.19	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	140.41	8.34
			For Installation With Adhesive, Deduct	-10.36	
			For Oxidized Finish, Add	16.06	
			For Polished Or Patina Finish, Add	32.12	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	201.37	10.06
			For Installation With Adhesive, Deduct	-14.09	
			For Oxidized Finish, Add	24.17	
			For Polished Or Patina Finish, Add	48.33	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	279.00	11.50
			For Installation With Adhesive, Deduct	-18.55	
			For Oxidized Finish, Add	34.95	
			For Polished Or Patina Finish, Add	69.89	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	383.20	12.94
			For Installation With Adhesive, Deduct	-24.34	
			For Oxidized Finish, Add	49.71	
			For Polished Or Patina Finish, Add	99.43	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	524.28	14.95
			For Installation With Adhesive, Deduct	-32.20	
			For Oxidized Finish, Add	69.67	
			For Polished Or Patina Finish, Add	139.34	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	682.25	17.26
			For Installation With Adhesive, Deduct	-41.01	
			For Oxidized Finish, Add	91.98	
			For Polished Or Patina Finish, Add	183.97	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	854.80	20.71
			For Installation With Adhesive, Deduct	-51.02	
			For Oxidized Finish, Add	115.80	
			For Polished Or Patina Finish, Add	231.59	
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,051.58	23.00
			For Installation With Adhesive, Deduct	-61.78	
			For Oxidized Finish, Add	143.93	
			For Polished Or Patina Finish, Add	287.86	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,261.86	25.88
			For Installation With Adhesive, Deduct	-73.45	
			For Oxidized Finish, Add	173.75	
			For Polished Or Patina Finish, Add	347.50	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,496.11	27.32
			For Installation With Adhesive, Deduct	-85.74	
			For Oxidized Finish, Add	208.02	
			For Polished Or Patina Finish, Add	416.04	
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,741.54	28.76
			For Installation With Adhesive, Deduct	-98.58	
			For Oxidized Finish, Add	243.98	
			For Polished Or Patina Finish, Add	487.95	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,442.73	34.52
			For Installation With Adhesive, Deduct	-135.94	
			For Oxidized Finish, Add	345.70	
			For Polished Or Patina Finish, Add	691.40	
10 14 19 00-0221 Satin Finish, Copper Characters (10 14 19 00-0049)					
10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)					
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	67.04	7.20
			For Installation With Adhesive, Deduct	-6.23	
			For Polished Finish, Add	11.48	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	88.05	8.34
			For Installation With Adhesive, Deduct	-7.74	
			For Polished Finish, Add	16.41	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	125.03	10.06
			For Installation With Adhesive, Deduct	-10.28	
			For Polished Finish, Add	25.43	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	166.34	11.50
			For Installation With Adhesive, Deduct	-12.92	
			For Polished Finish, Add	36.10	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	211.75	12.94
			For Installation With Adhesive, Deduct	-15.76	
			For Polished Finish, Add	47.99	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	270.40	14.95
		For Installation With Adhesive, Deduct	-19.50	
		For Polished Finish, Add	63.17	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	339.75	17.26
		For Installation With Adhesive, Deduct	-23.89	
		For Polished Finish, Add	81.22	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	419.19	20.71
		For Installation With Adhesive, Deduct	-29.24	
		For Polished Finish, Add	100.91	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	503.60	23.00
		For Installation With Adhesive, Deduct	-34.38	
		For Polished Finish, Add	123.47	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	597.14	25.88
		For Installation With Adhesive, Deduct	-40.21	
		For Polished Finish, Add	148.08	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	698.63	27.32
		For Installation With Adhesive, Deduct	-45.86	
		For Polished Finish, Add	176.80	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	808.27	28.76
		For Installation With Adhesive, Deduct	-51.92	
		For Polished Finish, Add	207.97	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,164.20	34.52
		For Installation With Adhesive, Deduct	-72.02	
		For Polished Finish, Add	307.84	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	76.62	7.20
		For Installation With Adhesive, Deduct	-6.71	
		For Polished Finish, Add	14.36	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	104.46	8.34
		For Installation With Adhesive, Deduct	-8.56	
		For Polished Finish, Add	21.33	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	154.70	10.06
		For Installation With Adhesive, Deduct	-11.76	
		For Polished Finish, Add	34.33	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	214.47	11.50
		For Installation With Adhesive, Deduct	-15.33	
		For Polished Finish, Add	50.54	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	291.73	12.94
		For Installation With Adhesive, Deduct	-19.76	
		For Polished Finish, Add	71.99	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	365.15	14.95
		For Installation With Adhesive, Deduct	-24.24	
		For Polished Finish, Add	91.60	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	461.58	17.26
		For Installation With Adhesive, Deduct	-29.98	
		For Polished Finish, Add	117.77	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	570.55	20.71
		For Installation With Adhesive, Deduct	-36.81	
		For Polished Finish, Add	146.32	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	688.81	23.00
		For Installation With Adhesive, Deduct	-43.64	
		For Polished Finish, Add	179.03	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	819.26	25.88
		For Installation With Adhesive, Deduct	-51.32	
		For Polished Finish, Add	214.72	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	963.83	27.32
		For Installation With Adhesive, Deduct	-59.12	
		For Polished Finish, Add	256.36	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,085.56	28.76
		For Installation With Adhesive, Deduct	-65.78	
		For Polished Finish, Add	291.16	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,523.35	34.52
		For Installation With Adhesive, Deduct	-89.97	
		For Polished Finish, Add	415.59	
10 14 19 00-0250		Satin Finish, Stainless Steel Characters (10 14 19 00-0049)		
10 14 19 00-0251		1/4" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	63.34	7.20
		For Installation With Adhesive, Deduct	-6.04	
		For Polished Finish, Add	10.37	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	83.50	8.34
		For Installation With Adhesive, Deduct	-7.51	
		For Polished Finish, Add	15.04	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	107.69	10.06
		For Installation With Adhesive, Deduct	-9.41	
		For Polished Finish, Add	20.23	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	139.38	11.50
		For Installation With Adhesive, Deduct	-11.57	
		For Polished Finish, Add	28.01	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0256	EA	10"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	171.07 -13.73 35.79	12.94
10 14 19 00-0257	EA	12"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	210.25 -16.50 45.13	14.95
10 14 19 00-0258	EA	14"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	252.29 -19.52 54.98	17.26
10 14 19 00-0259	EA	16"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	302.41 -23.40 65.87	20.71
10 14 19 00-0260	EA	18"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	353.11 -26.86 78.32	23.00
10 14 19 00-0261	EA	20"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	413.02 -31.01 92.84	25.88
10 14 19 00-0262	EA	22"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	481.03 -34.98 111.52	27.32
10 14 19 00-0263	EA	24"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	550.74 -39.04 130.71	28.76
10 14 19 00-0264	EA	30"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	757.03 -51.66 185.69	34.52
10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)					
10 14 19 00-0266	EA	2"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	75.44 -6.65 14.00	7.20
10 14 19 00-0267	EA	4"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	101.05 -8.39 20.31	8.34
10 14 19 00-0268	EA	6"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	129.94 -10.52 26.90	10.06
10 14 19 00-0269	EA	8"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	166.46 -12.93 36.13	11.50
10 14 19 00-0270	EA	10"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	205.66 -15.46 46.17	12.94
10 14 19 00-0271	EA	12"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	253.87 -18.68 58.21	14.95
10 14 19 00-0272	EA	14"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	305.44 -22.17 70.93	17.26
10 14 19 00-0273	EA	16"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	366.08 -26.59 84.98	20.71
10 14 19 00-0274	EA	18"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	426.21 -30.51 100.25	23.00
10 14 19 00-0275	EA	20"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	499.68 -35.34 118.84	25.88
10 14 19 00-0276	EA	22"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	562.80 -39.07 136.05	27.32
10 14 19 00-0277	EA	24"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	646.59 -43.83 159.47	28.76
10 14 19 00-0278	EA	30"	High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	893.20 -58.47 226.54	34.52
10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)					
10 14 19 00-0280	EA	2"	High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	91.00 -7.43 18.67	7.20
10 14 19 00-0281	EA	4"	High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	123.61 -9.52 27.08	8.34
10 14 19 00-0282	EA	6"	High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	159.61 -12.01 35.81	10.06
10 14 19 00-0283	EA	8"	High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	210.34 -15.12 49.30	11.50

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	261.73	12.94
			For Installation With Adhesive, Deduct	-18.26	
			For Polished Finish, Add	62.99	
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	324.57	14.95
			For Installation With Adhesive, Deduct	-22.21	
			For Polished Finish, Add	79.42	
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	391.57	17.26
			For Installation With Adhesive, Deduct	-26.48	
			For Polished Finish, Add	96.77	
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	469.29	20.71
			For Installation With Adhesive, Deduct	-31.75	
			For Polished Finish, Add	115.94	
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	559.36	23.00
			For Installation With Adhesive, Deduct	-37.17	
			For Polished Finish, Add	140.20	
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	657.51	25.88
			For Installation With Adhesive, Deduct	-43.23	
			For Polished Finish, Add	166.19	
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	737.52	27.32
			For Installation With Adhesive, Deduct	-47.81	
			For Polished Finish, Add	188.47	
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	851.37	28.76
			For Installation With Adhesive, Deduct	-54.07	
			For Polished Finish, Add	220.90	
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,184.11	34.52
			For Installation With Adhesive, Deduct	-73.01	
			For Polished Finish, Add	313.82	

10 14 23 Panel Signage (10 14)**10 14 23 11 Panel Signage (10 14 23)****10 14 23 11-0001 Indoor/Outdoor Signs (10 14 23 11)**

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)**10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)**

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA		Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	49.07	13.08
			For >25 To 50, Deduct	-2.29	
			For >50 To 100, Deduct	-5.73	
			For >100, Deduct	-6.87	
			For Clear Glass Mount, Add	18.33	
			For Glow-In-Dark, Add	45.82	
			For Reflective Finish, Add	51.55	
10 14 23 11-0005	EA		>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	65.43	13.08
			For >25 To 50, Deduct	-3.93	
			For >50 To 100, Deduct	-9.82	
			For >100, Deduct	-11.78	
			For Clear Glass Mount, Add	31.42	
			For Glow-In-Dark, Add	78.54	
			For Reflective Finish, Add	88.36	
10 14 23 11-0006	EA		>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	91.61	13.08
			For >25 To 50, Deduct	-6.55	
			For >50 To 100, Deduct	-16.36	
			For >100, Deduct	-19.64	
			For Clear Glass Mount, Add	52.36	
			For Glow-In-Dark, Add	130.90	
			For Reflective Finish, Add	147.26	
10 14 23 11-0007	EA		>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	124.34	13.08
			For >25 To 50, Deduct	-9.82	
			For >50 To 100, Deduct	-24.55	
			For >100, Deduct	-29.45	
			For Clear Glass Mount, Add	78.54	
			For Glow-In-Dark, Add	196.36	
			For Reflective Finish, Add	220.91	
10 14 23 11-0008	EA		>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	183.24	13.08
			For >25 To 50, Deduct	-15.71	
			For >50 To 100, Deduct	-39.27	
			For >100, Deduct	-47.12	
			For Clear Glass Mount, Add	125.66	
			For Glow-In-Dark, Add	314.16	
			For Reflective Finish, Add	353.43	
10 14 23 11-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	287.96	13.08
			For >25 To 50, Deduct	-26.18	
			For >50 To 100, Deduct	-65.45	
			For >100, Deduct	-78.54	
			For Clear Glass Mount, Add	209.44	
			For Glow-In-Dark, Add	523.60	
			For Reflective Finish, Add	589.05	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	418.86	13.08
			For >25 To 50, Deduct	-39.27	
			For >50 To 100, Deduct	-98.18	
			For >100, Deduct	-117.81	
			For Clear Glass Mount, Add	314.16	
			For Glow-In-Dark, Add	785.40	
			For Reflective Finish, Add	883.58	
10 14 23 11-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.47	0.01
			For Clear Glass Mount, Add	0.35	
			For Glow-In-Dark, Add	0.88	
			For Reflective Finish, Add	0.99	
10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs					
(10 14 23 11-0002)					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.					
10 14 23 11-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	55.61	13.08
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-7.36	
			For >100, Deduct	-8.84	
			For Glow-In-Dark, Add	58.90	
			For Reflective Finish, Add	63.32	
10 14 23 11-0014	EA		>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	71.98	13.08
			For >25 To 50, Deduct	-4.58	
			For >50 To 100, Deduct	-11.46	
			For >100, Deduct	-13.75	
			For Glow-In-Dark, Add	91.64	
			For Reflective Finish, Add	98.51	
10 14 23 11-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	104.70	13.08
			For >25 To 50, Deduct	-7.85	
			For >50 To 100, Deduct	-19.64	
			For >100, Deduct	-23.56	
			For Glow-In-Dark, Add	157.08	
			For Reflective Finish, Add	168.86	
10 14 23 11-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	137.42	13.08
			For >25 To 50, Deduct	-11.13	
			For >50 To 100, Deduct	-27.82	
			For >100, Deduct	-33.38	
			For Glow-In-Dark, Add	222.52	
			For Reflective Finish, Add	239.21	
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	186.51	13.08
			For >25 To 50, Deduct	-16.04	
			For >50 To 100, Deduct	-40.09	
			For >100, Deduct	-48.11	
			For Glow-In-Dark, Add	320.70	
			For Reflective Finish, Add	344.75	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	235.60	13.08
			For >25 To 50, Deduct	-20.94	
			For >50 To 100, Deduct	-52.36	
			For >100, Deduct	-62.83	
			For Glow-In-Dark, Add	418.88	
			For Reflective Finish, Add	450.30	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	287.96	13.08
			For >25 To 50, Deduct	-26.18	
			For >50 To 100, Deduct	-65.45	
			For >100, Deduct	-78.54	
			For Glow-In-Dark, Add	523.60	
			For Reflective Finish, Add	562.87	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.32	0.01
			For Glow-In-Dark, Add	0.58	
			For Reflective Finish, Add	0.62	
10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille (10 14 23 11-0002)					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.					
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	104.70	13.08
			For >25 To 50, Deduct	-7.85	
			For >50 To 100, Deduct	-19.64	
			For >100, Deduct	-23.56	
			For Molded Plastic Frame, Add	15.00	
			For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
			For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	124.34	13.08
			For >25 To 50, Deduct	-9.82	
			For >50 To 100, Deduct	-24.55	
			For >100, Deduct	-29.45	
			For Molded Plastic Frame, Add	17.00	
			For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
			For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	157.06	13.08
			For >25 To 50, Deduct	-13.09	
			For >50 To 100, Deduct	-32.73	
			For >100, Deduct	-39.27	
			For Molded Plastic Frame, Add	19.00	
			For Brushed Metal Finish/Faux Metal Finish, Add	31.00	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	187.82	13.08
		For >25 To 50, Deduct	-16.17	
		For >50 To 100, Deduct	-40.42	
		For >100, Deduct	-48.50	
		For Molded Plastic Frame, Add	21.00	
		For Brushed Metal Finish/Faux Metal Finish, Add	35.00	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	2.10	0.13
		For Molded Plastic Frame, Add	0.20	
		For Brushed Metal Finish/Faux Metal Finish, Add	0.31	
10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)				
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.				
10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	57.10	13.08
		For >25 To 50, Deduct	-3.09	
		For >50 To 100, Deduct	-7.74	
		For >100, Deduct	-9.28	
		For Molded Plastic Frame, Add	15.00	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	66.87	13.08
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-10.18	
		For >100, Deduct	-12.21	
		For Molded Plastic Frame, Add	17.00	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	79.89	13.08
		For >25 To 50, Deduct	-5.37	
		For >50 To 100, Deduct	-13.43	
		For >100, Deduct	-16.12	
		For Molded Plastic Frame, Add	19.00	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	105.95	13.08
		For >25 To 50, Deduct	-7.98	
		For >50 To 100, Deduct	-19.95	
		For >100, Deduct	-23.94	
		For Molded Plastic Frame, Add	21.00	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.06	0.13
		For Molded Plastic Frame, Add	0.20	
10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)				
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.				
10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	32.67	13.08
		For >25 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-1.95	
		For Glow-In-Dark, Add	3.91	
		For Reflective Finish, Add	4.88	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	37.56	13.08
		For >25 To 50, Deduct	-1.14	
		For >50 To 100, Deduct	-2.85	
		For >100, Deduct	-3.42	
		For Glow-In-Dark, Add	6.84	
		For Reflective Finish, Add	8.55	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.33	13.08
		For >25 To 50, Deduct	-2.12	
		For >50 To 100, Deduct	-5.29	
		For >100, Deduct	-6.35	
		For Glow-In-Dark, Add	12.70	
		For Reflective Finish, Add	15.88	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	58.73	13.08
		For >25 To 50, Deduct	-3.26	
		For >50 To 100, Deduct	-8.14	
		For >100, Deduct	-9.77	
		For Glow-In-Dark, Add	19.54	
		For Reflective Finish, Add	24.43	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	92.92	13.08
		For >25 To 50, Deduct	-6.68	
		For >50 To 100, Deduct	-16.69	
		For >100, Deduct	-20.03	
		For Glow-In-Dark, Add	40.06	
		For Reflective Finish, Add	50.07	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	107.58	13.08
		For >25 To 50, Deduct	-8.14	
		For >50 To 100, Deduct	-20.36	
		For >100, Deduct	-24.43	
		For Glow-In-Dark, Add	48.85	
		For Reflective Finish, Add	61.07	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	127.11	13.08
		For >25 To 50, Deduct	-10.10	
		For >50 To 100, Deduct	-25.24	
		For >100, Deduct	-30.29	
		For Glow-In-Dark, Add	60.57	
		For Reflective Finish, Add	75.71	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.14	0.01
		For Glow-In-Dark, Add	0.07	
		For Reflective Finish, Add	0.08	



			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 14 23 11-0042		California Title 24, Surface Mount, Signs (10 14 23 11-0002)			
10 14 23 11-0043		California Title 24, Surface Mount, Geometric Restroom Signs (10 14 23 11-0042)			
		Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.			
10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	86.00	13.08	
		For >25 To 50, Deduct	-5.98		
		For >50 To 100, Deduct	-8.98		
		For >100, Deduct	-10.17		
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	86.00	13.08	
		For >25 To 50, Deduct	-5.98		
		For >50 To 100, Deduct	-8.98		
		For >100, Deduct	-10.17		
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	109.94	13.08	
		Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.			
		For >25 To 50, Deduct	-8.38		
		For >50 To 100, Deduct	-12.57		
		For >100, Deduct	-14.24		
10 14 23 11-0047		California Title 24, Surface Mount, Stairwell Signs (10 14 23 11-0042)			
		Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.			
10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	161.23	13.08	
		For >25 To 50, Deduct	-13.51		
		For >50 To 100, Deduct	-20.26		
		For >100, Deduct	-22.96		
10 14 23 11-0049		Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)			
10 14 23 11-0050		Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0049)			
10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	45.58	18.30	
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.24		
		For >100, Deduct	-2.69		
		For Glow-In-Dark, Add	5.38		
		For Reflective Finish, Add	6.72		
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	52.90	18.30	
		For >25 To 50, Deduct	-1.63		
		For >50 To 100, Deduct	-4.07		
		For >100, Deduct	-4.88		
		For Glow-In-Dark, Add	9.77		
		For Reflective Finish, Add	12.21		
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	62.67	18.30	
		For >25 To 50, Deduct	-2.61		
		For >50 To 100, Deduct	-6.51		
		For >100, Deduct	-7.82		
		For Glow-In-Dark, Add	15.63		
		For Reflective Finish, Add	19.54		
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	77.33	18.30	
		For >25 To 50, Deduct	-4.07		
		For >50 To 100, Deduct	-10.18		
		For >100, Deduct	-12.21		
		For Glow-In-Dark, Add	24.43		
		For Reflective Finish, Add	30.53		
10 14 23 11-0055		90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)			
10 14 23 11-0056		Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)			
10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	46.39	18.30	
		For >25 To 50, Deduct	-0.98		
		For >50 To 100, Deduct	-2.44		
		For >100, Deduct	-2.93		
		For Glow-In-Dark, Add	5.86		
		For Reflective Finish, Add	7.33		
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	54.53	18.30	
		For >25 To 50, Deduct	-1.79		
		For >50 To 100, Deduct	-4.48		
		For >100, Deduct	-5.37		
		For Glow-In-Dark, Add	10.75		
		For Reflective Finish, Add	13.43		
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	72.44	18.30	
		For >25 To 50, Deduct	-3.58		
		For >50 To 100, Deduct	-8.96		
		For >100, Deduct	-10.75		
		For Glow-In-Dark, Add	21.49		
		For Reflective Finish, Add	26.87		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	78.96	18.30
		For >25 To 50, Deduct	-4.23	
		For >50 To 100, Deduct	-10.59	
		For >100, Deduct	-12.70	
		For Glow-In-Dark, Add	25.40	
		For Reflective Finish, Add	31.76	
10 14 23 11-0061		Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0062		Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0061)		
10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	48.83	18.30
		For >25 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-3.05	
		For >100, Deduct	-3.66	
		For Glow-In-Dark, Add	7.33	
		For Reflective Finish, Add	9.16	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	61.04	18.30
		For >25 To 50, Deduct	-2.44	
		For >50 To 100, Deduct	-6.11	
		For >100, Deduct	-7.33	
		For Glow-In-Dark, Add	14.65	
		For Reflective Finish, Add	18.32	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	65.93	18.30
		For >25 To 50, Deduct	-2.93	
		For >50 To 100, Deduct	-7.33	
		For >100, Deduct	-8.79	
		For Glow-In-Dark, Add	17.59	
		For Reflective Finish, Add	21.98	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	72.44	18.30
		For >25 To 50, Deduct	-3.58	
		For >50 To 100, Deduct	-8.96	
		For >100, Deduct	-10.75	
		For Glow-In-Dark, Add	21.49	
		For Reflective Finish, Add	26.87	
10 14 23 11-0067		Adhesive Backed Vinyl Characters (10 14 23 11)		
		Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.49	1.04
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.60	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.62	1.20
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.63	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.74	1.36
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.66	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.98	1.56
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.84	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	5.16	1.84
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.88	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.31	2.10
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.28	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.84	2.36
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.42	
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.54	2.62
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.95	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.69	2.88
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	2.49	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	16.26	3.14
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	3.25	
10 14 23 11-0078		Standoffs For Wall Signage (10 14 23 11)		
		Note: Excludes signage		
10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	16.16	5.76
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	16.76	5.76
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	16.91	5.76
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	17.79	5.76
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	18.39	5.76
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	19.59	5.76
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	19.27	6.90
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	20.93	6.90
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	22.28	6.90
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	23.43	6.90
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	25.38	6.90
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	27.79	6.90
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	18.24	5.76
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	18.69	5.76
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.63	6.90
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.08	6.90
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	22.83	6.90
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.13	6.90



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0097 Removal And Reinstallation Of Building Signage (10 14 23 11)				
Note: Includes storage and cleaning.				
10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	201.42	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	231.53	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	260.30	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	78.46	
10 14 23 11-0102 Building Sign (10 14 23 11)				
Note: Includes 4" numbers painted on sign. Installed on building.				
10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	205.14	31.38
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts.....	47.78	8.05
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	35.93	7.48
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	37.13	6.33
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	43.30	6.91
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	47.59	7.48
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	56.91	8.05
10 14 29 Wall or Ground Mounted Signage (10 14)				
Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.				
10 14 29 00-0001 Illuminated Signage (10 14 29)				
10 14 29 00-0002 Removal Of Sign Cabinets (10 14 29 00-0001)				
10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF.....	333.63	
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF.....	400.36	
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF.....	533.77	
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF.....	800.73	
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF.....	1,067.54	
10 14 29 00-0008 Fabricate And Install New Sign Cabinets (10 14 29 00-0001)				
10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	315.37	
		For >5 To 11 Per Each Sign, Deduct	-15.77	
		For >11 To 20 Per Each Sign, Deduct	-23.65	
		For >20 Per Each Sign, Deduct	-31.54	
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	261.75	
		For >5 To 11 Per Each Sign, Deduct	-13.09	
		For >11 To 20 Per Each Sign, Deduct	-19.63	
		For >20 Per Each Sign, Deduct	-26.18	
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	213.67	
		For >5 To 11 Per Each Sign, Deduct	-10.68	
		For >11 To 20 Per Each Sign, Deduct	-16.03	
		For >20 Per Each Sign, Deduct	-21.37	
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	192.33	
		For >5 To 11 Per Each Sign, Deduct	-9.62	
		For >11 To 20 Per Each Sign, Deduct	-14.42	
		For >20 Per Each Sign, Deduct	-19.23	
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	176.27	
		For >5 To 11 Per Each Sign, Deduct	-8.81	
		For >11 To 20 Per Each Sign, Deduct	-13.22	
		For >20 Per Each Sign, Deduct	-17.63	
10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend (10 14 29 00-0001)				
10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	85.49	
		For >5 To 11 Per Each Sign, Deduct	-4.27	
		For >11 To 20 Per Each Sign, Deduct	-6.41	
		For >20 Per Each Sign, Deduct	-8.55	
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	69.42	
		For >5 To 11 Per Each Sign, Deduct	-3.47	
		For >11 To 20 Per Each Sign, Deduct	-5.21	
		For >20 Per Each Sign, Deduct	-6.94	
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	53.49	
		For >5 To 11 Per Each Sign, Deduct	-2.67	
		For >11 To 20 Per Each Sign, Deduct	-4.01	
		For >20 Per Each Sign, Deduct	-5.35	
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	42.82	
		For >5 To 11 Per Each Sign, Deduct	-2.14	
		For >11 To 20 Per Each Sign, Deduct	-3.21	
		For >20 Per Each Sign, Deduct	-4.28	
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	34.26	
		For >5 To 11 Per Each Sign, Deduct	-1.71	
		For >11 To 20 Per Each Sign, Deduct	-2.57	
		For >20 Per Each Sign, Deduct	-3.43	
10 14 29 00-0020 Posts (10 14 29)				
Note: Includes mounting bolts and installation for sign blades to posts.				
10 14 29 00-0021	LF	2" Square Galvanized Steel Post.....	22.59	
		For Powder Coating, Add	1.00	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 29 00-0022 LF 2-3/8" Diameter Galvanized Steel Post.....	21.85	
For Powder Coating, Add	0.94	
10 14 29 00-0023 LF 2" Diameter Recycled Plastic Lumber Post.....	10.81	
10 14 29 00-0024 EA Mounting On Ground With Base.....	63.61	
Note: Includes bolts and drilling for bolts.		
10 14 29 00-0025 EA Mid Post Mounted Rotating Sign With Graphics.....	296.39	
For >5 To 11, Deduct	-14.82	
For >11 To 20, Deduct	-22.23	
For >20, Deduct	-29.64	
10 14 31 Overhead and Ceiling Hung Signage (10 14)		
Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.		
10 14 31 00-0001 Illuminated Signage (10 14 31)		
10 14 31 00-0002 Removal Of Sign Cabinets (10 14 31 00-0001)		
10 14 31 00-0003 EA Removal Of Sign Cabinet, 1 To 4.9 SF.....	367.00	
10 14 31 00-0004 EA Removal Of Sign Cabinet, 5 To 9.9 SF.....	440.40	
10 14 31 00-0005 EA Removal Of Sign Cabinet, 10 To 19.9 SF.....	587.19	
10 14 31 00-0006 EA Removal Of Sign Cabinet, 20 To 29.9 SF.....	880.80	
10 14 31 00-0007 EA Removal Of Sign Cabinet, >30 SF.....	1,174.19	
10 14 31 00-0008 Fabricate And Install New Sign Cabinets (10 14 31 00-0001)		
10 14 31 00-0009 SF 1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	348.95	
For >5 To 11 Per Each Sign, Deduct	-17.45	
For >11 To 20 Per Each Sign, Deduct	-26.17	
For >20 Per Each Sign, Deduct	-34.90	
10 14 31 00-0010 SF 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	289.54	
For >5 To 11 Per Each Sign, Deduct	-14.48	
For >11 To 20 Per Each Sign, Deduct	-21.72	
For >20 Per Each Sign, Deduct	-28.95	
10 14 31 00-0011 SF 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	236.36	
For >5 To 11 Per Each Sign, Deduct	-11.82	
For >11 To 20 Per Each Sign, Deduct	-17.73	
For >20 Per Each Sign, Deduct	-23.64	
10 14 31 00-0012 SF 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	212.76	
For >5 To 11 Per Each Sign, Deduct	-10.64	
For >11 To 20 Per Each Sign, Deduct	-15.96	
For >20 Per Each Sign, Deduct	-21.28	
10 14 31 00-0013 SF =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	194.97	
For >5 To 11 Per Each Sign, Deduct	-9.75	
For >11 To 20 Per Each Sign, Deduct	-14.62	
For >20 Per Each Sign, Deduct	-19.50	
10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend (10 14 31 00-0001)		
10 14 31 00-0015 SF 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	34.84	
For >5 To 11 Per Each Sign, Deduct	-1.74	
For >11 To 20 Per Each Sign, Deduct	-2.61	
For >20 Per Each Sign, Deduct	-3.48	
10 14 31 00-0016 SF 5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	27.87	
For >5 To 11 Per Each Sign, Deduct	-1.39	
For >11 To 20 Per Each Sign, Deduct	-2.09	
For >20 Per Each Sign, Deduct	-2.79	
10 14 31 00-0017 SF 10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	23.22	
For >5 To 11 Per Each Sign, Deduct	-1.16	
For >11 To 20 Per Each Sign, Deduct	-1.74	
For >20 Per Each Sign, Deduct	-2.32	
10 14 31 00-0018 SF 20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	19.74	
For >5 To 11 Per Each Sign, Deduct	-0.99	
For >11 To 20 Per Each Sign, Deduct	-1.48	
For >20 Per Each Sign, Deduct	-1.97	
10 14 31 00-0019 SF =>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	17.42	
For >5 To 11 Per Each Sign, Deduct	-0.87	
For >11 To 20 Per Each Sign, Deduct	-1.31	
For >20 Per Each Sign, Deduct	-1.74	
10 14 43 Photoluminescent Signage (10 14)		
10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)		
10 14 43 00-0002 EA 4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	66.30	13.08
For >25 To 50, Deduct	-4.01	
For >50 To 100, Deduct	-10.04	
For >100, Deduct	-12.04	
10 14 43 00-0003 EA 4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	72.83	13.08
For >25 To 50, Deduct	-4.67	
For >50 To 100, Deduct	-11.67	
For >100, Deduct	-14.00	
10 14 43 00-0004 EA 8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	81.79	13.08
For >25 To 50, Deduct	-5.56	
For >50 To 100, Deduct	-13.91	
For >100, Deduct	-16.69	



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
10 14 53 Traffic Signage (10 14)					
10 14 53 11 Traffic Signage (10 14 53)					
10 14 53 11-0001 Traffic Signs (10 14 53 11)					
10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)					
Note: Excludes posts.					
10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	92.39		23.54	
	For Hi-Intensity Grade, Add	13.59			
	For Diamond Grade, Add	25.83			
10 14 53 11-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	108.95		24.90	
	For Hi-Intensity Grade, Add	17.78			
	For Diamond Grade, Add	33.77			
10 14 53 11-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	118.54		26.16	
	For Hi-Intensity Grade, Add	27.15			
	For Diamond Grade, Add	43.04			
10 14 53 11-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	139.74		27.51	
	For Hi-Intensity Grade, Add	10.18			
	For Diamond Grade, Add	55.13			
10 14 53 11-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	193.47		28.78	
	For Hi-Intensity Grade, Add	29.90			
	For Diamond Grade, Add	93.79			
10 14 53 11-0009 Steel Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0010	EA 18" x 18" Reflective Steel Stop Sign, Engineering Grade.....	143.17		23.54	
10 14 53 11-0011	EA 18" x 24" Reflective Steel Stop Sign, Engineering Grade.....	180.60		24.90	
10 14 53 11-0012	EA 24" x 24" Reflective Steel Stop Sign, Engineering Grade.....	191.71		26.16	
10 14 53 11-0013	EA 30" x 30" Reflective Steel Stop Sign, Engineering Grade.....	276.68		27.51	
10 14 53 11-0014	EA 36" x 36" Reflective Steel Stop Sign, Engineering Grade.....	353.24		28.78	
10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0016	EA 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade.....	146.74		23.54	
10 14 53 11-0017	EA 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	189.72		24.90	
10 14 53 11-0018	EA 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	209.67		26.16	
10 14 53 11-0019	EA 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade.....	277.50		27.51	
10 14 53 11-0020 Other Reflectorized Traffic Signs (10 14 53 11-0002)					
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.					
10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0020)					
10 14 53 11-0022	EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	53.07		20.92	
	For Hi-Intensity Grade, Add	3.37			
	For Diamond Grade, Add	6.40			
10 14 53 11-0023	EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	58.69		20.92	
	For Hi-Intensity Grade, Add	5.05			
	For Diamond Grade, Add	9.60			
10 14 53 11-0024	EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	58.69		20.92	
	For Hi-Intensity Grade, Add	5.05			
	For Diamond Grade, Add	9.60			
10 14 53 11-0025	EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	62.89		20.92	
	For Hi-Intensity Grade, Add	6.31			
	For Diamond Grade, Add	11.99			
10 14 53 11-0026	EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	67.10		20.92	
	For Hi-Intensity Grade, Add	7.58			
	For Diamond Grade, Add	14.39			
10 14 53 11-0027	EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	78.13		22.24	
	For Hi-Intensity Grade, Add	10.10			
	For Diamond Grade, Add	19.19			
10 14 53 11-0028	EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	111.80		22.24	
	For Hi-Intensity Grade, Add	20.20			
	For Diamond Grade, Add	38.38			
10 14 53 11-0029	EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	64.30		20.92	
	For Hi-Intensity Grade, Add	6.74			
	For Diamond Grade, Add	12.80			
10 14 53 11-0030	EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	78.13		22.24	
	For Hi-Intensity Grade, Add	10.10			
	For Diamond Grade, Add	19.19			
10 14 53 11-0031	EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	89.36		22.24	
	For Hi-Intensity Grade, Add	13.47			
	For Diamond Grade, Add	25.59			
10 14 53 11-0032	EA 12" x 30" Aluminum Engineer Grade Traffic Sign.....	100.58		22.24	
	For Hi-Intensity Grade, Add	16.84			
	For Diamond Grade, Add	31.99			
10 14 53 11-0033	EA 12" x 36" Aluminum Engineer Grade Traffic Sign.....	111.80		22.24	
	For Hi-Intensity Grade, Add	20.20			
	For Diamond Grade, Add	38.38			

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0034	EA	17" x 22" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add For > 25 To 50, Deduct For > 50 To 150, Deduct For > 150 To 250, Deduct For > 250, Deduct	102.76 17.49 33.23 -2.22 -4.79 -7.36 -11.04	22.24
10 14 53 11-0035	EA	18" x 18" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	94.97 15.15 28.79	22.24
10 14 53 11-0036	EA	18" x 24" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	111.80 20.20 38.38	22.24
10 14 53 11-0037	EA	18" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	131.26 25.25 47.98	23.54
10 14 53 11-0038	EA	18" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	148.10 30.31 57.58	23.54
10 14 53 11-0039	EA	18" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	192.23 40.41 76.77	28.78
10 14 53 11-0040	EA	18" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	209.06 45.46 86.37	28.78
10 14 53 11-0041	EA	24" x 24" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	136.87 26.94 51.18	23.54
10 14 53 11-0042	EA	24" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	159.32 33.67 63.98	23.54
10 14 53 11-0043	EA	24" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	181.77 40.41 76.77	23.54
10 14 53 11-0044	EA	24" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	214.67 47.14 89.56	28.78
10 14 53 11-0045	EA	24" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	237.12 53.87 102.36	28.78
10 14 53 11-0046	EA	24" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	259.57 60.61 115.16	28.78
10 14 53 11-0047	EA	24" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	282.02 67.34 127.95	28.78
10 14 53 11-0048	EA	30" x 30" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	187.38 42.09 79.97	23.54
10 14 53 11-0049	EA	30" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	225.90 50.51 95.97	28.78
10 14 53 11-0050	EA	30" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	253.96 58.93 111.96	28.78
10 14 53 11-0051	EA	30" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	292.48 67.34 127.95	34.00
10 14 53 11-0052	EA	30" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	359.07 84.18 159.94	39.24
10 14 53 11-0053	EA	36" x 36" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	259.57 60.61 115.16	28.78
10 14 53 11-0054	EA	36" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	303.70 70.71 134.35	34.00
10 14 53 11-0055	EA	36" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	347.84 80.81 153.54	39.24
10 14 53 11-0056	EA	36" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	381.52 90.92 172.74	39.24
10 14 53 11-0057	EA	36" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	425.65 101.02 191.93	44.46
10 14 53 11-0058	EA	36" x 73" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	509.06 122.90 233.51	49.70
10 14 53 11-0059	EA	36" x 78" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	537.12 131.32 249.51	49.70
10 14 53 11-0060	EA	36" x 108" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	721.18 181.83 345.47	57.54



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0061 EA 42" x 42" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	353.46 82.50 156.74	39.24
10 14 53 11-0062 EA 48" x 48" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	448.10 107.75 204.73	44.46
10 14 53 11-0063 EA 48" x 54" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	503.45 121.22 230.31	49.70
10 14 53 11-0064 EA 48" x 60" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	548.35 134.69 255.91	49.70
10 14 53 11-0065 EA 48" x 66" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	608.94 148.16 281.49	57.54
10 14 53 11-0066 EA 48" x 72" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	653.84 161.63 307.09	57.54
10 14 53 11-0067 EA 48" x 84" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	754.09 188.56 358.27	62.78
10 14 53 11-0068 EA 48" x 96" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	843.88 215.50 409.45	62.78
10 14 53 11-0069 EA 48" x 102" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	888.78 228.97 435.04	62.78
10 14 53 11-0070 EA 48" x 108" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	938.90 242.44 460.63	65.39
10 14 53 11-0071 EA 60" x 72" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	798.99 202.03 383.86	62.78
10 14 53 11-0072 EA 72" x 144" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	1,783.64 484.87 921.26	83.70
10 14 53 11-0073 EA 78" x 96" Aluminum Engineer Grade Traffic Sign For Hi-Intensity Grade, Add For Diamond Grade, Add	1,298.07 350.19 665.36	65.39
10 14 53 11-0074 Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)		
10 14 53 11-0075 EA 6" x 12" Reflective Polyethylene Traffic Sign	101.53	19.67
10 14 53 11-0076 EA 12" x 12" Reflective Polyethylene Traffic Sign	116.18	20.92
10 14 53 11-0077 EA 12" x 18" Reflective Polyethylene Traffic Sign	124.47	22.29
10 14 53 11-0078 EA 18" x 18" Reflective Polyethylene Traffic Sign	152.02	23.54
10 14 53 11-0079 EA 18" x 24" Reflective Polyethylene Traffic Sign	189.72	24.90
10 14 53 11-0080 EA 24" x 24" Reflective Polyethylene Traffic Sign	214.27	24.90
10 14 53 11-0081 Non-Reflectorized Traffic Signs (10 14 53 11-0001)		
Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0082 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0081)		
10 14 53 11-0083 EA 6" x 12" Steel Non-Reflectorized Traffic Sign.....	50.89	20.92
10 14 53 11-0084 EA 6" x 18" Steel Non-Reflectorized Traffic Sign.....	55.41	20.92
10 14 53 11-0085 EA 9" x 12" Steel Non-Reflectorized Traffic Sign.....	55.41	20.92
10 14 53 11-0086 EA 9" x 15" Steel Non-Reflectorized Traffic Sign.....	58.80	20.92
10 14 53 11-0087 EA 9" x 18" Steel Non-Reflectorized Traffic Sign.....	62.19	20.92
10 14 53 11-0088 EA 9" x 24" Steel Non-Reflectorized Traffic Sign.....	71.58	22.24
10 14 53 11-0089 EA 9" x 48" Steel Non-Reflectorized Traffic Sign.....	98.69	22.24
10 14 53 11-0090 EA 12" x 12" Steel Non-Reflectorized Traffic Sign.....	59.93	20.92
10 14 53 11-0091 EA 12" x 18" Steel Non-Reflectorized Traffic Sign.....	71.58	22.24
10 14 53 11-0092 EA 12" x 24" Steel Non-Reflectorized Traffic Sign.....	80.62	22.24
10 14 53 11-0093 EA 12" x 30" Steel Non-Reflectorized Traffic Sign.....	89.65	22.24
10 14 53 11-0094 EA 12" x 36" Steel Non-Reflectorized Traffic Sign.....	98.69	22.24
10 14 53 11-0095 EA 18" x 18" Steel Non-Reflectorized Traffic Sign.....	85.13	22.24
10 14 53 11-0096 EA 18" x 24" Steel Non-Reflectorized Traffic Sign.....	98.69	22.24
10 14 53 11-0097 EA 18" x 30" Steel Non-Reflectorized Traffic Sign.....	114.87	23.54
10 14 53 11-0098 EA 18" x 36" Steel Non-Reflectorized Traffic Sign.....	128.43	23.54
10 14 53 11-0099 EA 18" x 48" Steel Non-Reflectorized Traffic Sign.....	166.01	28.78
10 14 53 11-0100 EA 18" x 54" Steel Non-Reflectorized Traffic Sign.....	179.56	28.78
10 14 53 11-0101 EA 24" x 24" Steel Non-Reflectorized Traffic Sign.....	119.39	23.54
10 14 53 11-0102 EA 24" x 30" Steel Non-Reflectorized Traffic Sign.....	137.47	23.54
10 14 53 11-0103 EA 24" x 36" Steel Non-Reflectorized Traffic Sign.....	155.55	23.54
10 14 53 11-0104 EA 24" x 42" Steel Non-Reflectorized Traffic Sign.....	184.08	28.78
10 14 53 11-0105 EA 24" x 48" Steel Non-Reflectorized Traffic Sign.....	202.16	28.78
10 14 53 11-0106 EA 24" x 54" Steel Non-Reflectorized Traffic Sign.....	220.24	28.78
10 14 53 11-0107 EA 24" x 60" Steel Non-Reflectorized Traffic Sign.....	238.32	28.78
10 14 53 11-0108 EA 30" x 30" Steel Non-Reflectorized Traffic Sign.....	160.07	23.54
10 14 53 11-0109 EA 30" x 36" Steel Non-Reflectorized Traffic Sign.....	193.12	28.78
10 14 53 11-0110 EA 30" x 42" Steel Non-Reflectorized Traffic Sign.....	215.72	28.78

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0111 EA 30" x 48" Steel Non-Reflectorized Traffic Sign.....	248.78	34.00
10 14 53 11-0112 EA 30" x 60" Steel Non-Reflectorized Traffic Sign.....	304.44	39.24
10 14 53 11-0113 EA 36" x 36" Steel Non-Reflectorized Traffic Sign.....	220.24	28.78
10 14 53 11-0114 EA 36" x 42" Steel Non-Reflectorized Traffic Sign.....	257.82	34.00
10 14 53 11-0115 EA 36" x 48" Steel Non-Reflectorized Traffic Sign.....	295.40	39.24
10 14 53 11-0116 EA 36" x 54" Steel Non-Reflectorized Traffic Sign.....	322.52	39.24
10 14 53 11-0117 EA 36" x 60" Steel Non-Reflectorized Traffic Sign.....	360.09	44.46
10 14 53 11-0118 EA 36" x 73" Steel Non-Reflectorized Traffic Sign.....	429.31	49.70
10 14 53 11-0119 EA 36" x 78" Steel Non-Reflectorized Traffic Sign.....	451.90	49.70
10 14 53 11-0120 EA 36" x 108" Steel Non-Reflectorized Traffic Sign.....	603.19	57.54
10 14 53 11-0121 EA 42" x 42" Steel Non-Reflectorized Traffic Sign.....	299.92	39.24
10 14 53 11-0122 EA 48" x 48" Steel Non-Reflectorized Traffic Sign.....	378.17	44.46
10 14 53 11-0123 EA 48" x 54" Steel Non-Reflectorized Traffic Sign.....	424.79	49.70
10 14 53 11-0124 EA 48" x 60" Steel Non-Reflectorized Traffic Sign.....	460.94	49.70
10 14 53 11-0125 EA 48" x 66" Steel Non-Reflectorized Traffic Sign.....	512.80	57.54
10 14 53 11-0126 EA 48" x 72" Steel Non-Reflectorized Traffic Sign.....	548.95	57.54
10 14 53 11-0127 EA 48" x 84" Steel Non-Reflectorized Traffic Sign.....	631.72	62.78
10 14 53 11-0128 EA 48" x 96" Steel Non-Reflectorized Traffic Sign.....	704.03	62.78
10 14 53 11-0129 EA 48" x 102" Steel Non-Reflectorized Traffic Sign.....	740.19	62.78
10 14 53 11-0130 EA 48" x 108" Steel Non-Reflectorized Traffic Sign.....	781.58	65.39
10 14 53 11-0131 EA 60" x 72" Steel Non-Reflectorized Traffic Sign.....	667.88	62.78
10 14 53 11-0132 EA 72" x 144" Steel Non-Reflectorized Traffic Sign.....	1,468.99	83.70
10 14 53 11-0133 EA 78" x 96" Steel Non-Reflectorized Traffic Sign.....	1,070.82	65.39

10 14 53 11-0134 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0081)

10 14 53 11-0135 EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign.....	51.26	20.92
10 14 53 11-0136 EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign.....	55.96	20.92
10 14 53 11-0137 EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign.....	55.96	20.92
10 14 53 11-0138 EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign.....	59.49	20.92
10 14 53 11-0139 EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign.....	63.02	20.92
10 14 53 11-0140 EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign.....	72.68	22.24
10 14 53 11-0141 EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign.....	100.90	22.24
10 14 53 11-0142 EA 12" x 12" Aluminum Non-Reflectorized Traffic Sign.....	60.66	20.92
10 14 53 11-0143 EA 12" x 18" Aluminum Non-Reflectorized Traffic Sign.....	72.68	22.24
10 14 53 11-0144 EA 12" x 24" Aluminum Non-Reflectorized Traffic Sign.....	82.09	22.24
10 14 53 11-0145 EA 12" x 30" Aluminum Non-Reflectorized Traffic Sign.....	91.50	22.24
10 14 53 11-0146 EA 12" x 36" Aluminum Non-Reflectorized Traffic Sign.....	100.90	22.24
10 14 53 11-0147 EA 18" x 18" Aluminum Non-Reflectorized Traffic Sign.....	86.79	22.24
10 14 53 11-0148 EA 18" x 24" Aluminum Non-Reflectorized Traffic Sign.....	100.90	22.24
10 14 53 11-0149 EA 18" x 30" Aluminum Non-Reflectorized Traffic Sign.....	117.63	23.54
10 14 53 11-0150 EA 18" x 36" Aluminum Non-Reflectorized Traffic Sign.....	131.74	23.54
10 14 53 11-0151 EA 18" x 48" Aluminum Non-Reflectorized Traffic Sign.....	170.43	28.78
10 14 53 11-0152 EA 18" x 54" Aluminum Non-Reflectorized Traffic Sign.....	184.54	28.78
10 14 53 11-0153 EA 24" x 24" Aluminum Non-Reflectorized Traffic Sign.....	122.34	23.54
10 14 53 11-0154 EA 24" x 30" Aluminum Non-Reflectorized Traffic Sign.....	141.15	23.54
10 14 53 11-0155 EA 24" x 36" Aluminum Non-Reflectorized Traffic Sign.....	159.97	23.54
10 14 53 11-0156 EA 24" x 42" Aluminum Non-Reflectorized Traffic Sign.....	189.24	28.78
10 14 53 11-0157 EA 24" x 48" Aluminum Non-Reflectorized Traffic Sign.....	208.05	28.78
10 14 53 11-0158 EA 24" x 54" Aluminum Non-Reflectorized Traffic Sign.....	226.87	28.78
10 14 53 11-0159 EA 24" x 60" Aluminum Non-Reflectorized Traffic Sign.....	245.68	28.78
10 14 53 11-0160 EA 30" x 30" Aluminum Non-Reflectorized Traffic Sign.....	164.67	23.54
10 14 53 11-0161 EA 30" x 36" Aluminum Non-Reflectorized Traffic Sign.....	198.65	28.78
10 14 53 11-0162 EA 30" x 42" Aluminum Non-Reflectorized Traffic Sign.....	222.17	28.78
10 14 53 11-0163 EA 30" x 48" Aluminum Non-Reflectorized Traffic Sign.....	256.14	34.00
10 14 53 11-0164 EA 30" x 60" Aluminum Non-Reflectorized Traffic Sign.....	313.65	39.24
10 14 53 11-0165 EA 36" x 36" Aluminum Non-Reflectorized Traffic Sign.....	226.87	28.78
10 14 53 11-0166 EA 36" x 42" Aluminum Non-Reflectorized Traffic Sign.....	265.55	34.00
10 14 53 11-0167 EA 36" x 48" Aluminum Non-Reflectorized Traffic Sign.....	304.24	39.24
10 14 53 11-0168 EA 36" x 54" Aluminum Non-Reflectorized Traffic Sign.....	332.46	39.24
10 14 53 11-0169 EA 36" x 60" Aluminum Non-Reflectorized Traffic Sign.....	371.15	44.46
10 14 53 11-0170 EA 36" x 73" Aluminum Non-Reflectorized Traffic Sign.....	442.75	49.70
10 14 53 11-0171 EA 36" x 78" Aluminum Non-Reflectorized Traffic Sign.....	466.27	49.70
10 14 53 11-0172 EA 36" x 108" Aluminum Non-Reflectorized Traffic Sign.....	623.08	57.54
10 14 53 11-0173 EA 42" x 42" Aluminum Non-Reflectorized Traffic Sign.....	308.95	39.24
10 14 53 11-0174 EA 48" x 48" Aluminum Non-Reflectorized Traffic Sign.....	389.96	44.46
10 14 53 11-0175 EA 48" x 54" Aluminum Non-Reflectorized Traffic Sign.....	438.05	49.70
10 14 53 11-0176 EA 48" x 60" Aluminum Non-Reflectorized Traffic Sign.....	475.68	49.70
10 14 53 11-0177 EA 48" x 66" Aluminum Non-Reflectorized Traffic Sign.....	529.01	57.54
10 14 53 11-0178 EA 48" x 72" Aluminum Non-Reflectorized Traffic Sign.....	566.63	57.54
10 14 53 11-0179 EA 48" x 84" Aluminum Non-Reflectorized Traffic Sign.....	652.35	62.78
10 14 53 11-0180 EA 48" x 96" Aluminum Non-Reflectorized Traffic Sign.....	727.61	62.78
10 14 53 11-0181 EA 48" x 102" Aluminum Non-Reflectorized Traffic Sign.....	765.24	62.78
10 14 53 11-0182 EA 48" x 108" Aluminum Non-Reflectorized Traffic Sign.....	808.10	65.39
10 14 53 11-0183 EA 60" x 72" Aluminum Non-Reflectorized Traffic Sign.....	689.98	62.78
10 14 53 11-0184 EA 72" x 144" Aluminum Non-Reflectorized Traffic Sign.....	1,522.03	83.70
10 14 53 11-0185 EA 78" x 96" Aluminum Non-Reflectorized Traffic Sign.....	1,109.13	65.39

10 14 53 11-0186 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0081)

10 14 53 11-0187 EA 6" x 12" Non-Reflective Polyethylene Traffic Sign.....	83.96	19.67



			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0188	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	92.10	20.92
10 14 53 11-0189	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	99.36	22.29
10 14 53 11-0190	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	134.06	23.54
10 14 53 11-0191	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	143.89	24.90
10 14 53 11-0192	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	168.48	26.16
10 14 53 11-0193 Signs For Overhead Sign Structures (10 14 53 11-0001)				
Note: Including horizontal Z-bars.				
10 14 53 11-0194	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
For Over 10' High, Add			13.00	
10 14 53 11-0195	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.				
10 14 53 11-0196 Flashing Beacon (10 14 53 11-0001)				
10 14 53 11-0197	EA	8" Diameter LED Flashing Beacon	1,442.12	220.36
Note: Excludes sign and post				
10 14 53 11-0198 Rectangular Rapid Flashing Beacons (RRFB) (10 14 53 11-0001)				
10 14 53 11-0199	EA	2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB)	1,754.22	220.36
Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post				
10 14 53 11-0200	EA	3.5"(h) x 20"(w) x 3"(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back.....	3,701.49	220.36
Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post				
10 14 53 11-0201 Aluminum Street Signs (10 14 53 11-0001)				
Note: Excludes posts.				
10 14 53 11-0202 Aluminum Engineer Grade Street Signs (10 14 53 11-0201)				
10 14 53 11-0203	EA	6" High, Aluminum Engineer Grade Street Sign	113.74	10.46
For Hi-Intensity Grade, Add			27.85	
For Diamond Grade, Add			52.91	
10 14 53 11-0204	EA	8" High, Aluminum Engineer Grade Street Sign	130.13	10.46
For Hi-Intensity Grade, Add			32.76	
For Diamond Grade, Add			62.25	
10 14 53 11-0205	EA	9" High, Aluminum Engineer Grade Street Sign	142.32	10.46
For Hi-Intensity Grade, Add			36.42	
For Diamond Grade, Add			69.20	
10 14 53 11-0206 Street Sign Accessories (10 14 53 11-0201)				
10 14 53 11-0207	EA	Single Bracket And Post Cap For Street Sign	32.79	5.24
10 14 53 11-0208	EA	Double Bracket And Post Cap For Street Sign	32.79	5.24
10 14 53 11-0209 Sign Posts (10 14 53 11-0001)				
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill, 32 31 13 13-0019 for concrete fill.				
10 14 53 11-0210 U-Channel Sign Posts (10 14 53 11-0209)				
Note: Excludes digging and concrete.				
10 14 53 11-0211 Baked Enamel U-Channel Sign Posts (10 14 53 11-0210)				
10 14 53 11-0212	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	81.40	21.33
10 14 53 11-0213	EA	6' Baked Enamel U-Channel Sign Post	107.81	26.67
10 14 53 11-0214	EA	7' Baked Enamel U-Channel Sign Post	128.61	31.99
10 14 53 11-0215	EA	8' Baked Enamel U-Channel Sign Post	150.68	37.33
10 14 53 11-0216	EA	10' Baked Enamel U-Channel Sign Post	181.61	45.32
10 14 53 11-0217	EA	12' Baked Enamel U-Channel Sign Post	187.82	45.32
10 14 53 11-0218 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0210)				
10 14 53 11-0219	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base.....	89.38	21.33
10 14 53 11-0220	EA	6' Galvanized Steel U-Channel Sign Post.....	120.48	26.67
10 14 53 11-0221	EA	7' Galvanized Steel U-Channel Sign Post.....	157.27	31.99
10 14 53 11-0222	EA	8' Galvanized Steel U-Channel Sign Post.....	182.37	37.33
10 14 53 11-0223	EA	10' Galvanized Steel U-Channel Sign Post.....	204.67	45.32
10 14 53 11-0224	EA	12' Galvanized Steel U-Channel Sign Post.....	207.88	45.32
10 14 53 11-0225 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0210)				
10 14 53 11-0226	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	79.52	21.33
10 14 53 11-0227	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	103.71	26.67
10 14 53 11-0228	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	123.66	31.99
10 14 53 11-0229	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	144.79	37.33
10 14 53 11-0230	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	170.92	45.32
10 14 53 11-0231	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	181.48	45.32

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0232			Tubular Sign Posts (10 14 53 11-0209) Note: Excludes digging and concrete.		
10 14 53 11-0233			2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0232)		
10 14 53 11-0234	EA		6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	121.79	26.67
10 14 53 11-0235	EA		7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	144.26	31.99
10 14 53 11-0236	EA		8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	170.75	37.33
10 14 53 11-0237	EA		10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	222.01	45.32
10 14 53 11-0238	EA		12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	243.77	45.32
10 14 53 11-0239			Square Sign Posts (10 14 53 11-0209) Note: Excludes digging and concrete.		
10 14 53 11-0240			Galvanized Steel Square Sign Posts (10 14 53 11-0239)		
10 14 53 11-0241	EA		3' To 4' Galvanized Steel Square Sign Post Base	91.16	21.33
10 14 53 11-0242	EA		6' Galvanized Steel Square Sign Post	150.50	26.67
10 14 53 11-0243	EA		7' Galvanized Steel Square Sign Post	175.94	31.99
10 14 53 11-0244	EA		8' Galvanized Steel Square Sign Post	205.22	37.33
10 14 53 11-0245	EA		10' Galvanized Steel Square Sign Post	250.78	45.32
10 14 53 11-0246	EA		12' Galvanized Steel Square Sign Post	265.97	45.32
10 14 53 11-0247			Standard Driven Street Sign Posts, Square (10 14 53 11-0239)		
10 14 53 11-0248	EA		12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth.....	324.06	45.32
10 14 53 11-0249			Other Sign Posts And Bases (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0250			2.5 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0249)		
10 14 53 11-0251			Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0250)		
10 14 53 11-0252	EA		Base Post for 2.5 Lb./LF Breakaway Sign Post	105.60	26.16
10 14 53 11-0253	EA		Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	63.74	20.92
10 14 53 11-0254			Breakaway Sign Posts, 2.5 Lb./LF (10 14 53 11-0250)		
10 14 53 11-0255	LF		2.5 Lb./LF Breakaway Sign Post.....	13.18	2.62
10 14 53 11-0256			4 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0249)		
10 14 53 11-0257			Base Posts, 4 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0256)		
10 14 53 11-0258	EA		Base Post For 4 Lb./LF Breakaway Sign Post	110.35	31.38
10 14 53 11-0259	EA		Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	63.74	20.92
10 14 53 11-0260			Breakaway Sign Posts, 4 Lb./LF (10 14 53 11-0256)		
10 14 53 11-0261	LF		4 Lb./LF Breakaway Sign Post.....	16.13	2.62
10 14 53 11-0262			Driven Sign Posts (10 14 53 11-0249)		
10 14 53 11-0263			Driven Posts, 2.5 Lb./LF (10 14 53 11-0262)		
10 14 53 11-0264	LF		2.5 Lb./LF Driven Post.....	14.22	3.66
10 14 53 11-0265			Driven Posts, 4 Lb./LF (10 14 53 11-0262)		
10 14 53 11-0266	LF		4 Lb./LF Driven Post	17.69	4.18
10 14 53 11-0267			Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0249)		
10 14 53 11-0268			Omni-Directional Breakaway Systems For Signs (10 14 53 11-0267) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0269	EA		Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,518.64	
10 14 53 11-0270	EA		Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,618.09	
10 14 53 11-0271	EA		Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,109.34	
10 14 53 11-0272	EA		Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5)	971.63	
10 14 53 11-0273	EA		Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4)	1,101.68	
10 14 53 11-0274	EA		Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,048.13	
10 14 53 11-0275	EA		Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,136.11	
10 14 53 11-0276			Omni-Directional Breakaway Systems For Poles (10 14 53 11-0267) Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		



Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0277	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	515.09		
10 14 53 11-0278	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	540.02		
10 14 53 11-0279	EA	Omni-Directional Breakaway System For Poles With 1" Couplings.....	560.79		
10 14 53 11-0280	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	851.58		
10 14 53 11-0281	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	74.77		
10 14 53 11-0282	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	99.70		
10 14 53 11-0283		Sign Post Accessories (10 14 53 11-0001)			
10 14 53 11-0284		Sign Post Brackets (10 14 53 11-0283)			
10 14 53 11-0285	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set..... Note: Includes 2 single side signpost brackets	66.50		7.84
10 14 53 11-0286	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set..... Note: Includes 2 double side signpost brackets	87.21		13.08
10 14 53 11-0287	EA	4" To 12" Diameter, Buckle Bracket Set..... Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	79.75		10.46
10 14 53 11-0288		Sign Post Caps (10 14 53 11-0283)			
10 14 53 11-0289	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	29.41		5.24
10 14 53 11-0290		Sign Post Replacement Bolts (10 14 53 11-0283)			
10 14 53 11-0291	EA	Signage Fasteners Replacement..... Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	19.54		
10 14 53 11-0292		Removal Of Signs (10 14 53 11) Note: Includes structural supports and foundations.			
10 14 53 11-0293	EA	>4 To 10 SF Sign Area, Sign Removal.....	209.25		
10 14 53 11-0294	EA	>10 To 20 SF Sign Area, Sign Removal.....	502.20		
10 14 53 11-0295	EA	>20 To 40 SF Sign Area, Sign Removal.....	753.29		
10 14 53 11-0296	EA	>40 To 100 SF Sign Area, Sign Removal.....	1,200.64		
10 14 53 11-0297		Removal And Reinstallation Of Signs (10 14 53 11) Note: Includes structural supports and foundations			
10 14 53 11-0298	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	320.84		
10 14 53 11-0299	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	758.25		
10 14 53 11-0300	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	1,134.17		
10 14 53 11-0301	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,804.89		
10 14 53 11-0302	EA	Removal And Reinstallation Of Street Sign On Post.....	120.32		
10 14 53 11-0303	EA	Removal And Relocation Of Traffic Light..... Note: Excludes electrical hookup.	427.16		
10 14 56		Bridge Signage (10 14)			
10 14 56 00-0001		Bridge And Truss Mounted Signs (10 14 56)			
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)			
10 14 56 00-0003	CF	Removal Of Foundation..... Note: Including Excavation	19.12		
10 14 56 00-0004	LF	Removal Of Truss And Supports.....	239.51		
10 14 56 00-0005	SF	Removal Of Sign Face.....	10.95		
10 14 56 00-0006	SF	Removal Of Legend.....	18.25		
10 14 56 00-0007	EA	Removal Of Changeable Message Panel.....	210.55		
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post.....	109.49		
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs (10 14 56 00-0001)			
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish.....	635.54		
10 14 56 00-0011	LF	Telescoping Steel Ground Posts.....	86.69		
10 14 56 00-0012	LF	Overhead Steel Mounting Framework.....	1,481.99		
10 14 56 00-0013	LB	Ground Mounted Steel Structure.....	5.69		
10 14 56 00-0014		Fabricate And Install New 12" Extruded Aluminum Channel (10 14 56 00-0001) Note: Includes reflective face with reflective legend.			
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	141.09		
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	125.88		
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	112.62		
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	101.22		
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)			
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters (10 14 56 00-0019)			
10 14 56 00-0021	EA	6" Capital Height Letter.....	33.18		
10 14 56 00-0022	EA	8" Capital Height Letter.....	39.10		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 14 56 00-0023	EA	10" Capital Height Letter.....	44.98	
	10 14 56 00-0024	EA	12" Capital Height Letter.....	50.25	
	10 14 56 00-0025	EA	14" Capital Height Letter.....	53.26	
	10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0019)		
	10 14 56 00-0027	EA	6" Legend/Shields.....	34.19	
	10 14 56 00-0028	EA	8" Legend/Shields.....	40.45	
	10 14 56 00-0029	EA	10" Legend/Shields.....	46.66	
	10 14 56 00-0030	EA	12" Legend/Shields.....	52.27	
	10 14 56 00-0031	EA	14" Legend/Shields.....	55.63	
	10 14 56 00-0032		Fabricate And Install New Changeable Message Panel (10 14 56 00-0001)		
	10 14 56 00-0033	SF	One Color HI-Intensity Die Cut Vinyl Letters on Demountable Panel.....	39.68	
	10 14 63		Electronic Message Signage (10 14)		
	10 14 63 00-0001		Dynamic Signs (10 14 63)		
	10 14 63 00-0002		Programming/Software And Repair (10 14 63 00-0001)		
	10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	218.81	
	10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	136.76	
	10 14 63 00-0005	HR	Repair Flip Disks Or Light Source.....	136.76	
	10 14 63 00-0006		Fabricate And Install New Sign Cabinets (10 14 63 00-0001)		
	10 14 63 00-0007		Cabinet For Flip Disk Display (10 14 63 00-0006)		
	10 14 63 00-0008	SF	1 To 99 SF Cabinet.....	242.26	
	10 14 63 00-0009	SF	100 To 200 SF Cabinet.....	198.07	
	10 14 63 00-0010		Fabricate And Install New Sign Face Components (10 14 63 00-0001)		
	10 14 63 00-0011		Enhanced Flip Disk Display (10 14 63 00-0010)		
	10 14 63 00-0012	EA	Enhanced Flip Disk.....	169.16	
	10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	67.09	
	10 14 63 00-0014		Disappearing Copy Sign (10 14 63 00-0010)		
	10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign.....	47.24	
	10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	34.03	
	10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs (10 14 63 00-0001)		
	10 14 63 00-0018	EA	Passenger Transfer Signage	665.17	
	10 20		Interior Specialties (10)		
	10 21		Comppartments and Cubicles (10 20)		
	10 21 13		Toilet Compartments (10 21)		
	10 21 13 13		Metal Toilet Compartments (10 21 13)		
	10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13)		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
	10 21 13 13-0002		Enamel Coated Steel Toilet Partitions (10 21 13 13-0001)		
			Note: All colors.		
	10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
	10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,048.63	129.47
			For >10, Deduct	-78.97	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
	10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,268.60	140.99
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
	10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,354.98	146.74
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
	10 21 13 13-0007		Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
			Note: Includes head rail.		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0008	EA		36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,091.16	158.26
			For >10, Deduct	-77.47	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0009	EA		60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,267.99	169.76
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0010	EA		60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,340.48	175.51
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0011			Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA		36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,287.87	187.03
			For >10, Deduct	-91.38	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0013	EA		60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,502.01	198.54
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0014	EA		60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,577.72	204.28
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0015			Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA		36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,243.77	215.80
			For >10, Deduct	-81.22	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0017	EA		60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,493.76	227.31
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0018	EA		60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,577.96	233.07
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 13-0019			Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020			Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA		24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	554.96	80.54
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0022	EA		36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	615.24	86.28
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0023	EA		48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	677.38	92.04
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0024			Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA		18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	314.37	69.02
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0026	EA		24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	339.02	74.78
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0027	EA		30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	358.01	80.54
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0028			Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029	EA		18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	406.46	74.78
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0030			Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031	EA		18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	455.30	74.78
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0032	EA		24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	485.56	80.54
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0033	EA		30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	515.82	86.28
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0034			Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0035	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	513.69	80.54
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0036	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	551.46	86.28
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 13-0037	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	609.86	92.04
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 21 13 13-0038	Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001) Note: All colors.				
10 21 13 13-0039	Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)				
10 21 13 13-0040	EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	331.15 105.01		23.01	
10 21 13 13-0041	EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	338.65 105.01		23.01	
10 21 13 13-0042	EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	358.98 105.01		24.75	
10 21 13 13-0043	EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	392.74 105.01		24.75	
10 21 13 13-0044	EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	400.25 105.01		24.75	
10 21 13 13-0045	Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)				
10 21 13 13-0046	EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	237.86 65.26		34.53	
10 21 13 13-0047	EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	262.38 65.26		37.41	
10 21 13 13-0048	EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	286.90 65.26		40.28	
10 21 13 13-0049	EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	311.40 65.26		43.16	
10 21 13 13-0050	EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	335.92 65.26		46.04	
10 21 13 13-0051	EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	360.43 65.26		48.92	
10 21 13 13-0052	EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	383.06 65.26		51.80	
10 21 13 13-0053	EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	407.58 65.26		54.67	
10 21 13 13-0054	EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add	424.58 65.26		57.54	
10 21 13 13-0055	EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Panel Reinforced At ADA Grab Bar, Add For Heavy Gauge Full-Height SS Brackets, Add	434.38 42.00 65.26		58.70	
10 21 13 13-0056	EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Panel Reinforced At ADA Grab Bar, Add For Heavy Gauge Full-Height SS Brackets, Add	447.22 42.00 65.26		60.42	
10 21 13 13-0057	EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Panel Reinforced At ADA Grab Bar, Add For Heavy Gauge Full-Height SS Brackets, Add	488.62 42.00 65.26		63.30	
10 21 13 13-0058	EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel For Panel Reinforced At ADA Grab Bar, Add For Heavy Gauge Full-Height SS Brackets, Add	524.37 42.00 65.26		66.18	
10 21 13 13-0059	70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)				
10 21 13 13-0060	EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	180.83 65.26		17.27	
10 21 13 13-0061	EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	199.71 65.26		20.14	
10 21 13 13-0062	EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	220.48 65.26		23.01	
10 21 13 13-0063	EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	256.25 65.26		25.89	
10 21 13 13-0064	EA 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	290.13 65.26		28.77	
10 21 13 13-0065	EA 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	324.02 65.26		31.65	
10 21 13 13-0066	EA 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	417.93 65.26		34.53	
10 21 13 13-0067	EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	479.96 65.26		37.41	
10 21 13 13-0068	EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	515.73 65.26		40.28	
10 21 13 13-0069	82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)				
10 21 13 13-0070	EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	145.20 65.26		17.27	
10 21 13 13-0071	EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	158.45 65.26		20.14	
10 21 13 13-0072	EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	173.59 65.26		23.01	
10 21 13 13-0073	EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	196.23 65.26		25.89	
10 21 13 13-0074	EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	216.97 65.26		28.77	



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0075 EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add	239.62 65.26	31.65
10 21 13 13-0076 EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add	296.01 65.26	34.53
10 21 13 13-0077 EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add	333.66 65.26	37.41
10 21 13 13-0078 EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add	356.30 65.26	40.28
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0080 EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add	201.72 65.26	23.01
10 21 13 13-0081 EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	220.61 65.26	25.89
10 21 13 13-0082 EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	241.36 65.26	28.77
10 21 13 13-0083 EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	277.13 65.26	31.65
10 21 13 13-0084 EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	311.02 65.26	34.53
10 21 13 13-0085 EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	344.91 65.26	37.41
10 21 13 13-0086 EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	438.83 65.26	40.28
10 21 13 13-0087 EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	500.85 65.26	43.16
10 21 13 13-0088 EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add	536.62 65.26	46.04
10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)		
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)		
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		
10 21 13 14-0004 EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,425.16 -216.62 235.53 758.17	129.47
10 21 13 14-0005 EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,928.60 235.53 926.32	140.99
10 21 13 14-0006 EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	3,067.42 235.53 970.88	146.74
10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Includes head rail.		
10 21 13 14-0008 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,052.28 -173.58 235.53 607.52	158.26
10 21 13 14-0009 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,498.61 235.53 755.68	169.76
10 21 13 14-0010 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,722.95 235.53 830.17	175.51
10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0012 EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	2,843.40 -246.94 235.53 864.27	187.03
10 21 13 14-0013 EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For Diamond Pattern Finish, Add	3,049.70 235.53 928.42	198.54

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,192.59	204.28	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For Diamond Pattern Finish, Add	974.40		
10 21 13 14-0015		Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)			
		Note: Excludes above ceiling steel.			
10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,845.75	215.80	
		For >10, Deduct	-241.42		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For Diamond Pattern Finish, Add	844.96		
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,464.57	227.31	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For Diamond Pattern Finish, Add	1,053.48		
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,643.20	233.07	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For Diamond Pattern Finish, Add	1,111.98		
10 21 13 14-0019		Stainless Steel Urinal Screens (10 21 13 14-0001)			
10 21 13 14-0020		Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	799.68	80.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	223.52		
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	905.29	86.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	256.45		
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	924.50	92.04	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	259.15		
10 21 13 14-0024		Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	591.11	69.02	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	158.57		
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	639.63	74.78	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	171.52		
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	698.31	80.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	188.04		
10 21 13 14-0028		Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	960.37	74.78	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	283.78		
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	1,006.53	80.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	295.91		
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	1,052.48	86.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	307.97		
10 21 13 14-0032		Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	799.68	80.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	223.52		
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	905.29	86.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	256.45		
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,015.33	92.04	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Diamond Pattern Finish, Add	290.94		
10 21 13 14-0036		Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001)			
10 21 13 14-0037		Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)			
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	529.13	23.01	
		For Heavy Gauge Full-Height SS Hinge, Add	105.01		
		For Diamond Pattern Finish, Add	169.08		
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	605.43	23.01	
		For Heavy Gauge Full-Height SS Hinge, Add	105.01		
		For Diamond Pattern Finish, Add	195.79		
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	621.76	25.89	
		For Heavy Gauge Full-Height SS Hinge, Add	105.01		
		For Diamond Pattern Finish, Add	199.49		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door..... For Heavy Gauge Full-Height SS Hinge, Add For Diamond Pattern Finish, Add	643.79 105.01 207.20	25.89
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door..... For Heavy Gauge Full-Height SS Hinge, Add For Diamond Pattern Finish, Add	649.92 105.01 209.34	25.89
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)					
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	456.69 65.26 135.67	34.53
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	507.22 65.26 151.34	37.41
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	528.46 65.26 156.76	40.28
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	552.62 65.26 163.21	43.16
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	593.16 65.26 175.38	46.04
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	640.31 65.26 189.87	48.92
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	749.31 65.26 226.01	51.80
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	820.50 65.26 248.91	54.67
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	841.75 65.26 254.33	57.54
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	883.65 65.26 268.19	58.70
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	938.77 65.26 286.27	60.42
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	983.64 65.26 299.96	63.30
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	1,079.42 65.26 331.47	66.18
10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	316.93 65.26 98.84	17.27
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	345.06 65.26 106.67	20.14
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	374.93 65.26 115.11	23.01
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	427.18 65.26 131.38	25.89
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	479.42 65.26 147.66	28.77
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	531.67 65.26 163.93	31.65
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	675.17 65.26 212.14	34.53
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	773.92 65.26 244.69	37.41
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	826.17 65.26 260.96	40.28
10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	242.09 65.26 72.65	17.27

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	262.05 65.26 77.62	20.14
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	282.74 65.26 82.85	23.01
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	367.28 65.26 110.42	25.89
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	414.53 65.26 124.95	28.77
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	428.90 65.26 127.96	31.65
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	486.05 65.26 145.95	34.53
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	548.34 65.26 165.74	37.41
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	582.14 65.26 175.55	40.28
10 21 13 14-0077		96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	347.38 65.26 105.47	23.01
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	380.69 65.26 115.11	25.89
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	412.26 65.26 124.15	28.77
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	473.12 65.26 143.44	31.65
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	532.25 65.26 162.12	34.53
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	591.39 65.26 180.80	37.41
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	760.74 65.26 238.06	40.28
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	873.25 65.26 275.43	43.16
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	934.11 65.26 294.71	46.04
10 21 13 16		Plastic-Laminate-Clad Toilet Compartments (10 21 13)		
10 21 13 16-0001		Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.		
10 21 13 16-0002		Laminated Plastic Toilet Partitions (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0003		Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,407.36 -114.84 189.20 235.53	129.47
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,724.42 189.22 235.53	140.99
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,856.69 189.23 235.53	146.74
10 21 13 16-0007		Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Includes head rail.		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0008	EA		36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,520.98 -120.45 189.24 235.53	158.26
10 21 13 16-0009	EA		60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,852.04 189.26 235.53	169.76
10 21 13 16-0010	EA		60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,994.82 189.26 235.53	175.51
10 21 13 16-0011			Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA		36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,033.03 -160.15 189.32 235.53	215.80
10 21 13 16-0013	EA		60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,374.89 189.33 235.53	227.31
10 21 13 16-0014	EA		60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,507.14 189.34 235.53	233.07
10 21 13 16-0015			Laminated Plastic Urinal Screens (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0016			Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0017	EA		24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	589.37 65.26	80.54
10 21 13 16-0018	EA		36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	642.88 65.26	86.28
10 21 13 16-0019	EA		48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	662.63 65.26	92.04
10 21 13 16-0020			Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0021	EA		18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	456.84 65.26	69.02
10 21 13 16-0022	EA		24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	480.36 65.26	74.78
10 21 13 16-0023	EA		30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	502.78 65.26	80.54
10 21 13 16-0024			Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0025	EA		18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	608.78 65.26	74.78
10 21 13 16-0026	EA		24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	668.19 65.26	80.54
10 21 13 16-0027	EA		30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	732.62 65.26	86.28
10 21 13 16-0028			Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029	EA		24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	561.09 65.26	74.78
10 21 13 16-0030	EA		36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	615.80 65.26	80.54
10 21 13 16-0031	EA		48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	634.87 65.26	86.28
10 21 13 16-0032			Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0033			Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	470.60 105.01	23.01
10 21 13 16-0035	EA		26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	511.85 105.01	23.01
10 21 13 16-0036	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	528.86 105.01	25.89
10 21 13 16-0037	EA		34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	541.62 105.01	25.89
10 21 13 16-0038	EA		36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	553.62 105.01	25.89

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)					
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	236.26	34.53	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	261.46	37.41	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	286.67	40.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	312.85	43.16	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	337.06	46.04	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	363.36	48.92	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	371.40	51.80	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	380.88	54.67	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	400.91	57.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	417.79	58.70	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	436.64	60.42	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	498.66	63.30	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	568.91	66.18	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	194.30	17.27	
		For 1-1/4" Pilaster, Add	13.18		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	159.77		
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	224.05	20.14	
		For 1-1/4" Pilaster, Add	15.16		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	183.77		
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	229.81	23.01	
		For 1-1/4" Pilaster, Add	15.16		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	183.77		
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	253.58	25.89	
		For 1-1/4" Pilaster, Add	16.65		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	201.78		
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	264.57	28.77	
		For 1-1/4" Pilaster, Add	17.08		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	207.03		
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	287.58	31.65	
		For 1-1/4" Pilaster, Add	18.50		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	224.28		
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	366.84	34.53	
		For 1-1/4" Pilaster, Add	24.57		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	297.79		
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	444.61	37.41	
		For 1-1/4" Pilaster, Add	30.51		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	369.80		
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	499.13	40.28	
		For 1-1/4" Pilaster, Add	34.53		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	418.56		
10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	383.33	17.27	
		For 1-1/4" Pilaster, Add	28.78		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	348.80		
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	423.58	20.14	
		For 1-1/4" Pilaster, Add	31.62		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	383.30		
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	429.34	23.01	
		For 1-1/4" Pilaster, Add	31.62		
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For Steel Core Pilaster, Add	383.30		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	464.36 34.04 65.26 412.56	25.89
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	506.85 37.07 65.26 449.31	28.77
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	541.11 39.42 65.26 477.81	31.65
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	674.02 49.91 65.26 604.97	34.53
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	767.90 57.18 65.26 693.09	37.41
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster For 1-1/4" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For Steel Core Pilaster, Add	787.91 58.36 65.26 707.34	40.28

10 21 13 19 Plastic Toilet Compartments (10 21 13)

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19)
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001)
Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)
Note: Includes head rail.

10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	1,997.43 -168.09 235.53 1,042.18	158.26
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,463.15 235.53 1,316.65	169.76
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,731.61 235.53 1,475.96	175.51

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)
Note: Excludes above ceiling steel.

10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	1,991.30 -161.73 235.53 1,002.70	187.03
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,498.14 235.53 1,302.66	198.54
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,766.60 235.53 1,461.97	204.28

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)
Note: Excludes above ceiling steel.

10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,085.51 -165.39 235.53 1,025.43	215.80
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,479.19 235.53 1,255.23	227.31

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,747.64 235.53 1,414.54	233.07
10 21 13 19-0015		Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	460.07 65.26 199.65	69.02
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	484.27 65.26 207.51	74.78
10 21 13 19-0019		Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	587.27 65.26 271.38	74.78
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	744.65 65.26 361.83	80.54
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	828.00 65.26 406.37	86.28
10 21 13 19-0023		Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	598.77 65.26 271.38	80.54
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	756.16 65.26 361.83	86.28
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	899.09 65.26 443.31	92.04
10 21 13 19-0027		Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0027)		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	478.70 105.01 268.25	23.01
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	518.07 105.01 292.66	23.01
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	562.92 105.01 316.89	25.89
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	642.60 105.01 366.30	25.89
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	661.46 105.01 377.99	25.89
10 21 13 19-0034		Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0027)		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	164.95 65.26 59.46	34.53
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.61 65.26 118.92	37.41
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	368.25 65.26 178.36	40.28
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	430.56 65.26 213.43	43.16
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	522.39 65.26 266.79	46.04



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	558.24	48.92	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	285.45		
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	627.23	51.80	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	324.66		
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	707.79	54.67	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	371.04		
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	773.43	57.54	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	408.17		
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	790.24	58.70	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	417.17		
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	816.90	60.42	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	431.55		
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	924.20	63.30	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	494.51		
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	996.42	66.18	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	535.72		
10 21 13 19-0048		82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)			
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	219.26	17.27	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	114.53		
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	243.53	20.14	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	126.02		
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	264.57	23.01	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	135.49		
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	283.99	25.89	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	143.96		
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	318.90	28.77	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	162.04		
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	353.80	31.65	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	180.11		
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	487.51	34.53	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	259.45		
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	551.46	37.41	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	295.52		
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	600.54	40.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	322.38		
10 21 13 19-0058		96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)			
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	267.30	23.01	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	137.18		
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	294.12	25.89	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	150.24		
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	323.89	28.77	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	165.14		
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	367.19	31.65	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	188.41		
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	410.90	34.53	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	211.95		
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	454.21	37.41	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	235.23		
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	583.72	40.28	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	311.95		
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	653.52	43.16	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	351.66		
10 21 13 19-0067	EA	24" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	710.84	46.04	
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	383.63		

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
10 21 13 19-0068		Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.			
10 21 13 19-0069		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0070		Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Includes head rail.			
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,585.75		158.26
		For >10, Deduct	-226.93		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,406.94		
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,206.43		169.76
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,777.48		
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,564.83		175.51
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,992.56		
10 21 13 19-0074		Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.			
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,557.34		187.03
		For >10, Deduct	-218.33		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,353.64		
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,233.51		198.54
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,758.59		
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,591.90		204.28
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,973.66		
10 21 13 19-0078		Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.			
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,664.40		215.80
		For >10, Deduct	-223.28		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,384.34		
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,187.78		227.31
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,694.56		
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,546.16		233.07
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	1,909.62		
10 21 13 19-0082		Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0083		Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)			
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	572.77		69.02
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	269.53		
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	597.28		74.78
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	277.58		
10 21 13 19-0086		Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)			



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	937.40 65.26 488.46	74.78
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,067.39 65.26 561.92	80.54
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,137.84 65.26 598.47	86.28
10 21 13 19-0090		Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	751.94 65.26 366.35	80.54
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	960.41 65.26 488.46	86.28
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,149.35 65.26 598.47	92.04
10 21 13 19-0094		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0094)		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	630.12 105.01 362.13	23.01
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	683.30 105.01 395.10	23.01
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	741.80 105.01 427.80	25.89
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	849.39 105.01 494.51	25.89
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	874.83 105.01 510.28	25.89
10 21 13 19-0101		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0094)		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.50 65.26 80.26	34.53
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	333.74 65.26 160.54	37.41
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	468.95 65.26 240.80	40.28
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	551.04 65.26 288.13	43.16
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	672.98 65.26 360.16	46.04
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	719.38 65.26 385.36	48.92
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	810.51 65.26 438.30	51.80
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	917.26 65.26 500.91	54.67
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,003.86 65.26 551.04	57.54
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,025.74 65.26 563.18	58.70
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,060.51 65.26 582.59	60.42
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,203.37 65.26 667.59	63.30

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,298.84		66.18
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	723.22		
10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)					
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	283.91		17.27
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	154.62		
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	314.67		20.14
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	170.12		
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	341.06		23.01
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	182.91		
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	393.76		25.89
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	212.02		
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	442.47		28.77
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	238.66		
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	491.14		31.65
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	265.26		
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	633.97		34.53
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	350.25		
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	718.29		37.41
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	398.96		
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	782.53		40.28
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	435.22		
10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)					
10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	344.73		23.01
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	185.19		
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	378.93		25.89
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	202.82		
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	417.13		28.77
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	222.95		
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	473.57		31.65
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	254.37		
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	530.56		34.53
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	286.14		
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	586.99		37.41
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	317.55		
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	759.85		40.28
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	421.15		
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	852.04		43.16
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	474.75		
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	927.40		46.04
		For Heavy Gauge Full-Height SS Brackets, Add	65.26		
		For NFPA Class A, Add	517.90		
10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens (10 21 13 19)					
Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.					
10 21 13 19-0136 Solid Phenolic Toilet Partitions (10 21 13 19-0135)					
Note: Includes all standard Bobrick colors.					
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)					
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,148.46		129.47
		For >10, Deduct	-188.95		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53		
		For NFPA Class A, Add	409.74		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,642.53 235.53 509.82	140.99
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,952.59 235.53 573.09	146.74
10 21 13 19-0141			Overhead Braced, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Includes head rail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,382.64 -206.61 235.53 449.71	158.26
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,896.43 235.53 553.93	169.76
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,221.51 235.53 620.35	175.51
10 21 13 19-0145			Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,456.33 -208.23 235.53 455.98	187.03
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,966.46 235.53 559.43	198.54
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,276.51 235.53 622.69	204.28
10 21 13 19-0149			Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,417.49 -198.59 235.53 438.62	215.80
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,911.23 235.53 538.62	227.31
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,221.27 235.53 601.89	233.07
10 21 13 19-0153			Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	776.89 65.26 137.38	80.54
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	879.16 65.26 157.01	86.28
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	1,056.45 65.26 192.40	92.04
10 21 13 19-0158			Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	493.61 65.26 81.57	69.02
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	572.62 65.26 96.32	74.78
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	689.97 65.26 119.12	80.54
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	500.49 65.26 81.17	74.78
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	628.94 65.26 106.31	80.54
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	736.65 65.26 127.09	86.28
10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)				
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	800.89 65.26 144.26	74.78
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	903.78 65.26 164.02	80.54
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,084.45 65.26 200.12	86.28
10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135)				
Note: Includes all standard Bobrick colors.				
10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)				
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	584.61 105.01 115.40	23.01
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	604.86 105.01 119.65	23.01
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	662.59 105.01 130.86	25.89
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	715.40 105.01 141.95	25.89
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	769.65 105.01 153.34	25.89
10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)				
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	181.29 65.26 27.02	34.53
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	243.13 65.26 39.09	37.41
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	333.02 65.26 57.04	40.28
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	423.86 65.26 75.20	43.16
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	473.01 65.26 84.60	46.04
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	524.64 65.26 94.52	48.92
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	613.08 65.26 112.17	51.80
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	704.17 65.26 130.38	54.67
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	751.17 65.26 139.33	57.54
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	772.23 65.26 143.39	58.70
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	786.94 65.26 145.92	60.42
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	906.71 65.26 170.15	63.30
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,096.98 65.26 209.19	66.18



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	276.81	17.27
			For 1" Pilaster, Add	30.29	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	52.61	
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	318.57	20.14
			For 1" Pilaster, Add	34.79	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	60.45	
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	324.33	23.01
			For 1" Pilaster, Add	34.79	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	60.74	
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	375.84	25.89
			For 1" Pilaster, Add	40.51	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	70.64	
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	422.84	28.77
			For 1" Pilaster, Add	45.66	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	79.59	
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	469.85	31.65
			For 1" Pilaster, Add	50.82	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	88.54	
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	602.37	34.53
			For 1" Pilaster, Add	66.67	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	115.45	
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	740.90	37.41
			For 1" Pilaster, Add	83.26	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	143.62	
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	778.16	40.28
			For 1" Pilaster, Add	87.20	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	150.52	
10 21 13 19-0201			83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	303.82	17.27
			For 1" Pilaster, Add	33.66	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	58.28	
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	356.07	20.14
			For 1" Pilaster, Add	39.47	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	68.33	
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	361.83	23.01
			For 1" Pilaster, Add	39.47	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	68.62	
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	419.35	25.89
			For 1" Pilaster, Add	45.94	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	79.78	
10 21 13 19-0206	EA		10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	473.85	28.77
			For 1" Pilaster, Add	52.04	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	90.30	
10 21 13 19-0207	EA		12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	528.75	31.65
			For 1" Pilaster, Add	58.18	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	100.91	
10 21 13 19-0208	EA		16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	690.13	34.53
			For 1" Pilaster, Add	77.64	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	133.88	
10 21 13 19-0209	EA		20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	823.05	37.41
			For 1" Pilaster, Add	93.53	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	160.87	
10 21 13 19-0210	EA		24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	865.56	40.28
			For 1" Pilaster, Add	98.12	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	168.88	
10 21 13 19-0211			96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0212	EA		Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	342.33	23.01
			For 1" Pilaster, Add	37.04	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	64.52	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0213	EA		5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	405.10	25.89
			For 1" Pilaster, Add	44.16	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	76.78	
10 21 13 19-0214	EA		6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	410.84	28.77
			For 1" Pilaster, Add	44.16	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	77.07	
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	474.35	31.65
			For 1" Pilaster, Add	51.38	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	89.49	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	536.36	34.53
			For 1" Pilaster, Add	58.41	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	101.59	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	599.13	37.41
			For 1" Pilaster, Add	65.54	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	113.85	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	789.41	40.28
			For 1" Pilaster, Add	88.61	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	152.88	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	916.68	43.16
			For 1" Pilaster, Add	103.80	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	178.69	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	964.45	46.04
			For 1" Pilaster, Add	109.05	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
			For NFPA Class A, Add	187.80	
10 21 13 19-0221			Solid Color Reinforced Composite Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222)		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,375.20	129.47
			For >10, Deduct	-211.62	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,925.80	140.99
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,271.69	146.74
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Includes head rail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,630.57	158.26
			For >10, Deduct	-231.41	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,203.26	169.76
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,565.97	175.51
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,706.20	187.03
			For >10, Deduct	-233.22	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,274.79	198.54
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,620.66 235.53	204.28
10 21 13 19-0235			Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,655.80 -222.42 235.53	215.80
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,206.02 235.53	227.31
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,551.88 235.53	233.07
10 21 13 19-0239			Solid Color Reinforced Composite Urinal Screens (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	850.79 65.26	80.54
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	963.96 65.26	86.28
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,161.13 65.26	92.04
10 21 13 19-0244			Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	536.27 65.26	69.02
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	623.38 65.26	74.78
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	753.44 65.26	80.54
10 21 13 19-0248			Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	542.60 65.26	74.78
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	685.09 65.26	80.54
10 21 13 19-0251	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	804.33 65.26	86.28
10 21 13 19-0252			Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0253	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	879.05 65.26	74.78
10 21 13 19-0254	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	992.91 65.26	80.54
10 21 13 19-0255	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,193.88 65.26	86.28
10 21 13 19-0256			Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0221) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257			Solid Color Reinforced Composite, Toilet Partition Doors (10 21 13 19-0256)		
10 21 13 19-0258	EA		24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	649.24 105.01	23.01
10 21 13 19-0259	EA		26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	671.92 105.01	23.01
10 21 13 19-0260	EA		30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	735.89 105.01	25.89
10 21 13 19-0261	EA		34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	795.03 105.01	25.89
10 21 13 19-0262	EA		36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	855.79 105.01	25.89

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0263	Solid Color Reinforced Composite, Toilet Partition Panels (10 21 13 19-0256)			
10 21 13 19-0264	EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	194.76	34.53	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0265	EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	263.33	37.41	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0266	EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	363.32	40.28	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0267	EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	464.37	43.16	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0268	EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	518.72	46.04	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0269	EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	575.85	48.92	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0270	EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	674.22	51.80	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0271	EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	775.55	54.67	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0272	EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	827.51	57.54	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0273	EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	850.81	58.70	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0274	EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	866.87	60.42	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0275	EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	1,000.33	63.30	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0276	EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	1,212.73	66.18	
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0277	69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)			
10 21 13 19-0278	EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	305.89	17.27	
	For 1" Pilaster, Add	33.92		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0279	EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	351.96	20.14	
	For 1" Pilaster, Add	38.96		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0280	EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	357.72	23.01	
	For 1" Pilaster, Add	38.96		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0281	EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	414.73	25.89	
	For 1" Pilaster, Add	45.37		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0282	EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	466.67	28.77	
	For 1" Pilaster, Add	51.14		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0283	EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	518.64	31.65	
	For 1" Pilaster, Add	56.92		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0284	EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	666.37	34.53	
	For 1" Pilaster, Add	74.67		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0285	EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	820.83	37.41	
	For 1" Pilaster, Add	93.25		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0286	EA 24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	861.87	40.28	
	For 1" Pilaster, Add	97.66		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0287	83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)			
10 21 13 19-0288	EA Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	336.13	17.27	
	For 1" Pilaster, Add	37.70		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0289	EA 5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	393.97	20.14	
	For 1" Pilaster, Add	44.21		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0290	EA 6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	399.73	23.01	
	For 1" Pilaster, Add	44.21		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0291	EA 8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	463.45	25.89	
	For 1" Pilaster, Add	51.46		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0292	EA 10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	523.80	28.77	
	For 1" Pilaster, Add	58.28		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0293	EA 12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	584.61	31.65	
	For 1" Pilaster, Add	65.16		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		
10 21 13 19-0294	EA 16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	764.66	34.53	
	For 1" Pilaster, Add	86.95		
	For Heavy Gauge Full-Height SS Brackets, Add	65.26		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	912.84	37.41
			For 1" Pilaster, Add	104.75	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	959.76	40.28
			For 1" Pilaster, Add	109.90	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0297			96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0296)		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	377.88	23.01
			For 1" Pilaster, Add	41.48	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	447.49	25.89
			For 1" Pilaster, Add	49.46	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	453.23	28.77
			For 1" Pilaster, Add	49.46	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	523.68	31.65
			For 1" Pilaster, Add	57.55	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	592.44	34.53
			For 1" Pilaster, Add	65.42	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	662.05	37.41
			For 1" Pilaster, Add	73.41	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	874.48	40.28
			For 1" Pilaster, Add	99.24	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,016.32	43.16
			For 1" Pilaster, Add	116.25	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,069.13	46.04
			For 1" Pilaster, Add	122.13	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions (10 21 13 19-0307) Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,250.25	129.47
			For >10, Deduct	-499.13	
			For Solid Color Material (No Particulate), Deduct	-1,148.00	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,346.58	140.99
			For Solid Color Material (No Particulate), Deduct	-1,394.86	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,041.96	146.74
			For Solid Color Material (No Particulate), Deduct	-1,552.15	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0313			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,443.75	158.26
			For >10, Deduct	-512.73	
			For Solid Color Material (No Particulate), Deduct	-1,179.27	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,167.09	169.76
			For Solid Color Material (No Particulate), Deduct	-1,570.34	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,939.04	175.51
			For Solid Color Material (No Particulate), Deduct	-1,745.24	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308) Note: Excludes above ceiling steel.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,094.34	187.03
			For >10, Deduct	-572.03	
			For Solid Color Material (No Particulate), Deduct	-1,315.67	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,205.87	198.54
			For Solid Color Material (No Particulate), Deduct	-1,796.02	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,977.21	204.28
			For Solid Color Material (No Particulate), Deduct	-1,970.78	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)					
Note: Excludes above ceiling steel.					
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	6,144.53	215.80
			For >10, Deduct	-571.30	
			For Solid Color Material (No Particulate), Deduct	-1,313.98	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,868.51	227.31
			For Solid Color Material (No Particulate), Deduct	-1,705.19	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,639.84	233.07
			For Solid Color Material (No Particulate), Deduct	-1,879.96	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	235.53	
10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens (10 21 13 19-0307)					
10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)					
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,430.66	80.54
			For Solid Color Material (No Particulate), Deduct	-292.01	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,898.08	86.28
			For Solid Color Material (No Particulate), Deduct	-396.87	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,365.51	92.04
			For Solid Color Material (No Particulate), Deduct	-501.73	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)					
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	721.18	69.02
			For Solid Color Material (No Particulate), Deduct	-134.12	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	927.05	74.78
			For Solid Color Material (No Particulate), Deduct	-178.82	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,132.94	80.54
			For Solid Color Material (No Particulate), Deduct	-223.53	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)					
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	949.43	74.78
			For Solid Color Material (No Particulate), Deduct	-183.97	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0336	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,188.90	80.54
			For Solid Color Material (No Particulate), Deduct	-236.40	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0337	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,428.36	86.28
			For Solid Color Material (No Particulate), Deduct	-288.83	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)					
10 21 13 19-0339	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,468.84	74.78
			For Solid Color Material (No Particulate), Deduct	-303.43	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0340	EA		34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,936.26	80.54
			For Solid Color Material (No Particulate), Deduct	-408.30	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0341	EA		46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,403.69	86.28
			For Solid Color Material (No Particulate), Deduct	-513.16	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0307)					



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0343			Solid Polyester (Corian), Toilet Partition Doors (10 21 13 19-0342)		
10 21 13 19-0344	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,147.82	23.01
			For Solid Color Material (No Particulate), Deduct	-253.41	
			For Heavy Gauge Full-Height SS Hinge, Add	105.01	
10 21 13 19-0345	EA		26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,226.56	23.01
			For Solid Color Material (No Particulate), Deduct	-271.52	
			For Heavy Gauge Full-Height SS Hinge, Add	105.01	
10 21 13 19-0346	EA		30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,398.87	25.89
			For Solid Color Material (No Particulate), Deduct	-309.83	
			For Heavy Gauge Full-Height SS Hinge, Add	105.01	
10 21 13 19-0347	EA		34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,561.37	25.89
			For Solid Color Material (No Particulate), Deduct	-347.20	
			For Heavy Gauge Full-Height SS Hinge, Add	105.01	
10 21 13 19-0348	EA		36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,632.08	25.89
			For Solid Color Material (No Particulate), Deduct	-363.46	
			For Heavy Gauge Full-Height SS Hinge, Add	105.01	
10 21 13 19-0349			Solid Polyester (Corian), Toilet Partition Panels (10 21 13 19-0342)		
10 21 13 19-0350	EA		6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	296.99	34.53
			For Solid Color Material (No Particulate), Deduct	-52.43	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0351	EA		12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	530.73	37.41
			For Solid Color Material (No Particulate), Deduct	-104.86	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0352	EA		18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	764.43	40.28
			For Solid Color Material (No Particulate), Deduct	-157.29	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0353	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	998.15	43.16
			For Solid Color Material (No Particulate), Deduct	-209.72	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0354	EA		30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,231.86	46.04
			For Solid Color Material (No Particulate), Deduct	-262.15	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0355	EA		36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,465.55	48.92
			For Solid Color Material (No Particulate), Deduct	-314.58	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0356	EA		42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,699.28	51.80
			For Solid Color Material (No Particulate), Deduct	-367.01	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0357	EA		48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,932.98	54.67
			For Solid Color Material (No Particulate), Deduct	-419.44	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0358	EA		55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,204.68	57.54
			For Solid Color Material (No Particulate), Deduct	-480.61	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0359	EA		58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,320.98	58.70
			For Solid Color Material (No Particulate), Deduct	-506.83	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0360	EA		60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,400.41	60.42
			For Solid Color Material (No Particulate), Deduct	-524.30	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0361	EA		70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,786.09	63.30
			For Solid Color Material (No Particulate), Deduct	-611.68	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0362	EA		78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	3,095.77	66.18
			For Solid Color Material (No Particulate), Deduct	-681.59	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0363			72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)		
10 21 13 19-0364	EA		Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	392.29	17.27
			For Solid Color Material (No Particulate), Deduct	-82.28	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0365	EA		5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	487.48	20.14
			For Solid Color Material (No Particulate), Deduct	-102.86	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0366	EA		6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	582.68	23.01
			For Solid Color Material (No Particulate), Deduct	-123.43	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0367	EA		8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	767.35	25.89
			For Solid Color Material (No Particulate), Deduct	-164.58	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0368	EA		10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	951.97	28.77
			For Solid Color Material (No Particulate), Deduct	-205.72	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0369	EA		12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,136.61	31.65
			For Solid Color Material (No Particulate), Deduct	-246.86	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	
10 21 13 19-0370	EA		18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,679.01	34.53
			For Solid Color Material (No Particulate), Deduct	-370.29	
			For Heavy Gauge Full-Height SS Brackets, Add	65.26	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0371 EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0372 EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add	2,042.56 -452.58 65.26 2,227.20 -493.72 65.26	37.41 40.28
10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)		
10 21 13 19-0374 EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0375 EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0376 EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0377 EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0378 EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0379 EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0380 EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0381 EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0382 EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add	441.98 -93.71 65.26 549.62 -117.15 65.26 645.58 -137.89 65.26 882.26 -191.01 65.26 1,076.19 -234.29 65.26 1,285.67 -281.15 65.26 1,902.62 -421.72 65.26 2,315.86 -515.44 65.26 2,525.34 -562.30 65.26	17.27 20.14 23.01 25.89 28.77 31.65 34.53 37.41 40.28
10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)		
10 21 13 19-0384 EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0385 EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0386 EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0387 EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0388 EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0389 EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0390 EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0391 EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 10 21 13 19-0392 EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add	582.68 -123.43 65.26 722.62 -154.29 65.26 862.53 -185.15 65.26 1,136.61 -246.86 65.26 1,410.69 -308.58 65.26 1,684.77 -370.29 65.26 2,495.52 -555.44 65.26 3,037.94 -678.87 65.26 3,312.02 -740.59 65.26	23.01 25.89 28.77 31.65 34.53 37.41 40.28 43.16 46.04
10 21 13 40 Stone Toilet Compartments (10 21 13)		
10 21 13 40-0001 Stone Toilet Partitions And Urinal Screens (10 21 13 40)		
10 21 13 40-0002 Floor And Ceiling Anchored, Stone Toilet Partitions And Urinal Screens (10 21 13 40-0001)		
10 21 13 40-0003 SF Floor And Ceiling Anchored, Stone Toilet, Urinal Or Shower Partition (White Carrara) Note: Thickness 1-1/4" to match standard of design. Facing: 1/4" thickness of natural marble as selected - panel to be double sided for an all stone finish. All exposed edges of panel shall be natural stone. Reinforcing: 3/4" aluminum honeycomb composite bonded with high strength epoxy. Includes chrome-plated brass stirrup type U-brackets, chrome-plated brass HW and accessories, and theft-resistant-type heads and through-bolt application fasteners.	98.86	18.41
10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)		
10 21 13 43-0001 Accessories (10 21 13 43)		



Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 43-0002	LF		Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	13.98	2.31
10 21 13 43-0003	LF		Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	25.58	2.31
10 21 13 43-0004	EA		Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	115.72	
10 21 13 43-0005	EA		Replacement Of 58" Aluminum Wall U Bracket.....	73.25	
10 21 13 43-0006	EA		Replacement Of 58" Aluminum Wall Two Ear Bracket.....	122.00	
10 21 13 43-0007	EA		Replacement Of 54" Stainless Steel Wall U Bracket.....	88.80	
10 21 13 43-0008	EA		Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	214.93	
10 21 13 43-0009	EA		Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	198.97	
10 21 13 43-0010	EA		Replacement Of 57-1/2" Stainless Steel Hinge.....	145.18	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,163.57	143.86
		For 66" High Panels, Add	131.38	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,478.54	155.38
		For 66" High Panels, Add	175.17	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,930.14	172.64
		For 66" High Panels, Add	237.73	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,279.60	201.42
		For 66" High Panels, Add	281.52	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,629.11	230.19
		For 66" High Panels, Add	325.31	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,869.03	252.86
		For 66" High Panels, Add	405.07	
		For 6" Wide Head Rail, Add	75.96	
		For 8" Wide Head Rail, Add	104.65	
		For 10" Wide Head Rail, Add	128.28	
		For 12" Wide Head Rail, Add	154.44	
		For 18" Wide, 1/2" Thick Bench, Add	135.57	
		For 24" Wide, 1/2" Thick Bench, Add	175.57	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,564.38	276.10
		For 66" High Panels, Add	507.04	
		For 6" Wide Head Rail, Add	95.89	
		For 8" Wide Head Rail, Add	131.53	
		For 10" Wide Head Rail, Add	161.65	
		For 12" Wide Head Rail, Add	194.53	
		For 18" Wide, 1/2" Thick Bench, Add	140.23	
		For 24" Wide, 1/2" Thick Bench, Add	180.23	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,526.12	293.60
		For 66" High Panels, Add	649.56	
		For 6" Wide Head Rail, Add	124.04	
		For 8" Wide Head Rail, Add	169.30	
		For 10" Wide Head Rail, Add	208.69	
		For 12" Wide Head Rail, Add	251.02	
		For 18" Wide, 1/2" Thick Bench, Add	143.72	
		For 24" Wide, 1/2" Thick Bench, Add	183.72	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,827.57	328.47
		For 66" High Panels, Add	691.29	
		For 6" Wide Head Rail, Add	131.69	
		For 8" Wide Head Rail, Add	179.96	
		For 10" Wide Head Rail, Add	221.67	
		For 12" Wide Head Rail, Add	266.66	
		For 18" Wide, 1/2" Thick Bench, Add	150.69	
		For 24" Wide, 1/2" Thick Bench, Add	190.69	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,533.35	357.01
		For 66" High Panels, Add	794.30	
		For 6" Wide Head Rail, Add	151.72	
		For 8" Wide Head Rail, Add	207.05	
		For 10" Wide Head Rail, Add	255.25	
		For 12" Wide Head Rail, Add	307.01	
		For 18" Wide, 1/2" Thick Bench, Add	156.40	
		For 24" Wide, 1/2" Thick Bench, Add	196.40	

10 21 23 Cubicle Curtains and Track (10 21)

10 21 23 13 Cubicle Curtains (10 21 23)

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops (10 21 23 13)

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.90	0.99
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	23.23	0.99
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.91	0.99
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	26.26	0.99
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	27.61	0.99
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	30.20	0.99
10 21 23 16 Cubicle Track and Hardware (10 21 23)				
10 21 23 16-0001		Hospital Bendable Curtain Track (10 21 23 16)		
10 21 23 16-0002	EA	105', Bendable Curtain Track (InPro 115237)	1,439.43	100.02
10 21 23 16-0003	EA	16', Bendable Curtain Track (InPro 115236)	283.52	57.12
10 21 23 16-0004	EA	8', Bendable Curtain Track (InPro 115235)	162.69	38.08
10 21 23 16-0005		Hospital Cubicle Curtain Channel Track (10 21 23 16)		
		Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0006	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	23.80	5.23
10 21 23 16-0007	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	37.95	5.76
10 21 23 16-0008		Hospital IV Tracks (10 21 23 16)		
10 21 23 16-0009	LF	Oval Hospital Partition IV Track	22.25	3.28
10 21 23 16-0010	EA	Hospital Partition IV Trolley	120.54	13.69
10 21 23 16-0011	EA	5 Hook Tree, Hospital Partition IV Pendant	480.21	13.69
10 22 Partitions (10 20)				
10 22 13		Wire Mesh Partitions (10 22)		
10 22 13 00-0001		Wall Panels (10 22 13)		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.97	1.44
		For 5' Wide Panels, Add	0.60	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.56	1.72
		For 5' Wide Panels, Add	0.66	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	25.24	2.01
		For 5' Wide Panels, Add	1.06	
10 22 13 00-0005		Ceiling Panels (10 22 13)		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.48	1.72
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.08	2.01
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.92	2.31
10 22 13 00-0009		Sliding Doors (10 22 13)		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,398.08	302.12
		For 8 Gauge, Add	149.29	
		For 6 Gauge, Add	298.58	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,472.15	333.77
		For 8 Gauge, Add	154.07	
		For 6 Gauge, Add	308.14	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,610.87	345.28
		For 8 Gauge, Add	172.58	
		For 6 Gauge, Add	345.15	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,757.22	374.05
		For 8 Gauge, Add	188.77	
		For 6 Gauge, Add	377.55	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,816.71	397.07
		For 8 Gauge, Add	193.09	
		For 6 Gauge, Add	386.19	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,999.99	420.09
		For 8 Gauge, Add	215.98	
		For 6 Gauge, Add	431.96	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,149.41	451.74
		For 8 Gauge, Add	232.06	
		For 6 Gauge, Add	464.13	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,340.37	471.88
		For 8 Gauge, Add	256.68	
		For 6 Gauge, Add	513.36	



Specialties			10
Interior Specialties			10 20
Partitions			10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0018	EA		10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,360.71	483.39
			For 8 Gauge, Add.....	257.43	
			For 6 Gauge, Add.....	514.86	
10 22 13 00-0019	EA		10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,606.62	512.16
			For 8 Gauge, Add.....	288.56	
			For 6 Gauge, Add.....	577.12	
10 22 13 00-0020 Swing Doors (10 22 13)					
10 22 13 00-0021 Single Swing Door (10 22 13 00-0020)					
10 22 13 00-0022	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	956.82	178.39
			For 8 Gauge, Add.....	105.16	
			For 6 Gauge, Add.....	210.32	
10 22 13 00-0023	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,029.82	201.42
			For 8 Gauge, Add.....	114.19	
			For 6 Gauge, Add.....	228.38	
10 22 13 00-0024	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,103.97	212.92
			For 8 Gauge, Add.....	123.01	
			For 6 Gauge, Add.....	246.02	
10 22 13 00-0025	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,087.37	230.19
			For 8 Gauge, Add.....	117.07	
			For 6 Gauge, Add.....	234.14	
10 22 13 00-0026	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,164.21	241.69
			For 8 Gauge, Add.....	126.29	
			For 6 Gauge, Add.....	252.59	
10 22 13 00-0027	EA		4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,216.41	253.20
			For 8 Gauge, Add.....	131.82	
			For 6 Gauge, Add.....	263.64	
10 22 13 00-0028 Double Swing Doors (10 22 13 00-0020)					
10 22 13 00-0029	EA		6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,514.62	287.73
			For 8 Gauge, Add.....	169.65	
			For 6 Gauge, Add.....	339.29	
10 22 13 00-0030	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,639.66	305.00
			For 8 Gauge, Add.....	184.95	
			For 6 Gauge, Add.....	369.90	
10 22 13 00-0031	EA		6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,764.68	322.26
			For 8 Gauge, Add.....	200.25	
			For 6 Gauge, Add.....	400.50	
10 22 13 00-0032	EA		8' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,894.24	345.28
			For 8 Gauge, Add.....	215.08	
			For 6 Gauge, Add.....	430.16	
10 22 13 00-0033	EA		8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,074.73	362.54
			For 8 Gauge, Add.....	238.70	
			For 6 Gauge, Add.....	477.40	
10 22 13 00-0034	EA		8' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,253.11	379.81
			For 8 Gauge, Add.....	262.01	
			For 6 Gauge, Add.....	524.01	
10 22 13 00-0035 Dutch Doors (10 22 13)					
Note: Includes padlocks lugs and/or provisions for cylinder lock.					
10 22 13 00-0036	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,301.81	178.39
			For 8 Gauge, Add.....	156.91	
			For 6 Gauge, Add.....	313.82	
10 22 13 00-0037	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,380.97	201.42
			For 8 Gauge, Add.....	166.86	
			For 6 Gauge, Add.....	333.73	
10 22 13 00-0038	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,421.00	212.92
			For 8 Gauge, Add.....	170.57	
			For 6 Gauge, Add.....	341.13	
10 22 13 00-0039	EA		3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,495.54	241.69
			For 8 Gauge, Add.....	175.99	
			For 6 Gauge, Add.....	351.98	

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,437.36	230.19
		For 8 Gauge, Add	169.57	
		For 6 Gauge, Add	339.13	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,525.17	241.69
		For 8 Gauge, Add	180.44	
		For 6 Gauge, Add	360.87	

10 22 19 Demountable Partitions (10 22)**10 22 19 13 Demountable Metal Partitions (10 22 19)**

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	139.30	18.30
		For >9, Add	17.41	
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	121.72	14.57
		For >9, Add	15.22	
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	104.15	10.96
		For >9, Add	13.02	
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	313.97	14.57
		For >9, Add	39.25	
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	467.62	15.67
		For >9, Add	58.45	

10 22 19 43 Demountable Composite Partitions (10 22 19)

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	211.16	18.30
		For >9, Add	26.40	
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	263.30	19.94
		For >9, Add	32.91	
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	43.89	2.74
		For Acoustical Partitions, Add	3.85	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	55.43	4.60
		For Acoustical Partitions, Add	4.62	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	46.83	2.85
		For Acoustical Partitions, Add	4.11	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	66.88	3.95
		For Acoustical Partitions, Add	5.91	

10 22 19 53 Demountable Gypsum Partitions (10 22 19)**10 22 19 53-0001 Demountable Gypsum Partitions (10 22 19 53)**

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	168.04	18.30
		For >9, Add	21.01	
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	306.28	19.94
		For >9, Add	38.29	
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	328.67	21.92
		For >9, Add	41.08	
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	172.63	18.30
		For >9, Add	21.58	
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad.....	283.84	19.94
		For >9, Add	35.48	

10 22 23 Portable Partitions, Screens, and Panels (10 22)

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used.
For 100 percent glass 1/4" tempered plate is used.

10 22 23 13 Wall Screens (10 22 23)**10 22 23 13-0001 Privacy Screens, Free Standing (10 22 23 13)**

10 22 23 13-0002	EA	62-1/2" Wide x 70" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MC4022).....	233.91	26.16
10 22 23 13-0003	EA	62-1/2" Wide x 66" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Vinyl PVC Fabric (DQE MC5032).....	499.16	26.16
10 22 23 13-0004	EA	62" Wide x 74" High, Four Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MCK5022)	876.68	36.62
10 22 23 13-0005	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3C)	468.36	31.38
10 22 23 13-0006	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3C/AML/PB).....	440.53	31.38
10 22 23 13-0007	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AML/BF)	757.99	31.38
10 22 23 13-0008	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/PB).....	518.40	31.38
10 22 23 13-0009	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/WHT).....	518.40	31.38
10 22 23 13-0010	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Beige Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/C)	518.40	31.38
10 22 23 13-0011	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue, Beige, Green Or Mauve Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AML/BF-M-BGF or GG)	757.99	31.38



Specialties			10
Interior Specialties			10 20
Partitions			10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 22 23 13-0012	EA		81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3US).....	429.35	31.38

10 22 23 23 Movable Panel Systems (10 22 23)

10 22 23 23-0001 Portable Partitions (10 22 23 23)

10 22 23 23-0002	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	261.55	8.77
10 22 23 23-0003	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	278.91	9.75
10 22 23 23-0004	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	331.61	11.73
10 22 23 23-0005	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	192.39	5.04
10 22 23 23-0006	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	204.33	5.80
10 22 23 23-0007	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	229.79	7.01
10 22 23 23-0008	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	195.76	5.37
10 22 23 23-0009	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	348.26	9.75
10 22 23 23-0010	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	382.98	11.73
10 22 23 23-0011	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	203.36	6.68
10 22 23 23-0012	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	231.42	7.78
10 22 23 23-0013	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	186.35	5.80
10 22 23 23-0014	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	209.24	7.01
10 22 23 23-0015	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	309.73	9.75
10 22 23 23-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	349.59	11.73
10 22 23 23-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	314.87	9.75
10 22 23 23-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	382.98	11.73
10 22 23 23-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	242.86	5.80
10 22 23 23-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	273.46	7.01
10 22 23 23-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	256.12	5.37
10 22 23 23-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	305.53	6.36
10 22 23 23-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	149.42	6.68
10 22 23 23-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	176.20	7.78
10 22 23 23-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	159.16	7.01
10 22 23 23-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	116.13	5.37
10 22 23 23-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	188.69	7.01
10 22 23 23-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides	214.96	7.35
10 22 23 23-0029	LF		Partitions, Portable, Tackboard, Both Sides	173.51	7.12

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	722.58	
10 22 23 23-0032	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	686.27	
10 22 23 23-0033	EA		2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	541.01	
10 22 23 23-0034	EA		2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	625.74	
10 22 23 23-0035	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,224.94	
10 22 23 23-0036	EA		7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	246.95	
10 22 23 23-0037	EA		6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	331.02	
10 22 23 23-0038	EA		12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	355.23	
10 22 23 23-0039	EA		7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	204.59	
10 22 23 23-0040	EA		4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	1,467.04	
Note: Includes a hydraulic closer and a lever style lockset standard.					
10 22 23 23-0041	EA		7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	204.59	
10 22 23 23-0042	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,103.89	
Note: Includes a hydraulic closer and a lever style lockset standard.					
10 22 23 23-0043	EA		Closure Strips (Edge Guard 3003).....	14.74	
Note: To seal panels to existing walls					
10 22 23 23-0044	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	338.65	

10 22 23 23-0045 Adjustable Barrier Panel System (Starc Systems, Inc.) (10 22 23 23)

10 22 23 23-0046	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12).....	853.24	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0047	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18).....	960.77	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0048	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24).....	1,058.03	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0049	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32).....	1,122.89	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0050	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42).....	1,285.00	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0051	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24).....	1,382.27	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.					
10 22 23 23-0052	EA		Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42)	2,030.74	
Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset not included.					

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23	23-0053	EA Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,744.06	
10 22 23	23-0054	EA Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,003.44	
10 22 23	23-0055	EA Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,133.13	
10 22 23	23-0056	EA Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,327.68	
10 22 23	23-0057	EA Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	493.87	
10 22 23	23-0058	EA Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	493.87	
10 22 23	23-0059	EA Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	247.46	
10 22 23	23-0060	EA Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1) Note: Includes installation of wall mounted differential pressure monitor for containment wall.	1,496.53	
10 22 23	23-0061	EA Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	15.44	
10 22 23	23-0062	EA Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	14.79	
10 22 23	23-0063	EA Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	409.58	
10 22 23	23-0064	EA Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	604.11	
10 22 23	23-0065	EA Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	604.11	
10 22 23	23-0066	EA Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.	247.46	
10 22 23	23-0067	EA Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP) Note: Includes installation of quad screw joiner plate for containment barrier.	14.14	
10 22 23	23-0068	EA Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB) Note: Includes installation of containment barrier floor panel brace.	260.43	
10 22 23	23-0069	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	529.02	
10 22 23	23-0070	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	604.11	
10 22 23	23-0071	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	668.96	
10 22 23	23-0072	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	798.65	
10 22 23	23-0073	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	895.93	
10 22 23	23-0074	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	993.19	
10 22 23	23-0075	EA Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included	1,829.72	
10 22 23	23-0076	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	344.72	
10 22 23	23-0077	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	344.72	
10 22 23	23-0078	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	292.84	
10 22 23	23-0079	EA Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	292.84	
10 22 23	23-0080	EA Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	377.15	

10 22 33 Accordion Folding Partitions (10 22)**10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)**

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	96.06 19.21	5.42
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	97.52 19.50	5.61
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	102.16 20.43	5.78
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	108.45 21.69	5.98



Specialties			10
Interior Specialties			10 20
Partitions			10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 33 00-0006	SF	39	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	110.32 22.06	6.15
10 22 33 00-0007	SF	40	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	111.62 22.32	6.34
10 22 33 00-0008	SF	41	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	112.88 22.58	6.51
10 22 33 00-0009	SF	44	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	114.42 22.88	6.87
10 22 33 00-0010	SF	47	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	121.44 24.29	6.87
10 22 33 00-0011	SF	50	STC Rating, Accordion Door/Partition With Standard Vinyl Finish..... <i>For <135, Add</i>	128.46 25.69	6.87
10 22 43 Sliding Partitions^(10 22)					
10 22 43 00-0001 Operable Wall^(10 22 43)					
Note: Includes top support track, assembled panel and frames.					
10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	255.79	22.57	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-12.16	
<i>For 49 STC, Add</i>				15.43	
<i>For 52 STC, Add</i>				23.38	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	237.99	18.18	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-11.90	
<i>For 49 STC, Add</i>				15.10	
<i>For 52 STC, Add</i>				22.88	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	224.84	15.09	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-11.65	
<i>For 49 STC, Add</i>				14.78	
<i>For 52 STC, Add</i>				22.40	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	218.42	15.86	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-11.07	
<i>For 49 STC, Add</i>				14.05	
<i>For 52 STC, Add</i>				21.29	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	204.73	12.89	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-10.76	
<i>For 49 STC, Add</i>				13.66	
<i>For 52 STC, Add</i>				20.69	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	196.59	11.61	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-10.50	
<i>For 49 STC, Add</i>				13.33	
<i>For 52 STC, Add</i>				20.19	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	194.19	12.51	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-10.17	
<i>For 49 STC, Add</i>				12.90	
<i>For 52 STC, Add</i>				19.55	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	183.70	10.70	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-9.85	
<i>For 49 STC, Add</i>				12.50	
<i>For 52 STC, Add</i>				18.93	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	176.48	9.54	
Note: Includes pocket door, two ADA pass doors, track and hardware.					
<i>For 43 STC, Deduct</i>				-9.59	
<i>For 49 STC, Add</i>				12.18	
<i>For 52 STC, Add</i>				18.45	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	201.15	15.09	
Note: Includes pocket door, track and hardware.					
<i>For 44 STC, Deduct</i>				-10.09	
<i>For 49 STC, Add</i>				12.81	
<i>For 52 STC, Add</i>				19.41	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	185.92	11.47	
Note: Includes pocket door, track and hardware.					
<i>For 44 STC, Deduct</i>				-9.82	
<i>For 49 STC, Add</i>				12.47	
<i>For 52 STC, Add</i>				18.89	

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	177.02	9.67
			Note: Includes pocket door, track and hardware.		
			For 44 STC, Deduct	-9.60	
			For 49 STC, Add	12.18	
			For 52 STC, Add	18.45	

10 26 Wall and Door Protection (10 20)**10 26 13 Corner Guards** (10 26)

10 26 13 00-0001			Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002			Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	7.98	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.70	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	8.52	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.73	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	11.52	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.88	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.27	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-3.07	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.60	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-3.03	
10 26 13 00-0011			Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)		
			Note: Includes closure caps.		
10 26 13 00-0012			Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0013			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	14.73	5.17
			For >50 To 100, Deduct	-2.16	
			For >100 To 200, Deduct	-3.02	
			For >200, Deduct	-4.18	
			For Recycled Vinyl Retainer, Deduct	-1.22	
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	16.40	5.17
			For >50 To 100, Deduct	-2.16	
			For >100 To 200, Deduct	-3.02	
			For >200, Deduct	-4.27	
			For Recycled Vinyl Retainer, Deduct	-1.56	
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	18.06	5.17
			For >50 To 100, Deduct	-2.16	
			For >100 To 200, Deduct	-3.02	
			For >200, Deduct	-4.35	
			For Recycled Vinyl Retainer, Deduct	-1.89	
10 26 13 00-0017			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	21.18	5.17
			For >50 To 100, Deduct	-2.16	
			For >100 To 200, Deduct	-3.02	
			For >200, Deduct	-4.51	
			For Recycled Vinyl Retainer, Deduct	-2.51	
10 26 13 00-0019			End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
			Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		



Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	30.05	6.90	
		For >50 To 100, Deduct	-2.88		
		For >100 To 200, Deduct	-4.03		
		For >200, Deduct	-6.10		
		For Recycled Vinyl Retainer, Deduct	-3.71		
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)			
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	19.53	5.17	
		For >50 To 100, Deduct	-2.16		
		For >100 To 200, Deduct	-3.02		
		For >200, Deduct	-4.42		
		For Up To 2 HR Fire Rated, Add	7.64		
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	23.48	5.17	
		For >50 To 100, Deduct	-2.16		
		For >100 To 200, Deduct	-3.02		
		For >200, Deduct	-4.62		
		For Up To 2 HR Fire Rated, Add	10.40		
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	21.78	5.17	
		For >50 To 100, Deduct	-2.16		
		For >100 To 200, Deduct	-3.02		
		For >200, Deduct	-4.54		
		For Up To 2 HR Fire Rated, Add	9.21		
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.17	5.17	
		For >50 To 100, Deduct	-2.16		
		For >100 To 200, Deduct	-3.02		
		For >200, Deduct	-4.71		
		For Up To 2 HR Fire Rated, Add	11.59		
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.			
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	52.52	6.90	
		For >50 To 100, Deduct	-2.88		
		For >100 To 200, Deduct	-4.03		
		For >200, Deduct	-7.23		
		For Up To 2 HR Fire Rated, Add	28.71		
10 26 13 00-0030		Flexible Vinyl Corner Guards (10 26 13 00-0001)			
		Note: Includes adhesive for installation.			
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)			
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)			
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	10.91	3.45	
		For >50 To 100, Deduct	-1.44		
		For >100 To 200, Deduct	-2.02		
		For >200, Deduct	-2.85		
		For Bolting To Concrete Or Masonry, Add	2.50		
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	13.88	3.45	
		For >50 To 100, Deduct	-1.44		
		For >100 To 200, Deduct	-2.02		
		For >200, Deduct	-3.00		
		For Bolting To Concrete Or Masonry, Add	2.95		
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.29	3.45	
		For >50 To 100, Deduct	-1.44		
		For >100 To 200, Deduct	-2.02		
		For >200, Deduct	-3.12		
		For Bolting To Concrete Or Masonry, Add	3.31		
10 26 13 00-0036		Polycarbonate Corner Guards (10 26 13)			
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)			
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)			
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	7.31	3.45	
		For >50 To 100, Deduct	-1.44		
		For >100 To 200, Deduct	-2.02		
		For >200, Deduct	-2.67		

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0040	LF		1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	8.77	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.74	
10 26 13 00-0041	LF		2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	10.47	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.83	
10 26 13 00-0042	LF		2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	11.49	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.88	
10 26 13 00-0043	LF		Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.12	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.86	
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0045	LF		2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	11.49	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.88	
10 26 13 00-0046			Aluminum Corner Guards (10 26 13)		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards (10 26 13 00-0046)		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0049	LF		1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	10.27	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.82	
10 26 13 00-0050	LF		2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	12.24	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.92	
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	13.45	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.98	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	10.27	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.82	
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	12.24	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.92	
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	13.45	3.45
			For >50 To 100, Deduct	-1.44	
			For >100 To 200, Deduct	-2.02	
			For >200, Deduct	-2.98	
10 26 13 00-0056			Steel Corner Guards (10 26 13)		
10 26 13 00-0057			Steel Angle Iron, Corner Guards (10 26 13 00-0056)		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0057)		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0058)		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.27	4.15
			For Galvanizing, Add	2.23	
			For >50 To 100, Deduct	-1.73	
			For >100 To 200, Deduct	-2.42	
			For >200, Deduct	-3.42	
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.78	4.49
			For Galvanizing, Add	3.26	
			For >50 To 100, Deduct	-1.87	
			For >100 To 200, Deduct	-2.62	
			For >200, Deduct	-3.83	
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.83	4.66
			For Galvanizing, Add	3.52	
			For >50 To 100, Deduct	-1.94	
			For >100 To 200, Deduct	-2.72	
			For >200, Deduct	-4.00	



Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	.....	18.24	4.83
		For Galvanizing, Add		3.57	
		For >50 To 100, Deduct		-2.01	
		For >100 To 200, Deduct		-2.82	
		For >200, Deduct		-4.13	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	.....	22.58	5.00
		For Galvanizing, Add		4.98	
		For >50 To 100, Deduct		-2.09	
		For >100 To 200, Deduct		-2.92	
		For >200, Deduct		-4.47	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	.....	26.94	5.17
		For Galvanizing, Add		6.41	
		For >50 To 100, Deduct		-2.16	
		For >100 To 200, Deduct		-3.02	
		For >200, Deduct		-4.80	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	.....	45.69	6.90
		For Galvanizing, Add		11.97	
		For >50 To 100, Deduct		-2.88	
		For >100 To 200, Deduct		-4.03	
		For >200, Deduct		-6.88	
10 26 13 00-0067		Stainless Steel Corner Guards (10 26 13)			
10 26 13 00-0068		Stainless Steel Corner Guards (10 26 13 00-0067)			
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.			
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0068)			
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)			
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	.....	11.39	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-2.87	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	.....	13.12	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-2.96	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	.....	17.63	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-3.19	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	.....	17.63	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-3.19	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)			
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	.....	17.63	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-3.19	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	.....	17.63	3.45
		For >50 To 100, Deduct		-1.44	
		For >100 To 200, Deduct		-2.02	
		For >200, Deduct		-3.19	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0067)			
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0078)			
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0079)			
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	.....	21.62	4.15
		For >50 To 100, Deduct		-1.73	
		For >100 To 200, Deduct		-2.42	
		For >200, Deduct		-3.84	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	.....	35.38	4.49
		For >50 To 100, Deduct		-1.87	
		For >100 To 200, Deduct		-2.62	
		For >200, Deduct		-4.76	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	.....	49.09	4.66
		For >50 To 100, Deduct		-1.94	
		For >100 To 200, Deduct		-2.72	
		For >200, Deduct		-5.56	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	.....	45.94	4.83
		For >50 To 100, Deduct		-2.01	
		For >100 To 200, Deduct		-2.82	
		For >200, Deduct		-5.52	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	.....	65.23	5.00
		For >50 To 100, Deduct		-2.09	
		For >100 To 200, Deduct		-2.92	
		For >200, Deduct		-6.60	

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0086 LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	60.37	5.17
For >50 To 100, Deduct	-2.16	
For >100 To 200, Deduct	-3.02	
For >200, Deduct	-6.47	
10 26 13 00-0087 Rubber Corner Guards (10 26 13)		
Note: Includes adhesive for installation.		
10 26 13 00-0088 Natural Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)		
10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)		
10 26 13 00-0091 LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	50.32	3.45
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-2.02	
For >200, Deduct	-4.82	
For Bolting To Concrete Or Masonry, Add	8.41	
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	22.88	3.45
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-2.02	
For >200, Deduct	-3.45	
For Bolting To Concrete Or Masonry, Add	4.30	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.13	3.45
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-2.02	
For >200, Deduct	-3.31	
For Bolting To Concrete Or Masonry, Add	3.88	
10 26 16 Bumper Guards (10 26)		
10 26 16 13 Bumper Rails (10 26 16)		
10 26 16 13-0001 Crash Rails (10 26 16 13)		
Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	12.84	4.60
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-4.33	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	14.13	4.60
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-4.39	
10 26 16 13-0005 Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	36.56	4.60
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-5.51	
10 26 16 13-0007 Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	63.91	4.60
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-6.88	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	50.23	4.60
For >50 To 100, Deduct	-2.30	
For >100 To 200, Deduct	-3.22	
For >200, Deduct	-6.20	



Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0010			Wall Guards (10 26 16 13)		
10 26 16 13-0011			Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010) Note: Includes end caps.		
10 26 16 13-0012	LF		1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	13.19	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-3.88	
10 26 16 13-0013	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	16.03	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-4.49	
10 26 16 13-0014	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	17.30	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-4.55	
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	17.99	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-4.58	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	21.41	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-4.98	
10 26 16 13-0017	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	21.52	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-4.99	
10 26 16 13-0018	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	22.13	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-5.02	
10 26 16 13-0019	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	26.54	5.17
			For >50 To 100, Deduct	-2.59	
			For >100 To 200, Deduct	-3.62	
			For >200, Deduct	-5.47	
10 26 16 13-0020			Rubber Wall Guards (10 26 16 13-0010)		
10 26 16 13-0021			D-Shaped, Rubber Wall Guards (10 26 16 13-0020)		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	17.55	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-4.10	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	25.62	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-4.97	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	37.45	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-5.56	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	52.35	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-6.30	
10 26 16 13-0026			Rectangular, Rubber Wall Guards (10 26 16 13-0020)		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	40.07	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-5.92	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	50.42	5.17
			For >50 To 100, Deduct	-2.59	
			For >100 To 200, Deduct	-3.62	
			For >200, Deduct	-6.66	
10 26 16 13-0029			Wing Type, Rubber Wall Guards (10 26 16 13-0020)		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	65.27	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-6.95	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	69.38	4.60
			For >50 To 100, Deduct	-2.30	
			For >100 To 200, Deduct	-3.22	
			For >200, Deduct	-7.15	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	31.95	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-4.82	

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0033			U-Shaped, Rubber Wall Guards (10 26 16 13-0020)		
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	55.25	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-6.67	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	61.74	4.89
			For >50 To 100, Deduct	-2.45	
			For >100 To 200, Deduct	-3.42	
			For >200, Deduct	-7.00	
10 26 16 13-0036			Accent Rails (10 26 16 13)		
			Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers (10 26 16 13-0036)		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	15.41	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-3.99	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	15.44	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-3.99	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	21.74	4.03
			For >50 To 100, Deduct	-2.01	
			For >100 To 200, Deduct	-2.82	
			For >200, Deduct	-4.31	
10 26 16 16			Protective Corridor Handrails (10 26 16)		
10 26 16 16-0001			Protective Corridor Handrails (10 26 16 16)		
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	33.33	8.62
			For >50 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-6.04	
			For >200, Deduct	-8.57	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	28.74	8.62
			For >25 To 50, Deduct	-4.32	
			For >50 To 100, Deduct	-6.04	
			For >100, Deduct	-8.34	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	47.10	8.62
			For >50 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-6.04	
			For >200, Deduct	-9.26	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	37.92	8.62
			For >25 To 50, Deduct	-4.32	
			For >50 To 100, Deduct	-6.04	
			For >100, Deduct	-8.80	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	49.39	8.62
			For >50 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-6.04	
			For >200, Deduct	-9.37	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	53.98	8.62
			For >25 To 50, Deduct	-4.32	
			For >50 To 100, Deduct	-6.04	
			For >100, Deduct	-9.60	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	65.46	8.62
			For >50 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-6.04	
			For >200, Deduct	-10.18	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	72.34	8.62
			For >25 To 50, Deduct	-4.32	
			For >50 To 100, Deduct	-6.04	
			For >100, Deduct	-10.52	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	88.41	8.62
			For >50 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-6.04	
			For >200, Deduct	-11.32	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	90.70	8.62
			For >25 To 50, Deduct	-4.32	
			For >50 To 100, Deduct	-6.04	
			For >100, Deduct	-11.44	
10 26 16 16-0014			Hardwood Protective Corridor Handrails (10 26 16 16-0001)		
			Note: Includes end caps.		



Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0015 LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Maple, Add	30.96 -3.27 -4.57 -6.77 0.54	6.53
10 26 16 16-0016 LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500) For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	36.93 -3.48 -4.88 -7.42	6.96
10 26 16 16-0017 LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Maple, Add For Oak, Add	27.13 -3.27 -4.57 -6.58 6.05 6.75	6.53
10 26 23 Protective Wall Covering (10 26)		
10 26 23 13 Impact Resistant Wall Protection (10 26 23)		
10 26 23 13-0001 Impact Resistant Wall Protection (10 26 23 13) Note: Includes standard trim.		
10 26 23 13-0002 SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	8.48	2.88
10 26 23 13-0003 SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	8.81	2.88
10 26 23 13-0004 SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	10.73	2.88
10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13) Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006 "L" Design (10 26 23 13-0005)		
10 26 23 13-0007 L-Shield (10 26 23 13-0006)		
10 26 23 13-0008 LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	17.36	2.88
10 26 23 13-0009 LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	19.93	4.03
10 26 23 13-0010 LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	26.21	5.17
10 26 23 13-0011 LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	36.14	6.33
10 26 23 13-0012 "Combo" Hanger (10 26 23 13-0006)		
10 26 23 13-0013 EA Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	18.58	5.76
10 26 23 13-0014 EA Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	21.45	6.91
10 26 23 13-0015 EA Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	24.75	8.05
10 26 23 13-0016 EA Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	27.46	9.21
10 26 23 13-0017 EA Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	30.76	10.36
10 26 23 13-0018 Snap-2 Pipe Hanger (10 26 23 13-0006)		
10 26 23 13-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	15.19	5.76
10 26 23 13-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	18.48	6.91
10 26 23 13-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	21.50	8.05
10 26 23 13-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	25.06	9.21
10 26 23 13-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	28.78	10.36
10 26 23 13-0024 Coupling (10 26 23 13-0006)		
10 26 23 13-0025 EA Coupling, L-Shield, 1" Shield Size	10.15	2.88
10 26 23 13-0026 EA Coupling, L-Shield, 1-1/4" Shield Size	14.70	4.03
10 26 23 13-0027 EA Coupling, L-Shield, 2" Shield Size	21.25	5.17
10 26 23 13-0028 EA Coupling, L-Shield, 2-1/2" Shield Size	26.67	6.33
10 26 23 13-0029 Coupling, Reducer (10 26 23 13-0006)		
10 26 23 13-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	29.55	3.45
10 26 23 13-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size	36.35	4.03
10 26 23 13-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	43.16	4.60
10 26 23 13-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	171.09	5.76
10 26 23 13-0034 Shield Clips (10 26 23 13-0006)		
10 26 23 13-0035 EA Shield Clips, L-Support, 1" Shield Size	6.14	1.72
10 26 23 13-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size	9.16	2.88
10 26 23 13-0037 EA Shield Clips, L-Support, 2" Shield Size	12.01	4.03
10 26 23 13-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size	13.47	5.17
10 26 23 13-0039 Wall Flange (10 26 23 13-0006)		
10 26 23 13-0040 EA Wall Flange, L-Shield, 1" Shield Size	9.86	2.88
10 26 23 13-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size	14.13	4.03

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size.....	20.69	5.17
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	88.58	6.33
10 26 23 13-0044		End Cap (10 26 23 13-0006)		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size.....	10.38	1.72
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	13.68	2.88
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size.....	18.94	4.03
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	90.43	5.17
10 26 23 13-0049		Inside/Outside Corner (10 26 23 13-0006)		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size.....	65.69	5.76
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	70.68	6.91
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size.....	85.32	8.63
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	150.17	10.36
10 26 23 13-0054		Joiner (10 26 23 13-0006)		
10 26 23 13-0055	LF	Joiner, L-Shield.....	13.49	1.72
10 26 23 13-0056		"U" Design (10 26 23 13-0005)		
10 26 23 13-0057		U-Shield (10 26 23 13-0056)		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe.....	21.04	2.88
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe.....	26.16	4.03
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	33.42	4.03
10 26 23 13-0061		"Combo" Hanger (10 26 23 13-0056)		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	15.90	5.76
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	18.90	6.91
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	21.78	8.05
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	27.04	9.21
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	30.62	10.36
10 26 23 13-0067		Snap-2 Pipe Hanger (10 26 23 13-0056)		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe.....	14.91	5.76
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe.....	18.20	6.91
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe.....	22.20	8.05
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe.....	24.78	9.21
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe.....	28.64	10.36
10 26 23 13-0073		Coupling (10 26 23 13-0056)		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size.....	12.13	2.88
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size.....	15.12	4.03
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size.....	18.42	5.17
10 26 23 13-0077		Coupling, Reducer (10 26 23 13-0056)		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	35.21	3.45
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	42.00	4.03
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	44.58	4.60
10 26 23 13-0081		Shield Clips (10 26 23 13-0056)		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	5.57	1.72
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	8.17	2.88
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	10.74	4.03
10 26 23 13-0085		Wall Flange (10 26 23 13-0056)		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	11.70	2.88
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size.....	14.98	4.03
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	18.28	5.17
10 26 23 13-0089		End Cap (10 26 23 13-0056)		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	11.09	1.72
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size.....	14.81	2.88
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	18.38	4.03
10 26 23 13-0093		Inside/Outside Corner (10 26 23 13-0056)		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	82.81	5.76
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	92.05	6.91



Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size	108.80	8.63
10 26 23 13-0097 Elbow (10 26 23 13-0056)		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size	81.26	5.76
10 26 23 13-0099 EA Elbow, U-Shield, 1-1/4" Shield Size	89.22	6.91
10 26 23 13-0100 EA Elbow, U-Shield, 2" Shield Size	106.12	8.63
10 26 23 13-0101 Tee (10 26 23 13-0056)		
10 26 23 13-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size	102.58	8.63
10 26 23 13-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	113.95	10.36
10 26 23 13-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size	132.98	12.66
10 26 23 13-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	135.58	9.79
10 26 23 13-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	145.98	12.08
10 26 23 13-0107 Cross (10 26 23 13-0056)		
10 26 23 13-0108 EA Cross, U-Shield, 1" Shield Size	186.41	11.51
10 26 23 13-0109 EA Cross, U-Shield, 1-1/4" Shield Size	208.71	13.81
10 26 23 13-0110 EA Cross, U-Shield, 2" Shield Size	253.53	17.27
10 26 23 13-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size	256.21	12.66
10 26 23 13-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size	281.49	15.53
10 26 23 13-0113 Transition Fittings (L to U Or U to L) (10 26 23 13-0005)		
10 26 23 13-0114 Coupling Transition (10 26 23 13-0113)		
10 26 23 13-0115 EA Transition Coupling, 1" x 1", LxU or UxL	31.51	2.88
10 26 23 13-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	35.50	4.03
10 26 23 13-0117 EA Transition Coupling, 2" x 2", LxU or UxL	44.17	5.17
10 26 23 13-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL	35.63	3.45
10 26 23 13-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL	44.30	4.60
10 26 23 13-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL	179.16	5.76
10 26 23 13-0121 Elbow Transition (10 26 23 13-0113)		
10 26 23 13-0122 EA Transition Elbow, 1" x 1" (UxL)	109.69	5.76
10 26 23 13-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL)	118.78	6.91
10 26 23 13-0124 EA Transition Elbow, 2" x 2" (UxL)	139.22	8.63
10 26 23 13-0125 EA Transition Elbow, 1" x 1-1/4" (UxL)	171.11	6.33
10 26 23 13-0126 EA Transition Elbow, 1-1/4" x 1" (UxL)	120.75	6.33
10 26 23 13-0127 EA Transition Elbow, 1-1/4" x 2" (UxL)	180.51	8.05
10 26 23 13-0128 EA Transition Elbow, 2" x 1-1/4" (UxL)	139.63	8.05
10 26 23 13-0129 EA Transition Elbow, 2" x 2-1/2" (UxL)	217.04	9.21
10 26 23 13-0130 Tee Transition (10 26 23 13-0113)		
10 26 23 13-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU)	125.36	8.63
10 26 23 13-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	144.94	10.36
10 26 23 13-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU)	168.49	12.66
10 26 23 13-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	132.33	9.79
10 26 23 13-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	208.62	10.93
10 26 23 13-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	147.25	12.08
10 26 23 13-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	201.37	14.39
10 26 23 13-0138 Fittings (L Or U) (10 26 23 13-0005)		
10 26 23 13-0139 Hugger Hangers For Steel Pipe (10 26 23 13-0138)		
10 26 23 13-0140 EA 1/2" Diameter Steel Pipe, Hugger Hanger	12.18	4.60
10 26 23 13-0141 EA 3/4" Diameter Steel Pipe, Hugger Hanger	15.19	5.76
10 26 23 13-0142 EA 1" Diameter Steel Pipe, Hugger Hanger	17.77	6.91
10 26 23 13-0143 EA 1-1/4" Diameter Steel Pipe, Hugger Hanger	20.51	8.05
10 26 23 13-0144 EA 1-1/2" Diameter Steel Pipe, Hugger Hanger	23.08	9.21
10 26 23 13-0145 EA 2" Diameter Steel Pipe, Hugger Hanger	25.95	9.21
10 26 23 13-0146 EA 2-1/2" Diameter Steel Pipe, Hugger Hanger	28.53	11.51
10 26 23 13-0147 EA 3" Diameter Steel Pipe, Hugger Hanger	36.07	12.66
10 26 23 13-0148 Hugger Hangers For Copper Pipe (10 26 23 13-0138)		
10 26 23 13-0149 EA 1/2" Diameter Copper Pipe, Hugger Hanger	12.32	4.60
10 26 23 13-0150 EA 3/4" Diameter Copper Pipe, Hugger Hanger	15.33	5.76
10 26 23 13-0151 EA 1" Diameter Copper Pipe, Hugger Hanger	17.91	6.91
10 26 23 13-0152 EA 1-1/4" Diameter Copper Pipe, Hugger Hanger	20.65	8.05
10 26 23 13-0153 EA 1-1/2" Diameter Copper Pipe, Hugger Hanger	23.22	9.21
10 26 23 13-0154 EA 2" Diameter Copper Pipe, Hugger Hanger	26.24	10.36
10 26 23 13-0155 EA 2-1/2" Diameter Copper Pipe, Hugger Hanger	28.81	11.51
10 26 23 13-0156 EA 3" Diameter Copper Pipe, Hugger Hanger	36.50	12.66

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0157		Shield Extension (L Or U) (10 26 23 13-0138)		
10 26 23 13-0158	LF	Shield Extension	16.47	1.72
10 26 23 13-0159		Interior Steel Soffit System (10 26 23 13)		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	30.92	5.17
		For 22 Gauge Steel, Add	2.06	
		For 20 Gauge Steel, Add	4.40	
		For 18 Gauge Steel, Add	8.64	
		For 16 Gauge Steel, Add	13.26	
		For Stainless Steel, Add	5.14	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	47.50	14.39
		For Stainless Steel, Add	4.68	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	123.10	17.27
		For Stainless Steel, Add	21.86	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	37.25	8.63
		For Stainless Steel, Add	5.00	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	7.71	3.45
		For Stainless Steel, Add	0.20	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	35.29	5.17
		For 22 Gauge Steel, Add	1.87	
		For 20 Gauge Steel, Add	3.99	
		For 18 Gauge Steel, Add	7.73	
		For 16 Gauge Steel, Add	12.96	
		For Stainless Steel, Add	6.23	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	47.50	14.39
		For Stainless Steel, Add	4.68	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	123.10	17.27
		For Stainless Steel, Add	21.86	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	32.64	6.33
		For Stainless Steel, Add	5.00	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	7.71	3.45
		For Stainless Steel, Add	0.20	
10 26 41		Bullet Resistant Panels (10 26)		
10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel (10 26 41)		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	22.79	1.63
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	31.37	1.74
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	35.50	1.86
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	37.76	1.97
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	40.91	2.08
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	44.04	2.20
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	75.02	2.66
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	107.83	4.18
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	128.33	4.99
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	154.73	5.45
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	176.13	5.80
10 28		Toilet, Bath, and Laundry Accessories (10 20)		
10 28 13		Toilet Accessories (10 28)		
10 28 13 13		Commercial Toilet Accessories (10 28 13)		
10 28 13 13-0001		Toilet Accessories (10 28 13 13)		
10 28 13 13-0002		Dispensers (10 28 13 13-0001)		
10 28 13 13-0003		Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	123.01	25.88
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	131.99	25.88
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	133.33	25.88
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	135.91	25.88
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	206.90	25.88
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	222.06	25.88
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	245.66	25.88
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	258.22	11.50
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	430.12	25.88
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	511.49	25.88
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	549.63	25.88
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	309.77	25.88
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	162.03	14.38



Specialties			10
Interior Specialties			10 20
Toilet, Bath, and Laundry Accessories			10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0018			Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0019	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	92.38	25.88
10 28 13 13-0020	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	195.57	25.88
10 28 13 13-0021	EA		Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	194.19	25.88
10 28 13 13-0022	EA		Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	164.51	25.88
10 28 13 13-0023			Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0024	EA		Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	101.37	25.88
10 28 13 13-0025			Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026			Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027	EA		Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	92.05	25.88
10 28 13 13-0028	EA		Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	103.21	25.88
10 28 13 13-0029	EA		Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	79.00	25.88
10 28 13 13-0030	EA		Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	94.33	25.88
10 28 13 13-0031			Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032	EA		Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	82.74	25.88
10 28 13 13-0033	EA		Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	83.39	25.88
10 28 13 13-0034	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	88.06	25.88
10 28 13 13-0035	EA		Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	96.71	25.88
10 28 13 13-0036	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	128.67	25.88
10 28 13 13-0037			Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0038	EA		Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	69.75	25.88
10 28 13 13-0039	EA		Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	213.39	25.88
10 28 13 13-0040	EA		Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	121.50	25.88
10 28 13 13-0041	EA		Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	113.03	25.88
10 28 13 13-0042	EA		Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	125.99	25.88
10 28 13 13-0043	EA		Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	167.90	28.76
10 28 13 13-0044	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	125.99	25.88
10 28 13 13-0045	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	167.90	25.88
10 28 13 13-0046	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	181.36	25.88
10 28 13 13-0047	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	287.02	25.88
10 28 13 13-0048	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	287.02	25.88
10 28 13 13-0049	EA		Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	113.24	25.88
10 28 13 13-0050	EA		Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	133.66	25.88
10 28 13 13-0051	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	82.06	25.88
10 28 13 13-0052	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	143.98	25.88
10 28 13 13-0053	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	203.76	25.88
10 28 13 13-0054	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	214.89	25.88
10 28 13 13-0055	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	272.34	25.88
10 28 13 13-0056	EA		Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	252.42	25.88
10 28 13 13-0057	EA		Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	391.18	25.88
			Note: Mounts centered through toilet partitions.		
10 28 13 13-0058	EA		Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	166.62	25.88
10 28 13 13-0059	EA		Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	153.60	25.88
10 28 13 13-0060	EA		Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	122.72	25.88
10 28 13 13-0061	EA		Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 9030)	128.25	25.88
10 28 13 13-0062	EA		Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0030)	155.79	25.88
10 28 13 13-0063	EA		Twin, Hide-A-Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 20030)	216.51	25.88
10 28 13 13-0064	EA		Twin, 9" Jumbo Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0040)	235.94	25.88
10 28 13 13-0065			Soap or Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0066	EA		20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	111.36	25.88
			For 34 Fluid Ounce (B-822), Add	4.84	
10 28 13 13-0067	EA		20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	121.35	25.88
			For 34 Fluid Ounce (B-822), Add	4.84	
10 28 13 13-0068	EA		24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	73.41	25.88

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0069 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	80.40	25.88
10 28 13 13-0070 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	97.02	25.88
10 28 13 13-0071 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	99.90	25.88
10 28 13 13-0072 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	113.36	25.88
10 28 13 13-0073 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	144.98	25.88
10 28 13 13-0074 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	250.03	25.88
10 28 13 13-0075 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	403.49	25.88
10 28 13 13-0076 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	247.14	25.88
Note: Includes start-up kit.		
10 28 13 13-0077 Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0078 Manual Sanitizer Dispensers (10 28 13 13-0077)		
10 28 13 13-0079 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	84.35	25.88
10 28 13 13-0080 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00)	85.77	25.88
10 28 13 13-0081 EA 1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	85.32	25.88
10 28 13 13-0082 Automatic Sanitizer Dispensers (10 28 13 13-0077)		
10 28 13 13-0083 EA 1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	78.28	25.88
10 28 13 13-0084 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6)	104.89	25.88
10 28 13 13-0085 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	98.25	25.88
10 28 13 13-0086 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8)	106.39	25.88
10 28 13 13-0087 EA 1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	124.01	25.88
10 28 13 13-0088 EA 2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	124.86	25.88
10 28 13 13-0089 Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0077)		
10 28 13 13-0090 EA 1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	672.55	8.62
10 28 13 13-0091 EA 1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS- SLV).....	723.53	8.62
10 28 13 13-0092 EA 1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	752.02	8.62
10 28 13 13-0093 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0094 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	129.34	25.88
10 28 13 13-0095 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	87.83	25.88
10 28 13 13-0096 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0097 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B- 5221)	72.07	25.88
10 28 13 13-0098 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	98.38	25.88
10 28 13 13-0099 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	181.27	25.88
10 28 13 13-0100 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	189.12	25.88
10 28 13 13-0101 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	381.85	25.88
10 28 13 13-0102 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0103 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	616.18	25.88
10 28 13 13-0104 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	370.45	25.88
10 28 13 13-0105 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0106 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	762.50	25.88
10 28 13 13-0107 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	578.07	25.88
10 28 13 13-0108 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	772.65	25.88
10 28 13 13-0109 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	581.26	25.88
10 28 13 13-0110 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	509.93	25.88
10 28 13 13-0111 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	593.85	25.88
10 28 13 13-0112 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0113 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B- 3094)	526.62	57.52
10 28 13 13-0114 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	590.07	57.52
10 28 13 13-0115 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	486.28	57.52
10 28 13 13-0116 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	691.95	57.52
10 28 13 13-0117 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	711.58	57.52
10 28 13 13-0118 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	821.10	57.52
10 28 13 13-0119 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	768.72	57.52



Specialties			10
Interior Specialties			10 20
Toilet, Bath, and Laundry Accessories			10 28

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0120	Receptacles (10 28 13 13-0001)		
10 28 13 13-0121	Wall Mounted Waste Receptacles (10 28 13 13-0120)		
10 28 13 13-0122	EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	113.31	25.88
10 28 13 13-0123	EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	193.25	25.88
10 28 13 13-0124	EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	447.27	57.52
10 28 13 13-0125	EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	672.31	57.52
10 28 13 13-0126	EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	528.83	57.52
10 28 13 13-0127	Floor-Standing/Counter Waste Receptacles (10 28 13 13-0120)		
10 28 13 13-0128	EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	135.16	25.88
10 28 13 13-0129	EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	196.91	25.88
10 28 13 13-0130	EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	386.06	11.50
10 28 13 13-0131	EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	586.48	11.50
10 28 13 13-0132	EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	549.13	11.50
10 28 13 13-0133	EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	527.89	11.50
10 28 13 13-0134	Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0120)		
10 28 13 13-0135	EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	367.38	57.52
10 28 13 13-0136	EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	601.39	57.52
10 28 13 13-0137	EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	592.08	57.52
10 28 13 13-0138	EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	868.55	57.52
10 28 13 13-0139	EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,202.34	57.52
10 28 13 13-0140	EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	1,013.52	57.52
10 28 13 13-0141	EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	777.20	57.52
10 28 13 13-0142	EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,269.85	57.52
10 28 13 13-0143	EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,171.18	63.28
10 28 13 13-0144	EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	781.02	63.28
10 28 13 13-0145	Sanitary Napkin/Tampon Receptacles (10 28 13 13-0120)		
10 28 13 13-0146	EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	103.12	28.76
10 28 13 13-0147	EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	212.93	28.76
10 28 13 13-0148	EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	232.29	28.76
10 28 13 13-0149	EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	552.53	28.76
10 28 13 13-0150	EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	289.54	28.76
10 28 13 13-0151	EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	512.92	28.76
10 28 13 13-0152	Grab Bars (10 28 13 13-0001)		
10 28 13 13-0153	1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0152) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0154	EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12)	104.96	23.00
	For Peened Grip, Add	5.82	
10 28 13 13-0155	EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	121.50	23.00
	For Peened Grip, Add	7.31	
10 28 13 13-0156	EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	123.17	23.00
	For Peened Grip, Add	7.46	
10 28 13 13-0157	EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	123.95	23.00
	For Peened Grip, Add	7.53	
10 28 13 13-0158	EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	124.16	23.00
	For Peened Grip, Add	7.55	
10 28 13 13-0159	EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	128.16	23.00
	For Peened Grip, Add	7.91	
10 28 13 13-0160	EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	134.47	23.00
	For Peened Grip, Add	8.48	
10 28 13 13-0161	EA 36" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641275)	138.88	26.16
10 28 13 13-0162	EA 42" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641277)	142.35	26.16
10 28 13 13-0163	1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0152) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0164	EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	206.83	23.00
	For Peened Grip, Add	14.47	
10 28 13 13-0165	EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	211.15	23.00
	For Peened Grip, Add	14.86	

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0166	1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0152) Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0167	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	120.12	23.00
		For Peened Grip, Add	7.19	
10 28 13 13-0168	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	121.50	23.00
		For Peened Grip, Add	7.31	
10 28 13 13-0169	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	124.16	23.00
		For Peened Grip, Add	7.55	
10 28 13 13-0170	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	126.83	23.00
		For Peened Grip, Add	7.79	
10 28 13 13-0171	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	130.16	23.00
		For Peened Grip, Add	8.09	
10 28 13 13-0172	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	133.16	23.00
		For Peened Grip, Add	8.36	
10 28 13 13-0173	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	140.47	23.00
		For Peened Grip, Add	9.02	
10 28 13 13-0174	EA	36" Length, 1-1/2" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641279)	143.21	26.16
10 28 13 13-0175	1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0152) Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0176	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	188.83	23.00
		For Peened Grip, Add	12.85	
10 28 13 13-0177	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	203.17	23.00
		For Peened Grip, Add	14.14	
10 28 13 13-0178	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	176.19	23.00
		For Peened Grip, Add	11.72	
10 28 13 13-0179	1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0152) Note: Includes satin finish and mounting for swing up.			
10 28 13 13-0180	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	560.92	23.00
		For Peened Grip, Add	46.86	
10 28 13 13-0181	Shelves (10 28 13 13-0001)			
10 28 13 13-0182	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	137.32	25.88
10 28 13 13-0183	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	141.32	25.88
10 28 13 13-0184	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	159.63	25.88
10 28 13 13-0185	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	164.23	25.88
10 28 13 13-0186	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	156.98	25.88
10 28 13 13-0187	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	159.15	25.88
10 28 13 13-0188	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	169.95	25.88
10 28 13 13-0189	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	185.59	25.88
10 28 13 13-0190	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	218.65	25.88
10 28 13 13-0191	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	170.28	25.88
10 28 13 13-0192	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683)	173.61	25.88
10 28 13 13-0193	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	180.13	25.88
10 28 13 13-0194	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	191.35	25.88
10 28 13 13-0195	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	208.66	25.88
10 28 13 13-0196	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	255.75	25.88
10 28 13 13-0197	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	341.55	25.88
10 28 13 13-0198	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	160.14	25.88
10 28 13 13-0199	Changing Stations (10 28 13 13-0001)			
10 28 13 13-0200	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	520.86	34.52
10 28 13 13-0201	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	553.00	34.52
10 28 13 13-0202	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	453.47	34.52
10 28 13 13-0203	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	2,256.18	34.52
10 28 13 13-0204	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,649.78	34.52
10 28 13 13-0205	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	2,256.18	34.52
10 28 13 13-0206	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,649.78	34.52
10 28 13 13-0207	Folding Shower Seats (10 28 13 13-0001)			
10 28 13 13-0208	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	649.61	46.02
10 28 13 13-0209	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	859.34	46.02
10 28 13 13-0210	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,930.31	46.02
10 28 13 13-0211	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,946.26	
10 28 13 13-0212	Soap/Dish Holders (10 28 13 13-0001)			
10 28 13 13-0213	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	66.18	25.88
10 28 13 13-0214	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	68.50	25.88
10 28 13 13-0215	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	124.87	25.88
10 28 13 13-0216	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	136.52	25.88



Specialties		10	10
Interior Specialties		10 20	
Toilet, Bath, and Laundry Accessories		10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0217 Shower Curtains/Curtain Rods (10 28 13 13-0001)		
10 28 13 13-0218 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.33	1.15
10 28 13 13-0219 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	56.63	11.50
Note: Requires 7 curtain hooks.		
10 28 13 13-0220 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	59.47	11.50
Note: Requires 12 curtain hooks.		
10 28 13 13-0221 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	98.71	25.88
10 28 13 13-0222 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	106.04	25.88
10 28 13 13-0223 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	115.02	25.88
10 28 13 13-0224 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	126.01	25.88
10 28 13 13-0225 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	86.06	25.88
10 28 13 13-0226 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	94.72	25.88
10 28 13 13-0227 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	99.71	25.88
10 28 13 13-0228 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	106.04	25.88
10 28 13 13-0229 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	89.72	25.88
10 28 13 13-0230 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	97.04	25.88
10 28 13 13-0231 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	105.69	25.88
10 28 13 13-0232 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	111.69	25.88
10 28 13 13-0233 Hand Dryers (10 28 13 13-0001)		
10 28 13 13-0234 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	623.88	34.43
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	672.79	34.43
10 28 13 13-0236 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	746.71	34.43
10 28 13 13-0237 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	1,062.22	34.43
10 28 13 13-0238 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	576.99	34.43
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	635.18	34.43
10 28 13 13-0240 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,165.04	34.43
10 28 13 13-0241 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,253.22	34.43
10 28 13 13-0242 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,347.28	34.43
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	712.39	34.43
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120)	559.01	34.43
10 28 13 13-0245 EA Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V)	642.64	34.43
10 28 13 13-0246 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA)	557.07	34.43
10 28 13 13-0247 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA)	589.15	34.43
10 28 13 13-0248 EA Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA)	673.62	34.43
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,858.18	34.43
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,124.17	34.43
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	1,375.71	34.43
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	1,452.31	34.43
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	1,496.07	34.43
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	1,539.84	34.43
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	1,627.37	34.43
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	1,113.12	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	1,189.71	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)	1,233.48	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	1,277.24	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	1,364.77	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,113.12	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,189.71	34.43
Note: Electronically adjustable sound and speed.		
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,233.48	34.43
Note: Electronically adjustable sound and speed.		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	1,277.24	34.43
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0265	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	1,364.77	34.43
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	806.76	34.43
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	883.35	34.43
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	927.11	34.43
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	970.88	34.43
10 28 13 13-0270	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	1,058.41	34.43
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	806.76	34.43
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	883.35	34.43
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	927.11	34.43
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	970.88	34.43
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,058.41	34.43
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	587.93	34.43
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	664.52	34.43
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	752.05	34.43
10 28 13 13-0279 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)				
		Note: With or without noise reduction nozzle options.		
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,143.71	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,607.99	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,340.86	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,674.77	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,441.03	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,774.95	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,441.03	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,774.95	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,340.86	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,674.77	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,207.29	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,541.20	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	1,143.71	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,607.99	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,340.86	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,674.77	34.43
		For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,441.03	34.43
		For ADA-Compliant Recess Kit, Add	177.65	



Specialties			10
Interior Specialties			10 20
Toilet, Bath, and Laundry Accessories			10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0297	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,774.95	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0298	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,441.03	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0299	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,774.95	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0300	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,340.86	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0301	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,674.77	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0302	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,207.29	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0303	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,541.20	34.43
			For ADA-Compliant Recess Kit, Add	177.65	
10 28 13 13-0304			Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0305			Hooks (10 28 13 13-0304)		
10 28 13 13-0306	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	33.99	11.50
10 28 13 13-0307	EA		Single Stainless Steel Robe Hook (Bobrick B-233)	41.31	11.50
10 28 13 13-0308	EA		Single Stainless Steel Robe Hook (Bobrick B-7671)	34.65	11.50
10 28 13 13-0309	EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	37.92	11.50
10 28 13 13-0310	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	65.27	11.50
10 28 13 13-0311	EA		Single Stainless Steel Robe Hook (Bobrick B-6717)	58.61	11.50
10 28 13 13-0312			Clotheslines (10 28 13 13-0304)		
10 28 13 13-0313	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	59.41	23.00
10 28 13 13-0314			Towel Bars (10 28 13 13-0304)		
10 28 13 13-0315	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	72.90	25.88
10 28 13 13-0316	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	73.15	25.88
10 28 13 13-0317	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	82.91	25.88
10 28 13 13-0318	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	83.84	25.88
10 28 13 13-0319	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	126.67	25.88
10 28 13 13-0320	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	132.32	25.88
10 28 13 13-0321	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	131.00	25.88
10 28 13 13-0322	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747).....	135.65	25.88
10 28 13 13-0323	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	143.99	25.88
10 28 13 13-0324	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	148.94	25.88
10 28 13 13-0325	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	107.70	25.88
10 28 13 13-0326	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	112.02	25.88
10 28 13 13-0327			Towel Bar With Shelf (10 28 13 13-0304)		
10 28 13 13-0328	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	253.17	25.88
10 28 13 13-0329			Towel Pins (10 28 13 13-0304)		
10 28 13 13-0330	EA		Stainless Steel Towel Pin (Bobrick B-677)	62.95	11.50
10 28 13 13-0331			Drinking Fountain Grab Bars (10 28 13 13)		
10 28 13 13-0332			1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars (10 28 13 13-0331)		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0333	EA		1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	551.67	75.93
10 28 13 13-0334	EA		1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	613.39	75.93
10 28 13 13-0335	EA		1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	727.56	75.93
10 28 13 13-0336	EA		1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	894.19	75.93
10 28 13 13-0337			1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars (10 28 13 13-0331)		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0338	EA		1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	579.44	75.93
10 28 13 13-0339	EA		1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	641.16	75.93
10 28 13 13-0340	EA		1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	761.51	75.93
10 28 13 13-0341	EA		1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	925.05	75.93
10 28 13 13-0342			1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar (10 28 13 13-0331)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0343	EA	33" Height x 18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick B-819298)	549.99	116.06	
Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.					
10 28 13 13-0344	EA	33" Height x 4" To <18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298)	591.73	116.06	
Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.					
10 28 13 13-0345	EA	33" Height x >18" To 26" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298)	615.42	116.06	
Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.					
10 28 13 13-0346		1-1/2" Diameter, Steel Drinking Fountain Grab Bars (10 28 13 13-0331)			
Note: Includes three wall and one floor concealed mounting with snap flange.					
10 28 13 13-0347	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	361.42	75.93	
10 28 13 13-0348		Mirrors (10 28 13 13)			
10 28 13 13-0349		Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0348)			
10 28 13 13-0350	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	124.92	28.76	
10 28 13 13-0351	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	142.76	28.76	
10 28 13 13-0352	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	148.94	28.76	
For Tempered Glass (B-1658), Add				51.91	
10 28 13 13-0353	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	161.62	28.76	
For Tempered Glass (B-1658), Add				60.79	
10 28 13 13-0354	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	177.88	28.76	
10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	184.72	28.76	
For Tempered Glass (B-1658), Add				76.96	
10 28 13 13-0356	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	229.60	28.76	
10 28 13 13-0357	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	266.36	28.76	
10 28 13 13-0358	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	322.53	28.76	
10 28 13 13-0359	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	407.84	28.76	
10 28 13 13-0360	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	459.67	28.76	
10 28 13 13-0361		Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0348)			
10 28 13 13-0362	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	238.05	28.76	
10 28 13 13-0363	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	257.24	28.76	
10 28 13 13-0364	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	269.93	28.76	
10 28 13 13-0365	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	305.71	28.76	
10 28 13 13-0366		Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0348)			
10 28 13 13-0367	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	211.02	28.76	
10 28 13 13-0368	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	232.20	28.76	
For Tempered Glass (B-2908), Add				103.90	
10 28 13 13-0369	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	239.35	28.76	
For Tempered Glass (B-2908), Add				108.62	
10 28 13 13-0370	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	281.64	28.76	
10 28 13 13-0371	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	283.26	28.76	
For Tempered Glass (B-2908), Add				137.60	
10 28 13 13-0372	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	381.16	28.76	
10 28 13 13-0373	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	449.46	28.76	
10 28 13 13-0374	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	513.22	28.76	
10 28 13 13-0375	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	339.60	28.76	
10 28 13 13-0376	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	415.60	28.76	
10 28 13 13-0377	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	640.42	28.76	
10 28 13 13-0378		Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0348)			
10 28 13 13-0379	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	218.43	28.76	



Specialties		10	10
Interior Specialties		10 20	
Toilet, Bath, and Laundry Accessories		10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0380 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	438.08	28.76
10 28 13 13-0381 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	459.56	28.76
10 28 13 13-0382 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	513.22	28.76
10 28 13 13-0383 Frameless Stainless Steel Mirrors (10 28 13 13-0348)		
10 28 13 13-0384 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	237.40	28.76
10 28 13 13-0385 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	309.27	28.76
10 28 13 13-0386 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0348)		
10 28 13 13-0387 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	325.54	28.76
10 28 13 13-0388 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	339.54	28.76
10 28 13 13-0389 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	412.72	28.76
10 28 13 13-0390 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	509.31	28.76
10 28 13 13-0391 Medicine Cabinets (10 28 13 13)		
10 28 13 13-0392 Metal Medicine Cabinets (10 28 13 13-0391)		
10 28 13 13-0393 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	252.55	57.52
10 28 13 13-0394 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)..... Note: Includes three adjustable plastic shelves.	283.33	57.52
10 28 13 13-0395 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	292.81	57.52
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0396 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	654.00	57.52
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0397 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	902.00	57.52
Note: Includes four adjustable shelves.		
10 28 13 13-0398 Janitorial Material (10 28 13 13)		
10 28 13 13-0399 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	58.61	11.50
10 28 13 13-0400 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	153.63	25.88
10 28 13 13-0401 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	147.65	25.88
10 28 13 13-0402 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	168.73	25.88
10 28 13 13-0403 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	189.59	25.88
10 28 13 13-0404 EA 36" Length, Utility Hook Strip (Gamco HCS-2)	124.24	25.88
10 28 13 13-0405 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	358.03	25.88
10 28 13 13-0406 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	518.83	25.88
10 28 13 13-0407 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)		
10 28 13 13-0408 EA Removal And Reinstallation Of Bathroom Accessory	35.96	
10 28 13 63 Detention Toilet Accessories (10 28 13)		
10 28 13 63-0001 Ligature Resistant, Toilet Accessories (10 28 13 63)		
10 28 13 63-0002 EA Recessed Mounted, White, Enviro-Glaze, Ligature Resistant, Toilet Paper Holder (Whitehall MFG WH1847).....	914.52	119.58
10 28 13 63-0003 Ligature Resistant, Mirrors (10 28 13 63)		
10 28 13 63-0004 EA 16" Width x 26" Height, Framed, Ligature Resistant, Solid Surface Infused Mirror (Whitehall WH1815-OCC11).....	676.44	26.16
10 28 13 63-0005 Ligature Resistant, Stainless Steel Grab Bar (10 28 13 63)		
10 28 13 63-0006 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	209.14	23.00
10 28 13 63-0007 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	218.70	23.00
10 28 13 63-0008 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	225.06	23.00
10 28 13 63-0009 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	249.46	23.00
10 28 13 63-0010 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	508.21	23.00
10 28 13 63-0011 EA 36" Length, 1-1/2" Diameter, Ligature Resistant, Satin Finish, Stainless Steel Grab Bar with Closure Plate (Whitehall WH1109-4)	511.91	26.16
10 28 16 Bath Accessories (10 28)		
10 28 16 13 Residential Bath Accessories (10 28 16)		
10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)		
10 28 16 13-0002 Residential Shower Curtain Rod (10 28 16 13-0001) Note: Includes end brackets. See CSI section 10 28 13 13-0217 for shower curtain rods.		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0003		Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0004	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	122.97	25.88
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish	180.80	25.88
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	192.55	25.88
10 28 16 13-0007	EA	Recessed Mounted, Chrome Plated Tumbler Holder	127.95	25.88
10 28 16 13-0008		Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Soap Dish	81.49	17.26
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Single Clothes Hook	94.60	17.26
10 28 16 13-0011	EA	Surface Mounted, Chrome Plated Double Clothes Hook	94.60	17.26
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	196.80	17.26
10 28 16 13-0013	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	163.82	17.26
10 28 16 13-0014	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	104.75	23.00
10 28 16 13-0015	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	106.22	23.00
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Towel Ring	78.26	17.26
10 28 16 13-0017	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	69.97	11.50
10 28 16 13-0018	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	81.49	17.26
10 28 16 13-0019	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	169.38	17.26
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	99.13	17.26
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Pin	105.06	11.50
10 28 16 13-0022	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	327.88	17.26
10 28 16 13-0023	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	157.39	17.26
10 28 16 13-0024	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	90.48	17.26
10 28 16 13-0025	EA	Surface Mounted, Chrome, Double Standard Toilet Tissue Holder (Frost 150)	131.07	26.16
10 28 16 13-0026	EA	Surface Mounted, Chrome, Standard Toilet Tissue Holder (Frost 146)	123.70	26.16
10 28 16 13-0027		Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0028	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	326.77	57.52
10 28 16 13-0029	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	417.32	57.52
10 28 16 13-0030	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	343.30	57.52
10 28 16 13-0031	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	439.87	57.52
10 28 16 13-0032	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	353.72	57.52
10 28 16 13-0033	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	459.67	57.52
10 28 16 13-0034	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	368.04	57.52
10 28 16 13-0035	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	483.88	57.52
10 28 16 13-0036		Residential Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0037	EA	Surface Mounted Plastic Paper Towel Dispenser	117.22	25.88
10 28 16 13-0038	EA	Surface Mounted Plastic Napkin Disposal	102.77	25.88
10 28 16 13-0039	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	107.87	
10 28 16 13-0040	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	123.17	25.88
10 28 16 13-0041	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	117.27	25.88
10 28 16 13-0042	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	143.69	31.64
10 28 16 13-0043	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	78.36	23.00
10 28 16 13-0044	EA	13 Gallon Plastic Waste Door For Countertops	281.79	43.14
10 28 19		Tub and Shower Enclosures (10 28)		
10 28 19 16		Shower Doors (10 28 19)		
10 28 19 16-0001		Swinging Shower Doors (10 28 19 16)		
10 28 19 16-0002		Framed, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	625.16	60.31
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	658.21	30.16
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	795.32	30.16
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	654.69	30.16
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	701.51	30.16
10 28 19 16-0008		Frameless, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	977.82	30.16
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	1,023.64	30.16
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	1,066.77	30.16
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,112.60	30.16
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,157.07	30.16



		Specialties	10
		Interior Specialties	10 20
		Toilet, Bath, and Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)		
10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	1,062.65	30.16
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	969.91	30.16
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	994.89	30.16
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	1,021.45	30.16
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	1,036.28	30.16
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	1,058.22	30.16
10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0023 EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,103.26	30.16
10 28 19 16-0024 EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,355.53	30.16
10 28 19 16-0025 EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,440.45	30.16
10 28 19 16-0026 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,296.41	30.16
10 28 19 16-0027 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,315.00	30.16
10 28 19 16-0028 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,487.79	30.16
10 28 19 19 Tub Doors (10 28 19)		
10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)		
10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	942.03	30.16
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	952.72	30.16
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	976.88	30.16
10 30 Fireplaces and Stoves (10)		
10 31 Manufactured Fireplaces (10 30)		
10 31 13 Manufactured Fireplace Chimneys (10 31)		
See CSI section 23 51 00 00-0000 for chimneys.		
10 31 16 Manufactured Fireplace Forms (10 31)		
10 31 16 00-0001 Prefabricated Fireplaces (10 31 16)		
Note: Listed by screen width.		
10 31 16 00-0002 Radiant Heat Fireplace Inserts (10 31 16 00-0001)		
Note: Includes insert, screen, grate and vent connection.		
10 31 16 00-0003 EA 38" Wide Radiant Heat, Open Front Fireplace Insert.....	1,663.24	279.10
For Circulating Heat Fireplace, Add	60.78	
10 31 16 00-0004 EA 43" Wide Radiant Heat, Open Front Fireplace Insert.....	1,767.17	287.73
For Circulating Heat Fireplace, Add	65.54	
10 31 16 00-0005 EA 48" Wide Radiant Heat, Open Front Fireplace Insert.....	1,904.29	302.12
For Circulating Heat Fireplace, Add	71.50	
10 31 16 00-0006 Radiant Heat Natural Gas Fireplace (10 31 16 00-0001)		
Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.		
10 31 16 00-0007 EA 32" Wide Radiant Heat Natural Gas Fireplace.....	2,194.96	279.10
For Circulating Heat Fireplace, Add	90.02	
For Remote Ignition, Add	81.84	
10 31 16 00-0008 EA 36" Wide Radiant Heat Natural Gas Fireplace.....	2,333.37	287.73
For Circulating Heat Fireplace, Add	96.69	
For Remote Ignition, Add	87.90	
10 31 16 00-0009 Vent Free Radiant Heat Natural Gas Fireplace (10 31 16 00-0001)		
Note: Includes insert, screen, and gas logs. Units are remote ready.		
10 31 16 00-0010 EA 26" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,390.13	241.69
For Circulating Heat Fireplace, Add	104.87	
For Remote Ignition, Add	95.34	

10 Specialties**10 30 Fireplaces and Stoves****10 31 Manufactured Fireplaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 31 16 00-0011 EA 32" Wide Vent Free Radiant Heat Natural Gas Fireplace <i>For Circulating Heat Fireplace, Add</i> <i>For Remote Ignition, Add</i>	2,667.91 118.25 107.50	258.96
10 31 16 00-0012 EA 36" Wide Vent Free Radiant Heat Natural Gas Fireplace <i>For Circulating Heat Fireplace, Add</i> <i>For Remote Ignition, Add</i>	2,974.70 131.96 119.96	287.73
10 31 16 00-0013 EA 42" Wide Vent Free Radiant Heat Natural Gas Fireplace <i>For Circulating Heat Fireplace, Add</i> <i>For Remote Ignition, Add</i>	3,379.05 151.67 137.88	310.75

10 32 Fireplace Specialties (10 30)**10 32 16 Fireplace Inserts** (10 32)**10 32 16 00-0001 Gas Log Inserts, Vented** (10 32 16)

Note: Manual controlled.

10 32 16 00-0002 EA 15", 4 Log Set Gas Log Insert.....	760.14	120.66
10 32 16 00-0003 EA 18", 6 Log Set Gas Log Insert.....	934.92	120.66
10 32 16 00-0004 EA 21", 6 Log Set Gas Log Insert.....	985.96	120.66
10 32 16 00-0005 EA 24", 6 or 7 Log Set Gas Log Insert.....	1,037.00	120.66
10 32 16 00-0006 EA 30", 7 or 8 Log Set Gas Log Insert.....	1,318.89	120.66
10 32 16 00-0007 EA 36", 8 to 11 Log Set Gas Log Insert.....	1,553.21	120.66

10 32 19 Fireplace Screens (10 32)**10 32 19 00-0001 Screens, Mounted** (10 32 19)

10 32 19 00-0002 EA Black Powder Coated Steel Screen And Frame	172.56	
Note: Fits Heights between 18" to 27" and widths up to 42".		
10 32 19 00-0003 EA Stainless Steel Screen And Frame	293.04	
Note: Fits Heights between 18" to 27" and widths up to 42".		

10 32 23 Fireplace Doors (10 32)**10 32 23 00-0001 Glass Doors, Bi-Fold** (10 32 23)

Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.

10 32 23 00-0002 EA 29" To 32" Wide Glass Fireplace Door, 25" To 32" Height	1,312.85	78.46
Note: Includes 1/4" tempered glass.		
<i>For Wire Mesh Screen, Add</i>	96.00	
<i>For Wire Mesh Door, Add</i>	152.00	
10 32 23 00-0003 EA 32" To 35" Wide Glass Fireplace Door, 25" To 32" Height	1,433.23	78.46
Note: Includes 1/4" tempered glass.		
<i>For Wire Mesh Screen, Add</i>	96.00	
<i>For Wire Mesh Door, Add</i>	152.00	
10 32 23 00-0004 EA 35" To 38" Wide Glass Fireplace Door, 25" To 32" Height	1,529.53	78.46
Note: Includes 1/4" tempered glass.		
<i>For Wire Mesh Screen, Add</i>	96.00	
<i>For Wire Mesh Door, Add</i>	152.00	
10 32 23 00-0005 EA 38" To 43" Wide Glass Fireplace Door, 25" To 32" Height	1,645.09	78.46
Note: Includes 1/4" tempered glass.		
<i>For Wire Mesh Screen, Add</i>	96.00	
<i>For Wire Mesh Door, Add</i>	152.00	

10 32 23 00-0006 Chimney Dampers / Chimalator (10 32 23)

Note: Stainless steel top sealing damper cap.

10 32 23 00-0007 EA 8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	701.64	22.97
10 32 23 00-0008 EA 8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	728.54	24.44
10 32 23 00-0009 EA 8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	947.13	27.85
10 32 23 00-0010 EA 8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,014.62	27.85
10 32 23 00-0011 EA 10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,069.83	34.94
10 32 23 00-0012 EA 12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	817.35	34.94
10 32 23 00-0013 EA 12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	1,025.02	41.91
10 32 23 00-0014 EA 13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	817.35	34.94
10 32 23 00-0015 EA 13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,025.02	41.91
10 32 23 00-0016 EA 13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,313.39	41.91
10 32 23 00-0017 EA 16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	1,165.11	58.65
10 32 23 00-0018 EA 16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,447.34	58.65
10 32 23 00-0019 EA 18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,215.87	61.71
10 32 23 00-0020 EA 18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,534.73	61.71
10 32 23 00-0021 EA 20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,649.71	65.13
10 32 23 00-0022 EA 20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,782.65	65.13
10 32 23 00-0023 EA 24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,896.62	69.03

10 40 Safety Specialties (10)**10 41 Emergency Access And Information Cabinets** (10 40)**10 41 13 Fire Department Plan Cabinets** (10 41)



Specialties			10
Safety Specialties			10 40
Emergency Access And Information Cabinets			10 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0001			Fire Department Plan Cabinets (Knox) (10 41 13)		
10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,796.67	37.39
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	59.29	
			For Swing Key Hook Panel, Add	158.29	
			For Non-Locking Weather Housing, Add	397.86	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,905.78	37.39
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	59.29	
			For Swing Key Hook Panel, Add	158.29	
			For Second Swing Key Hook Panel, Add	125.29	
			For Non-Locking Weather Housing, Add	397.86	
10 41 16			Emergency Key Cabinets (10 41)		
10 41 16 00-0001			Emergency Key Cabinets (Knox) (10 41 16)		
10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	891.01	37.39
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	781.89	37.39
			For Lift-Off Door, Deduct	-40.00	
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	61.44	
			For Cast-In-Place Concrete Recess Mounting, Add	119.00	
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	1,049.23	37.39
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	61.44	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,117.42	37.39
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	61.44	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	135.00	
10 44			Fire Protection Specialties (10 40)		
10 44 13			Fire Protection Cabinets (10 44)		
10 44 13 00-0001			Fire Extinguisher Cabinets (10 44 13)		
10 44 13 00-0002			Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0003			Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
			Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0004	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	339.62	47.17
10 44 13 00-0005	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	344.21	47.17
10 44 13 00-0006	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	345.13	47.17
10 44 13 00-0007	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	373.59	47.17
10 44 13 00-0008	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	447.95	47.17
10 44 13 00-0009	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	458.05	47.17
10 44 13 00-0010			Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
			Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0011	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	342.63	47.17
10 44 13 00-0012	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	346.87	47.17
10 44 13 00-0013	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	353.93	47.17
10 44 13 00-0014	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	365.94	47.17
10 44 13 00-0015	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	402.93	47.17
10 44 13 00-0016	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	414.23	47.17
10 44 13 00-0017			Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
			Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	554.50	47.17
10 44 13 00-0019	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	568.99	47.17
10 44 13 00-0020	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	576.24	47.17
10 44 13 00-0021	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	625.76	47.17
10 44 13 00-0022	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	725.57	47.17
10 44 13 00-0023	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	755.77	47.17

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0024			Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,730.21	47.17
10 44 13 00-0026	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,743.38	47.17
10 44 13 00-0027	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	2,011.87	47.17
10 44 13 00-0028			Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA		10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	399.29	47.17
10 44 13 00-0030	EA		14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	434.18	47.17
10 44 13 00-0031			Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0032			Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	364.41	47.17
10 44 13 00-0034	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	373.59	47.17
10 44 13 00-0035	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	374.51	47.17
10 44 13 00-0036	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	405.72	47.17
10 44 13 00-0037	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	468.15	47.17
10 44 13 00-0038	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	478.25	47.17
10 44 13 00-0039			Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	373.97	47.17
10 44 13 00-0041	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	384.56	47.17
10 44 13 00-0042	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	390.92	47.17
10 44 13 00-0043	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	402.93	47.17
10 44 13 00-0044	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	444.60	47.17
10 44 13 00-0045	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	454.49	47.17
10 44 13 00-0046			Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	618.07	47.17
10 44 13 00-0048	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	634.98	47.17
10 44 13 00-0049	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	642.22	47.17
10 44 13 00-0050	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	679.67	47.17
10 44 13 00-0051	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	772.68	47.17
10 44 13 00-0052	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	793.21	47.17
10 44 13 00-0053			Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,199.20	47.17
10 44 13 00-0055	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,210.25	47.17
10 44 13 00-0056	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,543.74	47.17
10 44 13 00-0057			Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA		10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	432.34	47.17
10 44 13 00-0059	EA		14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	465.39	47.17
10 44 13 00-0060			Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061			Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	357.06	47.17
10 44 13 00-0063	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	362.57	47.17
10 44 13 00-0064	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	406.64	47.17
10 44 13 00-0065	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	460.80	47.17
10 44 13 00-0066	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	475.49	47.17
10 44 13 00-0067			Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	441.07	47.17
10 44 13 00-0069	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	450.25	47.17
10 44 13 00-0070	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	470.74	47.17
10 44 13 00-0071	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	511.00	47.17
10 44 13 00-0072	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	527.95	47.17



Specialties			10
Safety Specialties			10 40
Fire Protection Specialties			10 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets^(10 44 13 00-0060)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	723.15	47.17
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	746.11	47.17
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	802.88	47.17
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	912.80	47.17
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	946.62	47.17
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets^(10 44 13 00-0060)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,533.33	47.17
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,864.27	47.17
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets^(10 44 13 00-0060)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	412.15	47.17
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	452.54	47.17
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	593.92	47.17
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories^(10 44 13 00-0001)		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	35.81	14.38
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	33.34	14.38
10 44 13 00-0089 EA Replacement Of Standard Pull Handle.....	31.84	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	89.23	28.76
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	244.09	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	268.50	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	366.14	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	500.38	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	585.82	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	141.57	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	146.45	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	195.27	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	353.93	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	358.81	
10 44 13 00-0101 EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	77.04	
10 44 13 00-0102 EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	80.89	
10 44 13 00-0103 EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	109.14	
10 44 13 00-0104 EA Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	192.60	
10 44 13 00-0105 EA Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	195.17	
10 44 13 00-0106 Fire Hose Cabinets^(10 44 13)		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets^(10 44 13 00-0106)		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets^(10 44 13 00-0107)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	697.17	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	709.46	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	719.70	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	729.95	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	742.23	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	774.98	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	785.23	166.38
For Solid Steel Door, Deduct		-8.60
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets^(10 44 13 00-0107)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	753.92	166.38
For Solid Aluminum Door, Add		6.50
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	773.72	166.38
For Solid Aluminum Door, Add		6.50

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	776.29	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	784.52	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	795.32	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	825.91	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	856.51	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	988.82	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,091.26	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,101.12	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,132.64	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,142.49	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,193.71	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,244.94	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	729.95	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	742.23	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	752.45	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	764.74	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	774.98	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	807.73	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	820.01	166.38
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	773.72	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	795.32	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	798.40	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	804.32	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	815.11	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	845.71	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	876.31	166.38
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0149 Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)		
Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,049.89	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,162.19	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,172.04	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,203.56	166.38
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,213.41	166.38
For Solid Stainless Steel Door, Deduct	-7.70	



Specialties			10
Safety Specialties			10 40
Fire Protection Specialties			10 44

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0155	EA		30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,264.64 -7.70	166.38
10 44 13 00-0156	EA		38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,315.86 -7.70	166.38
10 44 13 00-0157			Surface Mount Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	742.23 -8.60	166.38
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	752.45 -8.60	166.38
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	764.74 -8.60	166.38
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	774.98 -8.60	166.38
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	785.23 -8.60	166.38
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	820.01 -8.60	166.38
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	830.26 -8.60	166.38
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	825.91 6.50	166.38
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	845.71 6.50	166.38
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	850.85 6.50	166.38
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	856.51 6.50	166.38
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	865.51 6.50	166.38
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	897.91 6.50	166.38
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	917.71 6.50	166.38
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,132.64 -7.70	166.38
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,459.69 -7.70	166.38
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,542.43 -7.70	166.38
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,562.13 -7.70	166.38
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,581.84 -7.70	166.38
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,664.58 -7.70	166.38
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,767.03 -7.70	166.38
10 44 16			Fire Extinguishers (10 44)		
10 44 16 13			Portable Fire Extinguishers (10 44 16)		
			Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001			Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)		
10 44 16 13-0002	EA		2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	171.87 -4.76 -9.52 -38.35	14.95
10 44 16 13-0003	EA		5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	245.79 -7.86 -15.73 -44.25	17.26
10 44 16 13-0004	EA		10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	319.68 -10.23 -20.46 -57.52	21.86

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	394.09	27.61
		For >5 To 10, Deduct	-12.51	
		For >10, Deduct	-25.03	
		For Placement In Cabinet, Deduct	-71.90	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	434.98	27.61
		For >5 To 10, Deduct	-14.56	
		For >10, Deduct	-29.12	
		For Placement In Cabinet, Deduct	-71.90	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,345.35	43.71
		For >5 To 10, Deduct	-55.76	
		For >10, Deduct	-111.53	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,588.41	43.71
		For >5 To 10, Deduct	-117.92	
		For >10, Deduct	-235.83	
10 44 16 13-0009		Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)		
10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	112.99	14.95
		For >5 To 10, Deduct	-1.81	
		For >10, Deduct	-3.63	
		For Placement In Cabinet, Deduct	-38.35	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	139.96	17.26
		For >5 To 10, Deduct	-2.57	
		For >10, Deduct	-5.15	
		For Placement In Cabinet, Deduct	-44.25	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	196.97	21.86
		For >5 To 10, Deduct	-4.10	
		For >10, Deduct	-8.19	
		For Placement In Cabinet, Deduct	-57.52	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	272.75	27.61
		For >5 To 10, Deduct	-6.45	
		For >10, Deduct	-12.90	
		For Placement In Cabinet, Deduct	-71.90	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,602.48	43.71
		For >5 To 10, Deduct	-68.62	
		For >10, Deduct	-137.24	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,354.10	43.71
		For >5 To 10, Deduct	-106.20	
		For >10, Deduct	-212.40	
10 44 16 13-0016		Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher	194.05	17.26
		Note: Stainless steel.		
		For >5 To 10, Deduct	-5.28	
		For >10, Deduct	-10.56	
		For Placement In Cabinet, Deduct	-44.25	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher	296.14	27.61
		Note: Stainless steel.		
		For >5 To 10, Deduct	-7.62	
		For >10, Deduct	-15.23	
		For Placement In Cabinet, Deduct	-71.90	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher	312.73	27.61
		Note: Stainless steel.		
		For >5 To 10, Deduct	-8.45	
		For >10, Deduct	-16.89	
		For Placement In Cabinet, Deduct	-71.90	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher	427.38	27.61
		Note: Yellow steel.		
		For >5 To 10, Deduct	-14.18	
		For >10, Deduct	-28.36	
10 44 16 13-0021		Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0022		Fire Extinguisher Backboards (10 44 16 13-0021)		
		Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	121.25	19.71
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size	173.87	
		Note: Includes storage and cleaning.		
10 44 16 13-0025		Inspections And Testing (10 44 16 13)		
10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.61	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	11.19	
10 44 19		Fire Blankets (10 44)		
10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)	383.72	47.17
		Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB)	296.51	47.17
		Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		



			Specialties	10	10
			Safety Specialties	10 40	
			Photoluminescent Exit Specialties	10 45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 45 Photoluminescent Exit Specialties ^(10 40)

10 45 00 00-0001			Photoluminescent Illuminated Egress Markings ^(10 45)		
10 45 00 00-0002	LF		1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors..... Note: Peel and stick.	10.00	
			For Wall Applied, Add	1.05	
10 45 00 00-0003	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.58	
			For Wall Applied, Add	1.05	
10 45 00 00-0004	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors..... Note: Peel and stick.	11.16	
			For Wall Applied, Add	1.05	
10 45 00 00-0005	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	10.59	
			For Wall Applied, Add	1.05	
10 45 00 00-0006	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	11.75	
			For Wall Applied, Add	1.05	
10 45 00 00-0007	LF		1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	12.48	
			For Wall Applied, Add	1.05	
10 45 00 00-0008	EA		1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors..... Note: Self adhesive, high bond foam backing.	54.37	
10 45 00 00-0009	EA		1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	53.60	

10 50 Storage Specialties ⁽¹⁰⁾

10 51 Lockers ^(10 50)

10 51 13 Metal Lockers ^(10 51)

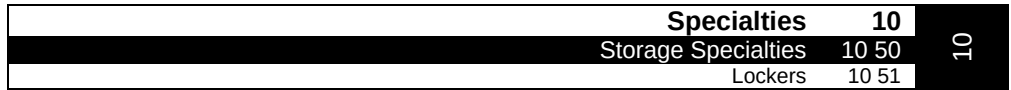
10 51 13 00-0001			Institutional And Corridor Lockers ^(10 51 13) Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002			Single Tier Institutional Or Corridor Locker ^(10 51 13 00-0001) Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA		12" x 12" x 48" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	293.65 -11.12 -23.30 -35.49 17.79	35.66
10 51 13 00-0004	EA		12" x 15" x 48" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	302.45 -11.56 -24.18 -36.81 18.49	35.66
10 51 13 00-0005	EA		12" x 18" x 48" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	311.24 -12.00 -25.06 -38.13 19.19	35.66
10 51 13 00-0006	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	277.56 -10.31 -21.69 -33.07 16.50	35.66
10 51 13 00-0007	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	288.48 -10.86 -22.78 -34.71 17.37	35.66
10 51 13 00-0008	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	303.42 -11.60 -24.28 -36.95 18.57	35.66
10 51 13 00-0009	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	302.53 -11.45 -23.99 -36.54 18.31	36.81
10 51 13 00-0010	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	311.59 -11.90 -24.90 -37.90 19.04	36.81
10 51 13 00-0011	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	320.42 -12.34 -25.78 -39.23 19.74	36.81

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0012	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	335.66	36.81
			For >25 To 50, Deduct	-13.10	
			For >50 To 100, Deduct	-27.31	
			For >100, Deduct	-41.51	
			For 14 Gauge Doors, Add	20.96	
10 51 13 00-0013	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	350.76	36.81
			For >25 To 50, Deduct	-13.86	
			For >50 To 100, Deduct	-28.82	
			For >100, Deduct	-43.78	
			For 14 Gauge Doors, Add	22.17	
10 51 13 00-0014	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	366.73	36.81
			For >25 To 50, Deduct	-14.66	
			For >50 To 100, Deduct	-30.41	
			For >100, Deduct	-46.17	
			For 14 Gauge Doors, Add	23.45	
10 51 13 00-0015	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	381.49	36.81
			For >25 To 50, Deduct	-15.39	
			For >50 To 100, Deduct	-31.89	
			For >100, Deduct	-48.39	
			For 14 Gauge Doors, Add	24.63	
10 51 13 00-0016	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	516.31	36.81
			For >25 To 50, Deduct	-22.13	
			For >50 To 100, Deduct	-45.37	
			For >100, Deduct	-68.61	
			For 14 Gauge Doors, Add	35.41	
10 51 13 00-0017			Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	328.03	36.81
			For >25 To 50, Deduct	-12.72	
			For >50 To 100, Deduct	-26.54	
			For >100, Deduct	-40.37	
			For 14 Gauge Doors, Add	27.98	
10 51 13 00-0019	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	334.92	36.81
			For >25 To 50, Deduct	-13.06	
			For >50 To 100, Deduct	-27.23	
			For >100, Deduct	-41.40	
			For 14 Gauge Doors, Add	28.74	
10 51 13 00-0020	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	341.86	36.81
			For >25 To 50, Deduct	-13.41	
			For >50 To 100, Deduct	-27.93	
			For >100, Deduct	-42.44	
			For 14 Gauge Doors, Add	29.51	
10 51 13 00-0021	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	342.98	37.97
			For >25 To 50, Deduct	-13.35	
			For >50 To 100, Deduct	-27.84	
			For >100, Deduct	-42.33	
			For 14 Gauge Doors, Add	29.37	
10 51 13 00-0022	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	358.03	37.97
			For >25 To 50, Deduct	-14.10	
			For >50 To 100, Deduct	-29.35	
			For >100, Deduct	-44.59	
			For 14 Gauge Doors, Add	31.03	
10 51 13 00-0023	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	367.12	37.97
			For >25 To 50, Deduct	-14.56	
			For >50 To 100, Deduct	-30.26	
			For >100, Deduct	-45.96	
			For 14 Gauge Doors, Add	32.03	
10 51 13 00-0024	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	380.14	37.97
			For >25 To 50, Deduct	-15.21	
			For >50 To 100, Deduct	-31.56	
			For >100, Deduct	-47.91	
			For 14 Gauge Doors, Add	33.46	
10 51 13 00-0025	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	393.21	37.97
			For >25 To 50, Deduct	-15.86	
			For >50 To 100, Deduct	-32.87	
			For >100, Deduct	-49.87	
			For 14 Gauge Doors, Add	34.90	
10 51 13 00-0026	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	452.39	37.97
			For >25 To 50, Deduct	-18.82	
			For >50 To 100, Deduct	-38.78	
			For >100, Deduct	-58.75	
			For 14 Gauge Doors, Add	41.41	
10 51 13 00-0027	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	463.14	37.97
			For >25 To 50, Deduct	-19.36	
			For >50 To 100, Deduct	-39.86	
			For >100, Deduct	-60.36	
			For 14 Gauge Doors, Add	42.59	

10 51 13 00-0028 Three Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one double hook per tier.



2026 copyright 2026 The Gordian Group, Inc.
San Bernardino County, Demolition and Abatement **Page 10 - 105**

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0051	EA		15" x 15" x 60" Single Tier Athletic Locker	440.64	36.81
			For >25 To 50, Deduct	-18.35	
			For >50 To 100, Deduct	-37.81	
			For >100, Deduct	-57.26	
10 51 13 00-0052	EA		15" x 18" x 60" Single Tier Athletic Locker	456.11	36.81
			For >25 To 50, Deduct	-19.12	
			For >50 To 100, Deduct	-39.35	
			For >100, Deduct	-59.58	
10 51 13 00-0053	EA		18" x 18" x 60" Single Tier Athletic Locker	522.86	36.81
			For >25 To 50, Deduct	-22.46	
			For >50 To 100, Deduct	-46.03	
			For >100, Deduct	-69.59	
10 51 13 00-0054	EA		18" x 21" x 60" Single Tier Athletic Locker	575.93	36.81
			For >25 To 50, Deduct	-25.12	
			For >50 To 100, Deduct	-51.33	
			For >100, Deduct	-77.55	
10 51 13 00-0055	EA		18" x 24" x 60" Single Tier Athletic Locker	612.23	36.81
			For >25 To 50, Deduct	-26.93	
			For >50 To 100, Deduct	-54.96	
			For >100, Deduct	-83.00	
10 51 13 00-0056	EA		12" x 15" x 72" Single Tier Athletic Locker	432.91	36.81
			For >25 To 50, Deduct	-17.96	
			For >50 To 100, Deduct	-37.03	
			For >100, Deduct	-56.10	
10 51 13 00-0057	EA		12" x 18" x 72" Single Tier Athletic Locker	459.02	36.81
			For >25 To 50, Deduct	-19.27	
			For >50 To 100, Deduct	-39.64	
			For >100, Deduct	-60.02	
10 51 13 00-0058	EA		15" x 15" x 72" Single Tier Athletic Locker	468.20	36.81
			For >25 To 50, Deduct	-19.73	
			For >50 To 100, Deduct	-40.56	
			For >100, Deduct	-61.39	
10 51 13 00-0059	EA		15" x 18" x 72" Single Tier Athletic Locker	484.96	36.81
			For >25 To 50, Deduct	-20.57	
			For >50 To 100, Deduct	-42.24	
			For >100, Deduct	-63.91	
10 51 13 00-0060	EA		18" x 18" x 72" Single Tier Athletic Locker	526.28	36.81
			For >25 To 50, Deduct	-22.63	
			For >50 To 100, Deduct	-46.37	
			For >100, Deduct	-70.11	
10 51 13 00-0061	EA		18" x 21" x 72" Single Tier Athletic Locker	569.59	36.81
			For >25 To 50, Deduct	-24.80	
			For >50 To 100, Deduct	-50.70	
			For >100, Deduct	-76.60	
10 51 13 00-0062			Two Tier Athletic Locker (10 51 13 00-0047)		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063	EA		12" x 12" x 60" Two Tier Athletic Locker	467.54	37.97
			For >25 To 50, Deduct	-19.58	
			For >50 To 100, Deduct	-40.30	
			For >100, Deduct	-61.02	
10 51 13 00-0064	EA		12" x 15" x 60" Two Tier Athletic Locker	482.97	37.97
			For >25 To 50, Deduct	-20.35	
			For >50 To 100, Deduct	-41.84	
			For >100, Deduct	-63.33	
10 51 13 00-0065	EA		12" x 18" x 60" Two Tier Athletic Locker	500.33	37.97
			For >25 To 50, Deduct	-21.22	
			For >50 To 100, Deduct	-43.58	
			For >100, Deduct	-65.94	
10 51 13 00-0066	EA		15" x 15" x 60" Two Tier Athletic Locker	502.02	37.97
			For >25 To 50, Deduct	-21.30	
			For >50 To 100, Deduct	-43.75	
			For >100, Deduct	-66.19	
10 51 13 00-0067	EA		15" x 18" x 60" Two Tier Athletic Locker	505.64	37.97
			For >25 To 50, Deduct	-21.49	
			For >50 To 100, Deduct	-44.11	
			For >100, Deduct	-66.73	
10 51 13 00-0068	EA		18" x 18" x 60" Two Tier Athletic Locker	536.15	37.97
			For >25 To 50, Deduct	-23.01	
			For >50 To 100, Deduct	-47.16	
			For >100, Deduct	-71.31	
10 51 13 00-0069	EA		18" x 21" x 60" Two Tier Athletic Locker	558.50	37.97
			For >25 To 50, Deduct	-24.13	
			For >50 To 100, Deduct	-49.40	
			For >100, Deduct	-74.66	
10 51 13 00-0070	EA		18" x 24" x 60" Two Tier Athletic Locker	558.32	37.97
			For >25 To 50, Deduct	-29.12	
			For >50 To 100, Deduct	-59.38	
			For >100, Deduct	-89.64	
10 51 13 00-0071	EA		12" x 12" x 72" Two Tier Athletic Locker	484.24	37.97
			For >25 To 50, Deduct	-20.42	
			For >50 To 100, Deduct	-41.97	
			For >100, Deduct	-63.52	



Specialties			10
Storage Specialties			10 50
Lockers			10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0072 EA 12" x 15" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	500.04 -21.21 -43.55 -65.89	37.97
10 51 13 00-0073 EA 12" x 18" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	521.58 -22.28 -45.70 -69.12	37.97
10 51 13 00-0074 EA 15" x 15" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	524.85 -22.45 -46.03 -69.61	37.97
10 51 13 00-0075 EA 15" x 18" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	542.55 -23.33 -47.80 -72.27	37.97
10 51 13 00-0076 EA 18" x 18" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	564.30 -24.42 -49.98 -75.53	37.97
10 51 13 00-0077 EA 18" x 21" x 72" Two Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	613.10 -26.86 -54.86 -82.85	37.97
10 51 13 00-0078 Three Tier Athletic Locker (10 51 13 00-0047) Note: Includes one double hook per tier.		
10 51 13 00-0079 EA 12" x 12" x 60" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	506.99 -21.44 -44.05 -66.66	39.12
10 51 13 00-0080 EA 12" x 15" x 60" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	531.99 -22.69 -46.55 -70.41	39.12
10 51 13 00-0081 EA 12" x 18" x 60" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	554.10 -23.79 -48.76 -73.73	39.12
10 51 13 00-0082 EA 15" x 15" x 60" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	569.11 -24.54 -50.26 -75.98	39.12
10 51 13 00-0083 EA 15" x 18" x 60" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	594.11 -25.79 -52.76 -79.73	39.12
10 51 13 00-0084 EA 12" x 12" x 72" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	535.47 -22.86 -46.90 -70.93	39.12
10 51 13 00-0085 EA 12" x 15" x 72" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	558.05 -23.99 -49.16 -74.32	39.12
10 51 13 00-0086 EA 12" x 18" x 72" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	589.21 -25.55 -52.27 -78.99	39.12
10 51 13 00-0087 EA 15" x 15" x 72" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	605.16 -26.35 -53.87 -81.39	39.12
10 51 13 00-0088 EA 15" x 18" x 72" Three Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	629.09 -27.54 -56.26 -84.98	39.12
10 51 13 00-0089 Four Tier Athletic Locker (10 51 13 00-0047)		
10 51 13 00-0090 EA 12" x 12" x 60" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	466.65 -19.31 -39.82 -60.33	40.26
10 51 13 00-0091 EA 12" x 15" x 60" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	497.27 -20.84 -42.88 -64.93	40.26
10 51 13 00-0092 EA 12" x 18" x 60" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	527.90 -22.37 -45.94 -69.52	40.26

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker	540.41	40.26
		For >25 To 50, Deduct	-22.99	
		For >50 To 100, Deduct	-47.20	
		For >100, Deduct	-71.40	
10 51 13 00-0094	EA	15" x 18" x 60" Four Tier Athletic Locker	590.71	40.26
		For >25 To 50, Deduct	-25.51	
		For >50 To 100, Deduct	-52.23	
		For >100, Deduct	-78.94	
10 51 13 00-0095	EA	12" x 12" x 72" Four Tier Athletic Locker	497.81	40.26
		For >25 To 50, Deduct	-20.86	
		For >50 To 100, Deduct	-42.94	
		For >100, Deduct	-65.01	
10 51 13 00-0096	EA	12" x 15" x 72" Four Tier Athletic Locker	528.87	40.26
		For >25 To 50, Deduct	-22.42	
		For >50 To 100, Deduct	-46.04	
		For >100, Deduct	-69.67	
10 51 13 00-0097	EA	12" x 18" x 72" Four Tier Athletic Locker	559.93	40.26
		For >25 To 50, Deduct	-23.97	
		For >50 To 100, Deduct	-49.15	
		For >100, Deduct	-74.32	
10 51 13 00-0098	EA	15" x 15" x 72" Four Tier Athletic Locker	575.83	40.26
		For >25 To 50, Deduct	-24.76	
		For >50 To 100, Deduct	-50.74	
		For >100, Deduct	-76.71	
10 51 13 00-0099	EA	15" x 18" x 72" Four Tier Athletic Locker	587.77	40.26
		For >25 To 50, Deduct	-25.36	
		For >50 To 100, Deduct	-51.93	
		For >100, Deduct	-78.50	
10 51 13 00-0100		Six Tier Athletic Locker (10 51 13 00-0047)		
10 51 13 00-0101	EA	12" x 12" x 72" Six Tier Athletic Locker	552.34	41.42
		For >25 To 50, Deduct	-23.48	
		For >50 To 100, Deduct	-48.19	
		For >100, Deduct	-72.91	
10 51 13 00-0102	EA	12" x 15" x 72" Six Tier Athletic Locker	576.20	41.42
		For >25 To 50, Deduct	-24.67	
		For >50 To 100, Deduct	-50.58	
		For >100, Deduct	-76.49	
10 51 13 00-0103	EA	12" x 18" x 72" Six Tier Athletic Locker	600.02	41.42
		For >25 To 50, Deduct	-25.86	
		For >50 To 100, Deduct	-52.96	
		For >100, Deduct	-80.06	
10 51 13 00-0104	EA	12" x 21" x 72" Six Tier Athletic Locker	686.95	41.42
		For >25 To 50, Deduct	-30.21	
		For >50 To 100, Deduct	-61.65	
		For >100, Deduct	-93.10	
10 51 13 00-0105		Metal Locker Accessories (10 51 13)		
10 51 13 00-0106		Locker Slope Tops (10 51 13 00-0105)		
10 51 13 00-0107		16 Gauge Continuous Sloping Hood (10 51 13 00-0106)		
10 51 13 00-0108	LF	12" Deep, 16 Gauge Continuous Slope Top	34.65	4.60
10 51 13 00-0109	LF	15" Deep, 16 Gauge Continuous Slope Top	29.22	4.60
10 51 13 00-0110	LF	18" Deep, 16 Gauge Continuous Slope Top	40.21	4.60
10 51 13 00-0111	LF	21" Deep, 16 Gauge Continuous Slope Top	44.44	4.60
10 51 13 00-0112	LF	24" Deep, 16 Gauge Continuous Slope Top	46.42	4.60
10 51 13 00-0113		16 Gauge Slope Top Corner Fillers (10 51 13 00-0106)		
10 51 13 00-0114	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	143.75	4.60
10 51 13 00-0115	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	146.84	4.60
10 51 13 00-0116	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	149.90	4.60
10 51 13 00-0117	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	153.62	4.60
10 51 13 00-0118	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	157.30	4.60
10 51 13 00-0119		20 Gauge Individual Slope Top (10 51 13 00-0106)		
10 51 13 00-0120	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	29.76	4.60
10 51 13 00-0121	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	29.56	4.60
10 51 13 00-0122	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	32.90	4.60
10 51 13 00-0123	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	32.90	4.60
10 51 13 00-0124	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	33.70	4.60
10 51 13 00-0125	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	36.86	4.60
10 51 13 00-0126	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	36.86	4.60
10 51 13 00-0127	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	41.02	4.60
10 51 13 00-0128	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	45.97	4.60
10 51 13 00-0129		Continuous Slope Top End Closures (10 51 13 00-0106)		
10 51 13 00-0130	PR	12" Deep, Continuous Slope Top End Closures	31.73	4.60



			Specialties	10	10
			Storage Specialties	10 50	
			Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0131 PR 15" Deep, Continuous Slope Top End Closures.....	26.95	4.60
10 51 13 00-0132 PR 18" Deep, Continuous Slope Top End Closures.....	35.67	4.60
10 51 13 00-0133 PR 21" Deep, Continuous Slope Top End Closures.....	37.65	4.60
10 51 13 00-0134 PR 24" Deep, Continuous Slope Top End Closures.....	39.01	4.60
10 51 13 00-0135 Individual Slope Top End Closures (10 51 13 00-0106)		
10 51 13 00-0136 EA 12" Deep, Individual Slope Top End Closures.....	20.47	4.60
10 51 13 00-0137 EA 15" Deep, Individual Slope Top End Closures.....	21.09	4.60
10 51 13 00-0138 EA 18" Deep, Individual Slope Top End Closures.....	22.46	4.60
10 51 13 00-0139 EA 21" Deep, Individual Slope Top End Closures.....	23.41	4.60
10 51 13 00-0140 EA 24" Deep, Individual Slope Top End Closures.....	33.16	4.60
10 51 13 00-0141 Locker Base (10 51 13 00-0105)		
10 51 13 00-0142 Closed Front Base (10 51 13 00-0141)		
10 51 13 00-0143 EA 12" Wide, 6" High Closed Front Base.....	21.52	4.60
10 51 13 00-0144 EA 15" Wide, 6" High Closed Front Base.....	22.56	4.60
10 51 13 00-0145 EA 18" Wide, 6" High Closed Front Base.....	24.71	4.60
10 51 13 00-0146 EA 24" Wide, 6" High Closed Front Base.....	25.74	4.60
10 51 13 00-0147 Closed End Base (10 51 13 00-0141)		
10 51 13 00-0148 EA 12" Deep, 6" High Closed End Base.....	24.39	4.60
10 51 13 00-0149 EA 15" Deep, 6" High Closed End Base.....	24.57	4.60
10 51 13 00-0150 EA 18" Deep, 6" High Closed End Base.....	25.96	4.60
10 51 13 00-0151 EA 21" Deep, 6" High Closed End Base.....	27.33	4.60
10 51 13 00-0152 EA 24" Deep, 6" High Closed End Base.....	29.20	4.60
10 51 13 00-0153 Recessed Continuous Front "Z" Base (10 51 13 00-0141)		
10 51 13 00-0154 LF 4" High Recessed Continuous Front "Z" Base.....	25.63	3.45
10 51 13 00-0155 "Z" Base Ends Or Splice (10 51 13 00-0141)		
10 51 13 00-0156 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	25.50	4.60
10 51 13 00-0157 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	29.56	4.60
10 51 13 00-0158 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	33.70	4.60
10 51 13 00-0159 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	38.05	4.60
10 51 13 00-0160 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	42.39	4.60
10 51 13 00-0161 Locker Front Fillers And End Panels (10 51 13 00-0105)		
10 51 13 00-0162 Locker Front Fillers (10 51 13 00-0161)		
10 51 13 00-0163 EA 6" Wide x 48" High, 16 Gauge Front Filler.....	33.22	5.76
10 51 13 00-0164 EA 12" Wide x 48" High, 16 Gauge Front Filler.....	53.95	5.76
10 51 13 00-0165 EA 6" Wide x 60" High, 16 Gauge Front Filler.....	41.73	5.76
10 51 13 00-0166 EA 12" Wide x 60" High, 16 Gauge Front Filler.....	64.57	5.76
10 51 13 00-0167 EA 6" Wide x 66" High, 16 Gauge Front Filler.....	45.45	5.76
10 51 13 00-0168 EA 12" Wide x 66" High, 16 Gauge Front Filler.....	51.10	5.76
10 51 13 00-0169 EA 6" Wide x 72" High, 16 Gauge Front Filler.....	49.77	5.76
10 51 13 00-0170 EA 12" Wide x 72" High, 16 Gauge Front Filler.....	70.74	5.76
10 51 13 00-0171 EA 6" Wide x 78" High, 16 Gauge Front Filler.....	50.96	5.76
10 51 13 00-0172 EA 12" Wide x 78" High, 16 Gauge Front Filler.....	59.44	5.76
10 51 13 00-0173 Locker End Panels (10 51 13 00-0161)		
10 51 13 00-0174 EA 12" Deep x 48" High, 16 Gauge End Panel.....	54.92	4.60
10 51 13 00-0175 EA 15" Deep x 48" High, 16 Gauge End Panel.....	67.11	4.60
10 51 13 00-0176 EA 18" Deep x 48" High, 16 Gauge End Panel.....	78.85	4.60
10 51 13 00-0177 EA 12" Deep x 60" High, 16 Gauge End Panel.....	64.91	4.60
10 51 13 00-0178 EA 15" Deep x 60" High, 16 Gauge End Panel.....	73.66	4.60
10 51 13 00-0179 EA 18" Deep x 60" High, 16 Gauge End Panel.....	87.42	4.60
10 51 13 00-0180 EA 12" Deep x 72" High, 16 Gauge End Panel.....	76.54	4.60
10 51 13 00-0181 EA 15" Deep x 72" High, 16 Gauge End Panel.....	87.18	4.60
10 51 13 00-0182 EA 18" Deep x 72" High, 16 Gauge End Panel.....	101.35	4.60
10 51 13 00-0183 EA 21" Deep x 72" High, 16 Gauge End Panel.....	116.72	4.60
10 51 13 00-0184 Locker Recessed Trim (10 51 13 00-0105)		
10 51 13 00-0185 LF 3" Height, Top Trim For Recessed Lockers.....	11.22	2.30
10 51 13 00-0186 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers.....	31.09	4.60
10 51 13 00-0187 EA 60" Height, 3" Wide Side Trim For Recessed Lockers.....	47.50	4.60
10 51 13 00-0188 EA 66" Height, 3" Wide Side Trim For Recessed Lockers.....	49.23	4.60
10 51 13 00-0189 EA 72" Height, 3" Wide Side Trim For Recessed Lockers.....	50.96	4.60
10 51 13 00-0190 EA 78" Height, 3" Wide Side Trim For Recessed Lockers.....	52.47	4.60

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0191		Locker Interior Accessories (10 51 13 00-0105)		
10 51 13 00-0192		Locker Coat Rods (10 51 13 00-0191)		
10 51 13 00-0193	EA	12" Wide Coat Rod	16.66	4.60
10 51 13 00-0194	EA	15" Wide Coat Rod	18.27	4.60
10 51 13 00-0195	EA	18" Wide Coat Rod	19.70	4.60
10 51 13 00-0196	EA	24" Wide Coat Rod	20.96	4.60
10 51 13 00-0197		Locker Hat Shelf (10 51 13 00-0191)		
10 51 13 00-0198	EA	12" Wide Hat Shelf	20.05	4.60
10 51 13 00-0199	EA	15" Wide Hat Shelf	23.53	4.60
10 51 13 00-0200	EA	18" Wide Hat Shelf	25.00	4.60
10 51 13 00-0201	EA	24" Wide Hat Shelf	30.81	4.60
10 51 13 00-0202		Locker ADA Compliant Shelf (10 51 13 00-0191)		
10 51 13 00-0203	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	39.71	5.76
10 51 13 00-0204		Other Interior Locker Accessories (10 51 13 00-0191)		
10 51 13 00-0205	EA	3" x 10" Bent Plate Shoe Rack	52.61	4.60
10 51 13 00-0206	EA	8" x 10" Mirror	41.76	4.60
10 51 13 00-0207	EA	Additional Hook	11.92	4.60
10 51 13 00-0208		Locker Locks (10 51 13 00-0105)		
10 51 13 00-0209	EA	Built In Combination Lock	45.81	4.60
10 51 13 00-0210		Steel Basket Racks Mounted On Concrete Base (10 51 13) Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0211	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,147.38	86.28
10 51 13 00-0212	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,835.38	86.28
10 51 13 00-0213		All-Welded Steel Lockers (10 51 13)		
10 51 13 00-0214		All-Welded Steel Lockers (10 51 13 00-0213) Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0215		Single Tier, All-Welded Steel Lockers (10 51 13 00-0214) Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0216	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	214.29	20.14
		For >25 To 50, Deduct	-9.28	
		For >50 To 100, Deduct	-18.98	
		For >100, Deduct	-28.69	
10 51 13 00-0217	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	225.25	20.14
		For >25 To 50, Deduct	-9.82	
		For >50 To 100, Deduct	-20.08	
		For >100, Deduct	-30.34	
10 51 13 00-0218	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	235.79	20.14
		For >25 To 50, Deduct	-10.35	
		For >50 To 100, Deduct	-21.13	
		For >100, Deduct	-31.92	
10 51 13 00-0219	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	223.34	20.14
		For >25 To 50, Deduct	-9.73	
		For >50 To 100, Deduct	-19.89	
		For >100, Deduct	-30.05	
10 51 13 00-0220	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	233.88	20.14
		For >25 To 50, Deduct	-10.26	
		For >50 To 100, Deduct	-20.94	
		For >100, Deduct	-31.63	
10 51 13 00-0221	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	244.42	20.14
		For >25 To 50, Deduct	-10.78	
		For >50 To 100, Deduct	-22.00	
		For >100, Deduct	-33.21	
10 51 13 00-0222	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	235.97	22.15
		For >25 To 50, Deduct	-10.22	
		For >50 To 100, Deduct	-20.91	
		For >100, Deduct	-31.60	
10 51 13 00-0223	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	245.73	22.15
		For >25 To 50, Deduct	-10.70	
		For >50 To 100, Deduct	-21.88	
		For >100, Deduct	-33.06	
10 51 13 00-0224	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	256.27	22.15
		For >25 To 50, Deduct	-11.23	
		For >50 To 100, Deduct	-22.94	
		For >100, Deduct	-34.64	



Specialties			10
Storage Specialties			10 50
Lockers			10 51

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
10 51 13 00-0225	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	266.13	22.15
		For >25 To 50, Deduct	-11.72	
		For >50 To 100, Deduct	-23.92	
		For >100, Deduct	-36.12	
10 51 13 00-0226	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	274.25	22.15
		For >25 To 50, Deduct	-12.13	
		For >50 To 100, Deduct	-24.74	
		For >100, Deduct	-37.34	
10 51 13 00-0227	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	285.46	22.15
		For >25 To 50, Deduct	-12.69	
		For >50 To 100, Deduct	-25.86	
		For >100, Deduct	-39.02	
10 51 13 00-0228	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	298.07	22.15
		For >25 To 50, Deduct	-13.32	
		For >50 To 100, Deduct	-27.12	
		For >100, Deduct	-40.91	
10 51 13 00-0229	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	487.93	22.15
		For >25 To 50, Deduct	-22.81	
		For >50 To 100, Deduct	-46.10	
		For >100, Deduct	-69.39	
10 51 13 00-0230		Two Tier, All-Welded Steel Lockers (10 51 13 00-0214)		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0231	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	257.51	20.14
		For >25 To 50, Deduct	-11.44	
		For >50 To 100, Deduct	-23.31	
		For >100, Deduct	-35.18	
10 51 13 00-0232	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	262.36	20.14
		For >25 To 50, Deduct	-11.68	
		For >50 To 100, Deduct	-23.79	
		For >100, Deduct	-35.90	
10 51 13 00-0233	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	275.34	20.14
		For >25 To 50, Deduct	-12.33	
		For >50 To 100, Deduct	-25.09	
		For >100, Deduct	-37.85	
10 51 13 00-0234	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	268.47	22.15
		For >25 To 50, Deduct	-11.84	
		For >50 To 100, Deduct	-24.16	
		For >100, Deduct	-36.47	
10 51 13 00-0235	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	286.37	22.15
		For >25 To 50, Deduct	-12.74	
		For >50 To 100, Deduct	-25.95	
		For >100, Deduct	-39.16	
10 51 13 00-0236	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	296.13	22.15
		For >25 To 50, Deduct	-13.22	
		For >50 To 100, Deduct	-26.92	
		For >100, Deduct	-40.62	
10 51 13 00-0237	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	310.04	22.15
		For >25 To 50, Deduct	-13.92	
		For >50 To 100, Deduct	-28.31	
		For >100, Deduct	-42.71	
10 51 13 00-0238	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	316.58	22.15
		For >25 To 50, Deduct	-14.25	
		For >50 To 100, Deduct	-28.97	
		For >100, Deduct	-43.69	
10 51 13 00-0239	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	335.45	22.15
		For >25 To 50, Deduct	-15.19	
		For >50 To 100, Deduct	-30.86	
		For >100, Deduct	-46.52	
10 51 13 00-0240	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	350.07	22.15
		For >25 To 50, Deduct	-15.92	
		For >50 To 100, Deduct	-32.32	
		For >100, Deduct	-48.71	
10 51 13 00-0241		Three Tier, All-Welded Steel Lockers (10 51 13 00-0214)		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0242	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	318.90	22.15
		For >25 To 50, Deduct	-14.36	
		For >50 To 100, Deduct	-29.20	
		For >100, Deduct	-44.04	
10 51 13 00-0243	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	326.23	22.15
		For >25 To 50, Deduct	-14.73	
		For >50 To 100, Deduct	-29.93	
		For >100, Deduct	-45.14	
10 51 13 00-0244	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	333.52	22.15
		For >25 To 50, Deduct	-15.09	
		For >50 To 100, Deduct	-30.66	
		For >100, Deduct	-46.23	
10 51 13 00-0245	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	350.77	22.15
		For >25 To 50, Deduct	-15.96	
		For >50 To 100, Deduct	-32.39	
		For >100, Deduct	-48.82	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0246	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	353.95	22.15
			For >25 To 50, Deduct	-16.12	
			For >50 To 100, Deduct	-32.71	
			For >100, Deduct	-49.30	
10 51 13 00-0247			Four Tier, All-Welded Steel Lockers (10 51 13 00-0214)		
10 51 13 00-0248	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	301.50	22.15
			For >25 To 50, Deduct	-13.49	
			For >50 To 100, Deduct	-27.46	
			For >100, Deduct	-41.43	
10 51 13 00-0249	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	308.43	22.15
			For >25 To 50, Deduct	-13.84	
			For >50 To 100, Deduct	-28.15	
			For >100, Deduct	-42.47	
10 51 13 00-0250	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	315.31	22.15
			For >25 To 50, Deduct	-14.18	
			For >50 To 100, Deduct	-28.84	
			For >100, Deduct	-43.50	
10 51 13 00-0251	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	331.54	22.15
			For >25 To 50, Deduct	-15.00	
			For >50 To 100, Deduct	-30.46	
			For >100, Deduct	-45.93	
10 51 13 00-0252	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker.....	334.49	22.15
			For >25 To 50, Deduct	-15.14	
			For >50 To 100, Deduct	-30.76	
			For >100, Deduct	-46.38	
10 51 13 00-0253			Six Tier, All-Welded Steel Lockers (10 51 13 00-0214)		
10 51 13 00-0254	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker.....	312.28	22.15
			For >25 To 50, Deduct	-14.03	
			For >50 To 100, Deduct	-28.54	
			For >100, Deduct	-43.05	
10 51 13 00-0255	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker.....	322.39	22.15
			For >25 To 50, Deduct	-14.54	
			For >50 To 100, Deduct	-29.55	
			For >100, Deduct	-44.56	
10 51 13 00-0256	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker.....	329.82	22.15
			For >25 To 50, Deduct	-14.91	
			For >50 To 100, Deduct	-30.29	
			For >100, Deduct	-45.68	
10 51 13 00-0257			All Welded Locker Accessories (10 51 13 00-0213)		
10 51 13 00-0258	EA		ADA Requirements For All Welded Lockers.....	135.20	
10 51 13 00-0259	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers.....	217.81	4.60
10 51 13 00-0260	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers.....	252.58	4.60
10 51 13 00-0261	EA		Recessed Trim For All Welded Lockers.....	153.43	4.60
10 51 13 00-0262	EA		Built In Combination Lock For All Welded Lockers.....	45.81	4.60
10 51 13 00-0263	EA		Pad Lock For All Welded Lockers.....	41.40	4.60
10 51 26 Plastic Lockers (10 51)					
10 51 26 00-0001			Solid Plastic Lockers (10 51 26)		
			Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002			Single Tier Solid Plastic Lockers (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	629.60	35.66
			For >50 To 100, Deduct	-55.83	
			For >100, Deduct	-85.88	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	640.80	35.66
			For >50 To 100, Deduct	-56.95	
			For >100, Deduct	-87.56	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	652.01	35.66
			For >50 To 100, Deduct	-58.07	
			For >100, Deduct	-89.24	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	668.80	35.66
			For >50 To 100, Deduct	-59.75	
			For >100, Deduct	-91.76	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	651.04	35.66
			For >50 To 100, Deduct	-57.97	
			For >100, Deduct	-89.10	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	655.75	35.66
			For >50 To 100, Deduct	-58.44	
			For >100, Deduct	-89.80	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	647.46	35.66
			For >50 To 100, Deduct	-57.61	
			For >100, Deduct	-88.56	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	693.71	35.66
			For >50 To 100, Deduct	-62.24	
			For >100, Deduct	-95.50	



Specialties			10
Storage Specialties			10 50
Lockers			10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0011 EA 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	683.04	35.66
For >50 To 100, Deduct	-61.17	
For >100, Deduct	-93.90	
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	695.48	35.66
For >50 To 100, Deduct	-62.42	
For >100, Deduct	-95.76	
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	707.93	35.66
For >50 To 100, Deduct	-63.66	
For >100, Deduct	-97.63	
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	736.39	35.66
For >50 To 100, Deduct	-66.51	
For >100, Deduct	-101.90	
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	775.51	35.66
For >50 To 100, Deduct	-70.42	
For >100, Deduct	-107.77	
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	739.93	35.66
For >50 To 100, Deduct	-66.86	
For >100, Deduct	-102.43	
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	803.95	35.66
For >50 To 100, Deduct	-73.26	
For >100, Deduct	-112.03	
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	688.00	35.66
For >50 To 100, Deduct	-61.67	
For >100, Deduct	-94.64	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	724.48	35.66
For >50 To 100, Deduct	-65.32	
For >100, Deduct	-100.11	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	760.98	35.66
For >50 To 100, Deduct	-68.97	
For >100, Deduct	-105.59	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	734.25	35.66
For >50 To 100, Deduct	-66.29	
For >100, Deduct	-101.58	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	772.91	35.66
For >50 To 100, Deduct	-70.16	
For >100, Deduct	-107.38	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	811.60	35.66
For >50 To 100, Deduct	-74.03	
For >100, Deduct	-113.18	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	780.49	35.66
For >50 To 100, Deduct	-70.92	
For >100, Deduct	-108.51	
10 51 26 00-0025 EA 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	821.37	35.66
For >50 To 100, Deduct	-75.00	
For >100, Deduct	-114.65	
10 51 26 00-0026 EA 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	787.19	36.81
For >50 To 100, Deduct	-71.36	
For >100, Deduct	-109.24	
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	828.09	36.81
For >50 To 100, Deduct	-75.45	
For >100, Deduct	-115.38	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	868.95	36.81
For >50 To 100, Deduct	-79.53	
For >100, Deduct	-121.51	
10 51 26 00-0029 EA 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	840.27	36.81
For >50 To 100, Deduct	-76.66	
For >100, Deduct	-117.20	
10 51 26 00-0030 EA 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	883.41	36.81
For >50 To 100, Deduct	-80.98	
For >100, Deduct	-123.68	
10 51 26 00-0031 EA 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	926.49	36.81
For >50 To 100, Deduct	-85.29	
For >100, Deduct	-130.14	
10 51 26 00-0032 EA 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	882.58	36.81
For >50 To 100, Deduct	-80.90	
For >100, Deduct	-123.55	
10 51 26 00-0033 EA 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	938.67	36.81
For >50 To 100, Deduct	-86.50	
For >100, Deduct	-131.96	
10 51 26 00-0034 EA 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	983.97	36.81
For >50 To 100, Deduct	-91.03	
For >100, Deduct	-138.76	
10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)		
Note: Includes one double hook per tier.		
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	706.68	36.81
For >50 To 100, Deduct	-63.31	
For >100, Deduct	-97.17	
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	717.35	36.81
For >50 To 100, Deduct	-64.37	
For >100, Deduct	-98.77	
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	733.34	36.81
For >50 To 100, Deduct	-65.97	
For >100, Deduct	-101.17	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	728.02	36.81
		For >50 To 100, Deduct	-65.44	
		For >100, Deduct	-100.37	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	756.47	36.81
		For >50 To 100, Deduct	-68.28	
		For >100, Deduct	-104.63	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	824.03	36.81
		For >50 To 100, Deduct	-75.04	
		For >100, Deduct	-114.77	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	735.14	36.81
		For >50 To 100, Deduct	-66.15	
		For >100, Deduct	-101.44	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	769.55	36.81
		For >50 To 100, Deduct	-69.59	
		For >100, Deduct	-106.60	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	831.16	36.81
		For >50 To 100, Deduct	-75.75	
		For >100, Deduct	-115.84	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	731.15	36.81
		For >50 To 100, Deduct	-65.75	
		For >100, Deduct	-100.84	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	786.85	36.81
		For >50 To 100, Deduct	-71.32	
		For >100, Deduct	-109.19	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	802.77	36.81
		For >50 To 100, Deduct	-72.91	
		For >100, Deduct	-111.58	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	796.16	36.81
		For >50 To 100, Deduct	-72.25	
		For >100, Deduct	-110.59	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	833.08	36.81
		For >50 To 100, Deduct	-75.95	
		For >100, Deduct	-116.13	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	840.29	36.81
		For >50 To 100, Deduct	-76.67	
		For >100, Deduct	-117.21	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	879.32	36.81
		For >50 To 100, Deduct	-80.57	
		For >100, Deduct	-123.06	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	918.35	36.81
		For >50 To 100, Deduct	-84.47	
		For >100, Deduct	-128.92	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	846.80	37.97
		For >50 To 100, Deduct	-77.09	
		For >100, Deduct	-117.91	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	885.83	37.97
		For >50 To 100, Deduct	-80.99	
		For >100, Deduct	-123.76	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	906.17	37.97
		For >50 To 100, Deduct	-83.02	
		For >100, Deduct	-126.81	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	897.47	37.97
		For >50 To 100, Deduct	-82.15	
		For >100, Deduct	-125.51	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	938.64	37.97
		For >50 To 100, Deduct	-86.27	
		For >100, Deduct	-131.68	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	979.78	37.97
		For >50 To 100, Deduct	-90.39	
		For >100, Deduct	-137.86	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	904.83	37.97
		For >50 To 100, Deduct	-82.89	
		For >100, Deduct	-126.61	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	991.40	37.97
		For >50 To 100, Deduct	-91.55	
		For >100, Deduct	-139.60	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,034.63	37.97
		For >50 To 100, Deduct	-95.87	
		For >100, Deduct	-146.08	
10 51 26 00-0062		Triple Tier Solid Plastic Lockers (10 51 26 00-0001)		
		Note: Includes one double hook per tier.		
10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	695.64	37.97
		For >50 To 100, Deduct	-61.97	
		For >100, Deduct	-95.23	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	724.92	37.97
		For >50 To 100, Deduct	-64.90	
		For >100, Deduct	-99.63	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	751.78	37.97
		For >50 To 100, Deduct	-67.59	
		For >100, Deduct	-103.66	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	756.98	37.97
		For >50 To 100, Deduct	-68.11	
		For >100, Deduct	-104.44	



Specialties			10
Storage Specialties			10 50
Lockers			10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0067 EA 12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	819.55	37.97
For >50 To 100, Deduct	-74.36	
For >100, Deduct	-113.82	
10 51 26 00-0068 EA 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	819.85	37.97
For >50 To 100, Deduct	-74.39	
For >100, Deduct	-113.87	
10 51 26 00-0069 EA 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	853.99	37.97
For >50 To 100, Deduct	-77.81	
For >100, Deduct	-118.99	
10 51 26 00-0070 EA 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	888.28	37.97
For >50 To 100, Deduct	-81.24	
For >100, Deduct	-124.13	
10 51 26 00-0071 EA 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	922.55	37.97
For >50 To 100, Deduct	-84.66	
For >100, Deduct	-129.27	
10 51 26 00-0072 EA 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	894.99	37.97
For >50 To 100, Deduct	-81.91	
For >100, Deduct	-125.14	
10 51 26 00-0073 EA 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	931.22	37.97
For >50 To 100, Deduct	-85.53	
For >100, Deduct	-130.57	
10 51 26 00-0074 EA 18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	967.46	37.97
For >50 To 100, Deduct	-89.15	
For >100, Deduct	-136.01	
10 51 26 00-0075 EA 12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	901.18	39.12
For >50 To 100, Deduct	-82.30	
For >100, Deduct	-125.79	
10 51 26 00-0076 EA 12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	937.44	39.12
For >50 To 100, Deduct	-85.92	
For >100, Deduct	-131.23	
10 51 26 00-0077 EA 12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	962.88	39.12
For >50 To 100, Deduct	-88.47	
For >100, Deduct	-135.04	
10 51 26 00-0078 EA 15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	948.23	39.12
For >50 To 100, Deduct	-87.00	
For >100, Deduct	-132.85	
10 51 26 00-0079 EA 15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	959.72	39.12
For >50 To 100, Deduct	-88.15	
For >100, Deduct	-134.57	
10 51 26 00-0080 EA 15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,001.13	39.12
For >50 To 100, Deduct	-92.29	
For >100, Deduct	-140.78	
10 51 26 00-0081 EA 18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	931.77	39.12
For >50 To 100, Deduct	-85.35	
For >100, Deduct	-130.38	
10 51 26 00-0082 EA 18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,015.98	39.12
For >50 To 100, Deduct	-93.78	
For >100, Deduct	-143.01	
10 51 26 00-0083 EA 18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,075.59	39.12
For >50 To 100, Deduct	-99.74	
For >100, Deduct	-151.95	
10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0085 EA 12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	809.07	39.12
For >50 To 100, Deduct	-73.08	
For >100, Deduct	-111.97	
10 51 26 00-0086 EA 12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	832.84	39.12
For >50 To 100, Deduct	-75.46	
For >100, Deduct	-115.54	
10 51 26 00-0087 EA 12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	876.66	39.12
For >50 To 100, Deduct	-79.84	
For >100, Deduct	-122.11	
10 51 26 00-0088 EA 15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	871.31	39.12
For >50 To 100, Deduct	-79.31	
For >100, Deduct	-121.31	
10 51 26 00-0089 EA 15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	928.08	39.12
For >50 To 100, Deduct	-84.99	
For >100, Deduct	-129.82	
10 51 26 00-0090 EA 15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	945.99	39.12
For >50 To 100, Deduct	-86.78	
For >100, Deduct	-132.51	
10 51 26 00-0091 EA 18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	937.10	39.12
For >50 To 100, Deduct	-85.89	
For >100, Deduct	-131.18	
10 51 26 00-0092 EA 18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	967.33	39.12
For >50 To 100, Deduct	-88.91	
For >100, Deduct	-135.71	
10 51 26 00-0093 EA 18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,054.48	39.12
For >50 To 100, Deduct	-97.63	
For >100, Deduct	-148.78	
10 51 26 00-0094 EA 12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	932.21	40.26
For >50 To 100, Deduct	-85.17	
For >100, Deduct	-130.17	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	974.35	40.26
			For >50 To 100, Deduct	-89.38	
			For >100, Deduct	-136.49	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	979.84	40.26
			For >50 To 100, Deduct	-89.93	
			For >100, Deduct	-137.31	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,032.95	40.26
			For >50 To 100, Deduct	-95.24	
			For >100, Deduct	-145.28	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	983.81	40.26
			For >50 To 100, Deduct	-90.33	
			For >100, Deduct	-137.91	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,028.33	40.26
			For >50 To 100, Deduct	-94.78	
			For >100, Deduct	-144.58	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	982.10	40.26
			For >50 To 100, Deduct	-90.16	
			For >100, Deduct	-137.65	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,035.45	40.26
			For >50 To 100, Deduct	-95.49	
			For >100, Deduct	-145.65	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,115.38	40.26
			For >50 To 100, Deduct	-103.48	
			For >100, Deduct	-157.64	
10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)					
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	880.36	39.69
			For >50 To 100, Deduct	-80.10	
			For >100, Deduct	-122.53	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	909.79	39.69
			For >50 To 100, Deduct	-83.04	
			For >100, Deduct	-126.94	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	939.22	39.69
			For >50 To 100, Deduct	-85.98	
			For >100, Deduct	-131.36	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	920.48	39.69
			For >50 To 100, Deduct	-84.11	
			For >100, Deduct	-128.55	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	973.19	39.69
			For >50 To 100, Deduct	-89.38	
			For >100, Deduct	-136.45	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	998.71	39.69
			For >50 To 100, Deduct	-91.93	
			For >100, Deduct	-140.28	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	989.82	39.69
			For >50 To 100, Deduct	-91.04	
			For >100, Deduct	-138.95	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,018.27	39.69
			For >50 To 100, Deduct	-93.89	
			For >100, Deduct	-143.21	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,110.74	39.69
			For >50 To 100, Deduct	-103.14	
			For >100, Deduct	-157.09	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	960.81	40.84
			For >50 To 100, Deduct	-87.91	
			For >100, Deduct	-134.32	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	993.82	40.84
			For >50 To 100, Deduct	-91.21	
			For >100, Deduct	-139.27	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,026.79	40.84
			For >50 To 100, Deduct	-94.51	
			For >100, Deduct	-144.22	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,015.25	40.84
			For >50 To 100, Deduct	-93.36	
			For >100, Deduct	-142.49	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,038.46	40.84
			For >50 To 100, Deduct	-95.68	
			For >100, Deduct	-145.97	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,073.21	40.84
			For >50 To 100, Deduct	-99.15	
			For >100, Deduct	-151.18	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,046.50	40.84
			For >50 To 100, Deduct	-96.48	
			For >100, Deduct	-147.17	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,086.36	40.84
			For >50 To 100, Deduct	-100.47	
			For >100, Deduct	-153.15	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,132.61	40.84
			For >50 To 100, Deduct	-105.09	
			For >100, Deduct	-160.09	

10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)



Specialties			10
Storage Specialties			10 50
Lockers			10 51

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,016.01 -93.55 -142.74	40.26
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	996.79 -91.40 -139.58	41.42
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,029.74 -94.69 -144.52	41.42
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,051.74 -96.89 -147.82	41.42
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,095.67 -101.28 -154.41	41.42
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,108.51 -102.57 -156.34	41.42
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,117.67 -103.48 -157.71	41.42
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,121.31 -103.85 -158.26	41.42
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,161.61 -107.88 -164.30	41.42
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	1,214.73 -113.19 -172.27	41.42
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	47.27	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	52.01	
10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	120.98	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	47.56	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)..... Note: Full locker height. Width and height cut to size in the field.	123.88	
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers..... Note: For removable padlocks. Excludes padlock.	11.88	
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	35.68	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	47.56	
10 51 53 Locker Room Benches (10 51)		
10 51 53 00-0001 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	117.21	5.76
10 51 53 00-0002 LF 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	93.25	5.76
10 51 53 00-0003 LF 9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	143.23	5.76
10 51 53 00-0004 LF 9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	136.82	5.76
10 51 53 00-0005 LF 9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	105.96	5.76
10 55 Postal Specialties (10 50)		
10 55 23 Mail Boxes (10 55)		
10 55 23 23 Residential Mail Boxes (10 55 23)		
10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate For Stainless Steel Sleeve, Add	131.29 30.96	12.94

10 Specialties**10 50 Storage Specialties****10 55 Postal Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate..... <i>For Stainless Steel Sleeve, Add</i>	179.24 30.96	12.94
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox.....	95.35	11.51
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	140.73	14.38
10 55 23 26 Commercial Mail Boxes (10 55 23)				
10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)				
Note: Includes locks and keys unless provided by the United States Postal Service.				
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU).....	426.99	17.26
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	494.27	17.26
10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)				
Note: Includes locks and keys unless provided by the United States Postal Service.				
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	83.54	17.26
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	179.57	23.00
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	108.52	14.38
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	168.53	23.00
10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)				
Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.				
10 55 23 26-0010	EA	13-15/16" Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBUS).....	2,205.19	34.52
Note: Any door combination.				
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBUS).....	2,611.71	46.02
Note: Any door combination.				
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	3,487.82	46.02
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	3,599.95	46.02
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	3,768.16	46.02
10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)				
Note: Includes locks and keys unless provided by the United States Postal Service.				
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09).....	1,884.29	46.02
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15).....	3,325.44	46.02
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	3,460.00	46.02
10 55 26 Parcel Lockers (10 55)				
10 55 26 00-0001 Parcel Lockers (10 55 26)				
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker..... Note: Two compartments.	1,637.77	34.52
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker..... Note: Two compartments.	1,946.24	46.02
10 56 Storage Assemblies (10 50)				
10 56 13 Metal Storage Shelving (10 56)				
10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)				
10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)				
10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)				
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf..... <i>For >75" To 87" High, Add</i>	159.30 13.91	22.91
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf..... <i>For >75" To 87" High, Add</i>	159.55 13.81	24.05
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf..... <i>For >75" To 87" High, Add</i>	153.19 12.99	26.35
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf..... <i>For >75" To 87" High, Add</i>	194.98 17.02	28.63
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf..... <i>For >75" To 87" High, Add</i>	218.66 19.21	29.78



Specialties			10
Storage Specialties			10 50
Storage Assemblies			10 56

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	210.61		32.08
		For >75" To 87" High, Add	18.25		
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	234.08		34.36
		For >75" To 87" High, Add	20.43		
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)			
		Note: Adjustable shelves.			
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	114.98		11.68
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	113.68		12.49
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	127.75		13.28
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	132.84		14.09
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	153.11		15.01
10 56 13 16-0016		4 Shelf Unit, 40" High Unit (10 56 13 16-0001)			
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	133.70		22.91
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	108.43		24.05
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	124.45		26.35
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	131.12		28.63
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	149.93		29.78
10 56 16		Fabricated Wood Storage Shelving (10 56)			
10 56 16 00-0001		Shelving (10 56 16)			
10 56 16 00-0002		Built-In Wood Shelving (10 56 16 00-0001)			
		Note: Priced by shelf area. Includes hardware and trim.			
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	22.09		2.90
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	23.81		3.48
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	24.11		5.81
		For Each SF Of Lumber Edge Band, Add	0.69		
		For Each SF Of Prefinished Shelves, Add	2.32		
10 56 16 00-0006		Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)			
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving.....	18.44		6.96
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving.....	20.24		7.43
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving.....	22.26		8.01
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade.....	28.86		
10 56 16 00-0011		Plywood Shelf With Edge Band (10 56 16 00-0001)			
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band.....	22.35		6.96
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band.....	34.58		8.70
10 56 16 00-0014		Adjustable Shelf And Rod (10 56 16 00-0001)			
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long	193.88		26.11
		Note: Including Rod			
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long	229.21		34.82
		Note: Including Rod			
10 56 16 00-0017		Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)			
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	19.48		6.96
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	21.18		7.43
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	67.74		11.60
10 56 16 00-0021		Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)			
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade.....	21.90		10.91
10 56 17		Wall-Mounted Standards and Shelving (10 56)			
10 56 17 00-0001		Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)			
		Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.			
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	92.94		11.50
		For Installation On Concrete Walls, Add	2.08		
		For Installation On Concrete Block Walls, Add	4.36		
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	96.32		11.50
		For Installation On Concrete Walls, Add	2.08		
		For Installation On Concrete Block Walls, Add	4.36		
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	104.15		11.50
		For Installation On Concrete Walls, Add	2.08		
		For Installation On Concrete Block Walls, Add	4.36		

10 Specialties**10 50 Storage Specialties****10 56 Storage Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	114.26	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	116.76	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	138.43	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	154.36	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	169.70	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	185.11	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	220.53	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	241.49	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	271.77	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	61.05	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	63.34	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.10	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	70.10	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	74.96	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	88.01	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	90.80	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	102.61	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026 LF 14" Depth, Stainless Steel, Wall Mounted Wire Shelving	219.09	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0027 LF 18" Depth, Stainless Steel, Wall Mounted Wire Shelving	228.13	11.50
For Installation On Concrete Walls, Add	2.08	
For Installation On Concrete Block Walls, Add	4.36	
10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving (10 56 17)		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029 LF 8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	61.41	11.50
For Installation On Concrete Walls, Add	3.35	
For Installation On Concrete Block Walls, Add	5.63	
10 56 17 00-0030 LF 10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	62.91	11.50
For Installation On Concrete Walls, Add	3.37	
For Installation On Concrete Block Walls, Add	5.65	



Specialties			10
Storage Specialties			10 50
Storage Assemblies			10 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0031 LF 12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	63.86 3.40 5.68	11.50
10 56 17 00-0032 LF 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	67.38 3.46 5.74	11.50
10 56 17 00-0033 LF 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	69.17 3.49 5.77	11.50
10 56 17 00-0034 LF 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	74.57 3.57 5.85	11.50
10 56 17 00-0035 Wall Mounted Shelving Accessories (10 56 17)		
10 56 17 00-0036 LF Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	37.51	

10 57 Wardrobe And Closet Specialties (10 50)

10 57 13 Hat And Coat Racks (10 57)

10 57 13 00-0001 Hat And Coat Rack (10 57 13)

10 57 13 00-0002 Single Tier (10 57 13 00-0001)

10 57 13 00-0003 LF Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	72.82 34.54	5.76
10 57 13 00-0004 LF Single Tier Hat And Coat Rack Stainless Steel <i>For Custom Made Units, Add</i>	50.71 21.28	5.76
10 57 13 00-0005 LF Single Tier Hat And Coat Rack Aluminum <i>For Custom Made Units, Add</i>	157.43 85.31	5.76

10 57 13 00-0006 Double Tier (10 57 13 00-0001)

10 57 13 00-0007 LF Double Tier Hat And Coat Rack Baked Enameled Steel <i>For Custom Made Units, Add</i>	97.99 47.49	5.76
10 57 13 00-0008 LF Double Tier Hat And Coat Rack Stainless Steel..... <i>For Custom Made Units, Add</i>	56.88 22.82	5.76
10 57 13 00-0009 LF Double Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	271.74 151.74	5.76

10 57 43 Wardrobe Units (10 57)

10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)

10 57 43 00-0002 EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door <i>For Custom Made Units, Add</i>	2,219.46 1,182.54	213.07
10 57 43 00-0003 EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,692.69 866.48	213.07

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 13 Exterior Sun Control Devices (10 71)

10 71 13 13 Exterior Shutters (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003 PR 15" x 25" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	120.66 13.37	34.77
10 71 13 13-0004 PR 15" x 31" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	130.99 14.82	36.51
10 71 13 13-0005 PR 15" x 36" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	141.36 16.26	38.25
10 71 13 13-0006 PR 15" x 39" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	150.80 17.55	39.99
10 71 13 13-0007 PR 15" x 43" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	161.50 19.05	41.73
10 71 13 13-0008 PR 15" x 48" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	172.69 20.65	43.47
10 71 13 13-0009 PR 15" x 52" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	180.22 21.59	45.21
10 71 13 13-0010 PR 15" x 55" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	188.61 22.68	46.94
10 71 13 13-0011 PR 15" x 60" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	199.95 24.31	48.68
10 71 13 13-0012 PR 15" x 64" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	215.20 26.63	50.42
10 71 13 13-0013 PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	222.33 27.50	52.17

10 Specialties**10 70 Exterior Specialties****10 71 Exterior Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0014 PR 15" x 72" Louvered Shutter, High Impact Resistant Plastic.....	241.52	53.90
For Colored Finish, Add	30.54	
10 71 13 13-0015 PR 15" x 75" Louvered Shutter, High Impact Resistant Plastic.....	248.58	55.64
For Colored Finish, Add	31.39	
10 71 13 13-0016 PR 15" x 80" Louvered Shutter, High Impact Resistant Plastic.....	261.89	57.38
For Colored Finish, Add	33.37	
10 71 13 13-0017 Raised Panel Decorative Shutters (10 71 13 13-0001)		
10 71 13 13-0018 PR 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	171.29	38.25
For Colored Finish, Add	21.65	
10 71 13 13-0019 PR 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	183.73	39.99
For Colored Finish, Add	23.48	
10 71 13 13-0020 PR 15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	191.83	41.73
For Colored Finish, Add	24.51	
10 71 13 13-0021 PR 15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	204.66	43.47
For Colored Finish, Add	26.41	
10 71 13 13-0022 PR 15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	215.62	45.21
For Colored Finish, Add	27.96	
10 71 13 13-0023 PR 15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	225.95	46.94
For Colored Finish, Add	29.40	
10 71 13 13-0024 PR 15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	240.04	48.68
For Colored Finish, Add	31.52	
10 71 13 13-0025 PR 15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	258.72	50.42
For Colored Finish, Add	34.47	
10 71 13 13-0026 PR 15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	271.74	52.17
For Colored Finish, Add	36.39	
10 71 13 13-0027 PR 15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	286.42	53.90
For Colored Finish, Add	38.62	
10 71 13 13-0028 PR 15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	291.13	55.64
For Colored Finish, Add	39.05	
10 71 13 13-0029 PR 15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	301.65	57.38
For Colored Finish, Add	40.53	
10 71 13 13-0030 Exterior Spanish Cedar Shutters (10 71 13 13)		
10 71 13 13-0031 12" Width (10 71 13 13-0030)		
10 71 13 13-0032 PR 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	513.88	34.77
For Arched Tops, Add	150.00	
10 71 13 13-0033 PR 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	555.19	38.25
For Arched Tops, Add	150.00	
10 71 13 13-0034 PR 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	594.18	39.99
For Arched Tops, Add	150.00	
10 71 13 13-0035 PR 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	635.49	43.47
For Arched Tops, Add	150.00	
10 71 13 13-0036 PR 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	674.47	45.21
For Arched Tops, Add	150.00	
10 71 13 13-0037 PR 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	718.82	48.68
For Arched Tops, Add	150.00	
10 71 13 13-0038 PR 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	757.82	50.42
For Arched Tops, Add	150.00	
10 71 13 13-0039 PR 12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	796.81	52.17
For Arched Tops, Add	150.00	
10 71 13 13-0040 PR 12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	838.11	55.64
For Arched Tops, Add	150.00	
10 71 13 13-0041 14" Width (10 71 13 13-0030)		
10 71 13 13-0042 PR 14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	544.44	34.77
For Arched Tops, Add	150.00	
10 71 13 13-0043 PR 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	591.86	38.25
For Arched Tops, Add	150.00	
10 71 13 13-0044 PR 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	636.96	39.99
For Arched Tops, Add	150.00	
10 71 13 13-0045 PR 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	684.38	43.47
For Arched Tops, Add	150.00	
10 71 13 13-0046 PR 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	729.47	45.21
For Arched Tops, Add	150.00	
10 71 13 13-0047 PR 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	776.88	48.68
For Arched Tops, Add	150.00	
10 71 13 13-0048 PR 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	821.99	50.42
For Arched Tops, Add	150.00	
10 71 13 13-0049 PR 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	864.03	52.17
For Arched Tops, Add	150.00	
10 71 13 13-0050 PR 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	911.45	55.64
For Arched Tops, Add	150.00	
10 71 13 13-0051 16" Width (10 71 13 13-0030)		
10 71 13 13-0052 PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	578.05	34.77
For Arched Tops, Add	150.00	



Specialties			10
Exterior Specialties			10 70
Exterior Protection			10 71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	628.53	38.25
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	679.74	39.99
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	730.21	43.47
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	781.42	45.21
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	834.94	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	883.10	50.42
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	934.31	52.17
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	987.84	55.64
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0061		18" Width (10 71 13 13-0030)		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	608.61	34.77
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	665.21	38.25
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	722.52	39.99
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	779.11	43.47
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	833.36	45.21
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	892.99	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	947.27	50.42
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,004.59	52.17
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,061.18	55.64
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0071		20" Width (10 71 13 13-0030)		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	639.17	34.77
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	701.86	38.25
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	762.24	39.99
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	828.00	43.47
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	888.36	45.21
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	951.05	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,011.44	50.42
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,071.82	52.17
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,134.52	55.64
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0081		Heavy-Duty Exterior True Louver Shutters, Western Red Cedar (10 71 13 13)		
10 71 13 13-0082		12" Width (10 71 13 13-0081)		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	533.08	34.77
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	567.80	36.51
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	618.72	38.25
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	653.44	39.99
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	704.35	41.73
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	755.27	43.47
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	789.98	45.21
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	840.90	46.94
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	891.81	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	942.73	50.42
		<i>For Arched Tops, Add</i>	150.00	

10 Specialties**10 70 Exterior Specialties****10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0093	PR		12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	977.45	52.17
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0094	PR		12" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,028.36	53.90
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0095	PR		12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,063.08	55.64
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0096 14" Width (10 71 13 13-0081)					
10 71 13 13-0097	PR		14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	598.78	34.77
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0098	PR		14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	638.90	36.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0099	PR		14" x 44" Louver Shutter, Heavy-Duty Red Cedar	697.91	38.25
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0100	PR		14" x 47" Louver Shutter, Heavy-Duty Red Cedar	738.03	39.99
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0101	PR		14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	797.04	41.73
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0102	PR		14" x 56" Louver Shutter, Heavy-Duty Red Cedar	856.07	43.47
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0103	PR		14" x 59" Louver Shutter, Heavy-Duty Red Cedar	896.17	45.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0104	PR		14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	955.19	46.94
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0105	PR		14" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,014.20	48.68
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0106	PR		14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,073.22	50.42
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0107	PR		14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,113.34	52.17
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0108	PR		14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,172.35	53.90
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0109	PR		14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,212.47	55.64
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0110 15" Width (10 71 13 13-0081)					
10 71 13 13-0111	PR		15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	631.63	34.77
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0112	PR		15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	674.44	36.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0113	PR		15" x 44" Louver Shutter, Heavy-Duty Red Cedar	737.51	38.25
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0114	PR		15" x 47" Louver Shutter, Heavy-Duty Red Cedar	780.33	39.99
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0115	PR		15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	843.39	41.73
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0116	PR		15" x 56" Louver Shutter, Heavy-Duty Red Cedar	906.46	43.47
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0117	PR		15" x 59" Louver Shutter, Heavy-Duty Red Cedar	949.27	45.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0118	PR		15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,012.34	46.94
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0119	PR		15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,075.39	48.68
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0120	PR		15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,138.47	50.42
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0121	PR		15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,181.29	52.17
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0122	PR		15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,244.34	53.90
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0123	PR		15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,287.16	55.64
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0124 16" Width (10 71 13 13-0081)					
10 71 13 13-0125	PR		16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	664.48	34.77
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0126	PR		16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	698.74	36.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0127	PR		16" x 44" Louver Shutter, Heavy-Duty Red Cedar	777.11	38.25
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0128	PR		16" x 47" Louver Shutter, Heavy-Duty Red Cedar	822.63	39.99
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0129	PR		16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	889.73	41.73
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0130	PR		16" x 56" Louver Shutter, Heavy-Duty Red Cedar	956.86	43.47
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0131	PR		16" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,002.37	45.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0132	PR		16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,069.48	46.94
			<i>For Arched Tops, Add</i>	150.00	



Specialties			10
Exterior Specialties			10 70
Exterior Protection			10 71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,136.59	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,203.72	50.42
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,249.23	52.17
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,316.34	53.90
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,361.86	55.64
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0138 18" Width (10 71 13 13-0081)				
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	730.17	34.77
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	781.09	36.51
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	856.30	38.25
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	907.22	39.99
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	982.43	41.73
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,057.65	43.47
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,108.56	45.21
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,183.78	46.94
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,258.98	48.68
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,334.21	50.42
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,385.13	52.17
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,460.33	53.90
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,511.25	55.64
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0152 Exterior Cypress Fixed Louver Wood Shutters (10 71 13 13)				
10 71 13 13-0153 6" Through 8" Width (10 71 13 13-0152)				
10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	665.53	33.04
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	749.42	33.96
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	833.54	34.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	918.70	36.51
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,003.89	38.25
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,089.08	39.99
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,174.24	41.73
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,259.43	43.47
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,344.61	45.21
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,429.76	46.94
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,514.95	48.68
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,600.14	50.42
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,685.33	52.17
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,770.51	53.90
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0168 10" Through 12" Width (10 71 13 13-0152)				
10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	775.19	33.04
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	873.81	33.96
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	972.46	34.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,072.27	36.51
		<i>For Arched Tops, Add</i>	65.00	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,172.05	38.25
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,271.87	39.99
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,371.67	41.73
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,471.46	43.47
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,571.26	45.21
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,671.08	46.94
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,770.85	48.68
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,870.67	50.42
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,970.45	52.17
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,070.26	53.90
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0183 14" Through 16" Width (10 71 13 13-0152)				
10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,018.89	33.04
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,150.03	33.96
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,281.13	34.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,413.43	36.51
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,545.73	38.25
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,678.04	39.99
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,810.33	41.73
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,942.64	43.47
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,944.95	45.21
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,207.23	46.94
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,339.52	48.68
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,471.80	50.42
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,604.10	52.17
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,736.39	53.90
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0198 18" Through 20" Width (10 71 13 13-0152)				
10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,140.73	33.04
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,288.13	33.96
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,435.49	34.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,582.68	36.51
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,732.58	38.25
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,881.14	39.99
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,029.66	41.73
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,178.23	43.47
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,326.75	45.21
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,475.31	46.94
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,623.82	48.68
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,772.40	50.42
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,920.92	52.17
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,069.48	53.90
		<i>For Arched Tops, Add</i>	65.00	



Specialties			10
Exterior Specialties			10 70
Exterior Protection			10 71

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
10 71 13 13-0213	22" Through 24" Width (10 71 13 13-0152)				
10 71 13 13-0214	PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,506.30		33.04	
	For Arched Tops, Add	65.00			
10 71 13 13-0215	PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,702.41		33.96	
	For Arched Tops, Add	65.00			
10 71 13 13-0216	PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,898.55		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0217	PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,095.83		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0218	PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,293.10		38.25	
	For Arched Tops, Add	65.00			
10 71 13 13-0219	PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,490.41		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0220	PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,687.68		41.73	
	For Arched Tops, Add	65.00			
10 71 13 13-0221	PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,884.96		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0222	PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,082.26		45.21	
	For Arched Tops, Add	65.00			
10 71 13 13-0223	PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,279.53		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0224	PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,476.80		48.68	
	For Arched Tops, Add	65.00			
10 71 13 13-0225	PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,674.12		50.42	
	For Arched Tops, Add	65.00			
10 71 13 13-0226	PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,871.39		52.17	
	For Arched Tops, Add	65.00			
10 71 13 13-0227	PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,068.66		53.90	
	For Arched Tops, Add	65.00			
10 71 13 13-0228	26" Through 28" Width (10 71 13 13-0152)				
10 71 13 13-0229	PR 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,725.63		33.04	
	For Arched Tops, Add	65.00			
10 71 13 13-0230	PR 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,950.99		33.96	
	For Arched Tops, Add	65.00			
10 71 13 13-0231	PR 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,176.38		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0232	PR 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,402.90		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0233	PR 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,629.42		38.25	
	For Arched Tops, Add	65.00			
10 71 13 13-0234	PR 26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,855.98		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0235	PR 26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	3,082.49		41.73	
	For Arched Tops, Add	65.00			
10 71 13 13-0236	PR 26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,309.03		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0237	PR 26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,535.58		45.21	
	For Arched Tops, Add	65.00			
10 71 13 13-0238	PR 26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,762.06		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0239	PR 26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,988.58		48.68	
	For Arched Tops, Add	65.00			
10 71 13 13-0240	PR 26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,215.15		50.42	
	For Arched Tops, Add	65.00			
10 71 13 13-0241	PR 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,441.67		52.17	
	For Arched Tops, Add	65.00			
10 71 13 13-0242	PR 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,668.15		53.90	
	For Arched Tops, Add	65.00			
10 71 13 13-0243	Pine Louvered Shutters (10 71 13 13)				
10 71 13 13-0244	12" Width (10 71 13 13-0243)				
10 71 13 13-0245	PR 12" x 35" Pine Louvered Shutter	380.09		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0246	PR 12" x 39" Pine Louvered Shutter	396.55		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0247	PR 12" x 43" Pine Louvered Shutter	412.82		38.25	
	For Arched Tops, Add	65.00			
10 71 13 13-0248	PR 12" x 47" Pine Louvered Shutter	429.16		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0249	PR 12" x 51" Pine Louvered Shutter	445.42		41.73	
	For Arched Tops, Add	65.00			
10 71 13 13-0250	PR 12" x 55" Pine Louvered Shutter	461.77		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0251	PR 12" x 59" Pine Louvered Shutter	478.15		45.21	
	For Arched Tops, Add	65.00			
10 71 13 13-0252	PR 12" x 63" Pine Louvered Shutter	494.60		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0253	PR 12" x 67" Pine Louvered Shutter	510.94		48.68	
	For Arched Tops, Add	65.00			

10 Specialties**10 70 Exterior Specialties****10 71 Exterior Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0254	PR		12" x 71" Pine Louvered Shutter	527.33	50.42
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0255	PR		12" x 75" Pine Louvered Shutter	543.67	52.17
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0256 14" Width (10 71 13 13-0243)					
10 71 13 13-0257	PR		14" x 35" Pine Louvered Shutter	420.40	34.77
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0258	PR		14" x 39" Pine Louvered Shutter	438.70	36.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0259	PR		14" x 43" Pine Louvered Shutter	456.69	38.25
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0260	PR		14" x 47" Pine Louvered Shutter	474.87	39.99
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0261	PR		14" x 51" Pine Louvered Shutter	492.89	41.73
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0262	PR		14" x 55" Pine Louvered Shutter	510.90	43.47
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0263	PR		14" x 59" Pine Louvered Shutter	529.03	45.21
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0264	PR		14" x 63" Pine Louvered Shutter	547.18	46.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0265	PR		14" x 67" Pine Louvered Shutter	565.20	48.68
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0266	PR		14" x 71" Pine Louvered Shutter	583.31	50.42
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0267	PR		14" x 75" Pine Louvered Shutter	601.50	52.17
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0268 15" Width (10 71 13 13-0243)					
10 71 13 13-0269	PR		15" x 35" Pine Louvered Shutter	440.09	34.77
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0270	PR		15" x 39" Pine Louvered Shutter	459.06	36.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0271	PR		15" x 43" Pine Louvered Shutter	478.10	38.25
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0272	PR		15" x 47" Pine Louvered Shutter	497.00	39.99
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0273	PR		15" x 51" Pine Louvered Shutter	515.99	41.73
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0274	PR		15" x 55" Pine Louvered Shutter	534.97	43.47
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0275	PR		15" x 59" Pine Louvered Shutter	553.97	45.21
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0276	PR		15" x 63" Pine Louvered Shutter	572.90	46.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0277	PR		15" x 67" Pine Louvered Shutter	591.82	48.68
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0278	PR		15" x 71" Pine Louvered Shutter	610.76	50.42
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0279	PR		15" x 75" Pine Louvered Shutter	629.77	52.17
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0280	PR		15" x 81" Pine Louvered Shutter	657.05	53.90
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0281 16" Width (10 71 13 13-0243)					
10 71 13 13-0282	PR		16" x 35" Pine Louvered Shutter	458.84	34.77
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0283	PR		16" x 39" Pine Louvered Shutter	479.42	36.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0284	PR		16" x 43" Pine Louvered Shutter	500.19	38.25
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0285	PR		16" x 47" Pine Louvered Shutter	520.88	39.99
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0286	PR		16" x 51" Pine Louvered Shutter	541.60	41.73
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0287	PR		16" x 55" Pine Louvered Shutter	562.31	43.47
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0288	PR		16" x 59" Pine Louvered Shutter	582.88	45.21
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0289	PR		16" x 63" Pine Louvered Shutter	603.65	46.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0290	PR		16" x 67" Pine Louvered Shutter	624.33	48.68
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0291	PR		16" x 71" Pine Louvered Shutter	645.07	50.42
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0292	PR		16" x 75" Pine Louvered Shutter	665.77	52.17
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0293	PR		16" x 81" Pine Louvered Shutter	686.34	53.90
			<i>For Arched Tops, Add</i>	65.00	



Specialties			10
Exterior Specialties			10 70
Exterior Protection			10 71

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 71 13 13-0294	18" Width (10 71 13 13-0243)				
10 71 13 13-0295	PR 18" x 35" Pine Louvered Shutter.....	500.08		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0296	PR 18" x 39" Pine Louvered Shutter.....	526.85		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0297	PR 18" x 47" Pine Louvered Shutter.....	572.78		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0298	PR 18" x 55" Pine Louvered Shutter.....	618.82		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0299	PR 18" x 63" Pine Louvered Shutter.....	664.81		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0300	PR 18" x 75" Pine Louvered Shutter.....	764.84		52.17	
	For Arched Tops, Add	65.00			
10 71 13 13-0301	PR 18" x 81" Pine Louvered Shutter.....	793.02		53.90	
	For Arched Tops, Add	65.00			
10 71 13 13-0302	Exterior Cedar Board N' Batten Wood Shutters (10 71 13 13)				
10 71 13 13-0303	8" Through 14" Width (10 71 13 13-0302)				
10 71 13 13-0304	PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	759.92		33.04	
	For Arched Tops, Add	65.00			
10 71 13 13-0305	PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	999.70		33.96	
	For Arched Tops, Add	65.00			
10 71 13 13-0306	PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,000.85		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0307	PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,241.80		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0308	PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,244.12		38.25	
	For Arched Tops, Add	65.00			
10 71 13 13-0309	PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,246.44		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0310	PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,487.38		41.73	
	For Arched Tops, Add	65.00			
10 71 13 13-0311	PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,489.70		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0312	PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,492.01		45.21	
	For Arched Tops, Add	65.00			
10 71 13 13-0313	PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,732.95		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0314	PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,735.27		48.68	
	For Arched Tops, Add	65.00			
10 71 13 13-0315	PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,976.21		50.42	
	For Arched Tops, Add	65.00			
10 71 13 13-0316	PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,978.53		52.17	
	For Arched Tops, Add	65.00			
10 71 13 13-0317	PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,980.84		53.90	
	For Arched Tops, Add	65.00			
10 71 13 13-0318	PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,983.17		55.64	
	For Arched Tops, Add	65.00			
10 71 13 13-0319	15" Through 16" Width (10 71 13 13-0302)				
10 71 13 13-0320	PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	998.54		33.04	
	For Arched Tops, Add	65.00			
10 71 13 13-0321	PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	999.70		33.96	
	For Arched Tops, Add	65.00			
10 71 13 13-0322	PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,239.48		34.77	
	For Arched Tops, Add	65.00			
10 71 13 13-0323	PR 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,241.80		36.51	
	For Arched Tops, Add	65.00			
10 71 13 13-0324	PR 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,482.74		38.25	
	For Arched Tops, Add	65.00			
10 71 13 13-0325	PR 15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,485.06		39.99	
	For Arched Tops, Add	65.00			
10 71 13 13-0326	PR 15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,487.37		41.73	
	For Arched Tops, Add	65.00			
10 71 13 13-0327	PR 15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,728.32		43.47	
	For Arched Tops, Add	65.00			
10 71 13 13-0328	PR 15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,730.63		45.21	
	For Arched Tops, Add	65.00			
10 71 13 13-0329	PR 15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,971.57		46.94	
	For Arched Tops, Add	65.00			
10 71 13 13-0330	PR 15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,973.88		48.68	
	For Arched Tops, Add	65.00			
10 71 13 13-0331	PR 15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,214.84		50.42	
	For Arched Tops, Add	65.00			
10 71 13 13-0332	PR 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,217.16		52.17	
	For Arched Tops, Add	65.00			
10 71 13 13-0333	PR 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,458.09		53.90	
	For Arched Tops, Add	65.00			

10 Specialties**10 70 Exterior Specialties****10 71 Exterior Protection**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,460.41 65.00	55.64
10 71 13 13-0335 17" Through 18" Width (10 71 13 13-0302)				
10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	998.54 65.00	33.04
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,238.33 65.00	33.96
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,239.48 65.00	34.77
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,480.42 65.00	36.51
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,482.74 65.00	38.25
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,723.68 65.00	39.99
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,725.99 65.00	41.73
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,966.94 65.00	43.47
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,969.25 65.00	45.21
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,210.20 65.00	46.94
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,212.51 65.00	48.68
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,453.46 65.00	50.42
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,455.78 65.00	52.17
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,696.71 65.00	53.90
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,699.03 65.00	55.64
10 71 13 13-0351 19" Through 20" Width (10 71 13 13-0302)				
10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,237.17 65.00	33.04
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,238.33 65.00	33.96
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,478.10 65.00	34.77
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,480.42 65.00	36.51
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,721.36 65.00	38.25
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,723.68 65.00	39.99
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,964.61 65.00	41.73
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,205.57 65.00	43.47
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,207.88 65.00	45.21
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,448.82 65.00	46.94
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,451.13 65.00	48.68
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,692.08 65.00	50.42
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,694.40 65.00	52.17
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,935.34 65.00	53.90
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,937.66 65.00	55.64
10 71 13 13-0367 21" Through 22" Width (10 71 13 13-0302)				
10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,237.17 65.00	33.04
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,238.33 65.00	33.96
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,478.10 65.00	34.77
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,719.04 65.00	36.51
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,721.36 65.00	38.25
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,962.30 65.00	39.99



Specialties			10
Exterior Specialties			10 70
Exterior Protection			10 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	.....	1,964.61	41.73
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	.....	2,205.57	43.47
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	.....	2,446.50	45.21
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	.....	2,448.82	46.94
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	.....	2,689.75	48.68
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	.....	2,692.08	50.42
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	.....	2,933.03	52.17
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	.....	2,935.34	53.90
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	.....	2,937.66	55.64
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0383 22" Through 24" Width (10 71 13 13-0302)					
10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	.....	1,237.17	33.04
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	.....	1,476.95	33.96
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	.....	1,478.10	34.77
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	.....	1,719.04	36.51
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	.....	1,959.98	38.25
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	.....	1,962.30	39.99
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	.....	2,203.24	41.73
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	.....	2,205.57	43.47
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	.....	2,446.50	45.21
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	.....	2,687.44	46.94
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	.....	2,689.75	48.68
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	.....	2,930.71	50.42
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	.....	2,933.03	52.17
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	.....	3,173.96	53.90
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	.....	3,176.28	55.64
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0399 Accessories (10 71 13 13)					
10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	.....	65.19	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	.....	65.19	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	.....	97.21	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	.....	90.03	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	.....	81.79	
10 71 13 13-0405	PR	Acorn Holdback	.....	74.84	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	.....	63.23	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	.....	59.64	
10 73 Protective Covers (10 70)					
10 73 13 Awnings (10 73)					
10 73 13 13 Metal Awnings (10 73 13)					
10 73 13 13-0001 Metal Awnings (10 73 13 13)					
		Note: Includes metal cover, frame supports and anchoring.			
10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	.....	85.78	9.40
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	.....	75.82	8.42
10 73 13 13-0004	SF	Flat Roofed Steel Awning	.....	245.29	9.76
		Note: Per SF of covered area			
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	.....	253.11	10.98
10 73 13 23 Fabric Awnings (10 73 13)					
10 73 13 23-0001 Canvas Awnings (10 73 13 23)					
		Note: Includes minimum 12 oz. canvas, frame supports and anchoring.			
10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	.....	83.40	7.99

10 Specialties**10 70 Exterior Specialties****10 73 Protective Covers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 13 23-0003	SF		Side Protection Canvas For Walkways (Per SF Of Wall Area)	48.02	2.58
10 73 13 23-0004	SF		Removal And Replacement Of Canvas For Awnings	29.30	
			Note: Includes removal of existing canvas cover.		
			For 18 Ounce Vinyl Laminated Polyester Cover, Add	1.00	
10 73 16			Canopies (10 73)		
10 73 16 13			Metal Canopies (10 73 16)		
10 73 16 13-0001			Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)		
			Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA		8' x 10' Canopy, Aluminum, Wall Hung	7,878.22	534.48
10 73 16 13-0003	EA		8' x 20' Canopy, Aluminum, Wall Hung	14,670.38	855.37
10 73 16 13-0004	EA		10' x 10' Canopy, Aluminum, Wall Hung	9,693.87	668.75
10 73 16 13-0005	EA		10' x 20' Canopy, Aluminum, Wall Hung	17,910.29	894.25
10 73 26			Walkway Coverings (10 73)		
			Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.		
10 73 26 13			Metal Walkway Coverings (10 73 26)		
10 73 26 13-0001			Steel Walkway/Parking Covers (10 73 26 13)		
			Note: Factory applied polyester finish.		
10 73 26 13-0002	SF		Flat Roofed Steel Walkway/Parking Cover	121.21	7.77
			Note: Includes factory applied polyester finish.		
			For Snow Load (30 PSF), Add	42.27	
			For Wind Load (140 MPH), Add	52.84	
10 73 26 13-0003	SF		Arch Roofed Steel Walkway/Parking Cover	129.02	8.38
			Note: Includes factory applied polyester finish.		
			For Snow Load (30 PSF), Add	44.91	
			For Wind Load (140 MPH), Add	56.14	
10 73 26 13-0004			Aluminum Walkway/Parking Covers (10 73 26 13)		
10 73 26 13-0005	SF		Flat Roofed Aluminum Walkway/Parking Cover	76.30	7.77
			Note: Includes factory applied polyester finish.		
			For Snow Load (30 PSF), Add	24.30	
			For Wind Load (140 MPH), Add	30.38	
10 73 26 13-0006	SF		Arch Roofed Aluminum Walkway/Parking Cover	83.02	8.38
			Note: Includes factory applied polyester finish.		
			For Snow Load (30 PSF), Add	26.51	
			For Wind Load (140 MPH), Add	33.14	
10 75			Flagpoles (10 70)		
			Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.		
10 75 16			Ground-Set Flagpoles (10 75)		
10 75 16 00-0001			Free Standing Tapered Fiberglass Flagpoles (10 75 16)		
			Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0002	EA		25' Exposed Height, Tapered White Fiberglass Flagpole	4,034.63	920.43
			Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	20.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA		30' Exposed Height, Tapered White Fiberglass Flagpole	4,311.28	1,004.11
			Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA		35' Exposed Height, Tapered White Fiberglass Flagpole	5,431.16	1,171.46
			Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	10.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA		40' Exposed Height, Tapered White Fiberglass Flagpole	6,303.16	1,338.81
			Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA		50' Exposed Height, Tapered White Fiberglass Flagpole	11,743.35	1,506.17
			Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
			For Internal Halyard, Winch System, Add	1,700.00	
			For Bronze Finish, Add	200.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA		60' Exposed Height, Tapered White Fiberglass Flagpole	13,984.63	1,673.51
			Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
			For Internal Halyard, Winch System, Add	1,900.00	
			For Bronze Finish, Add	160.00	
			For Rope Lock Box, Add	96.00	



Specialties			10
Exterior Specialties			10 70
Flagpoles			10 75

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0008 EA 70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	24,134.65 2,860.00 700.00 96.00	1,840.87
10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	31,286.43 2,900.00 900.00 96.00	2,008.22
10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)		
Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,003.45 570.00 150.00 180.00 230.00 96.00	836.76
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,550.32 1,100.00 200.00 230.00 320.00 96.00	920.43
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,935.00 1,390.00 240.00 290.00 400.00 96.00	1,004.11
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,963.89 1,340.00 290.00 360.00 480.00 96.00	1,171.46
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,100.90 1,490.00 390.00 480.00 660.00 96.00	1,338.81
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,734.30 1,340.00 400.00 500.00 700.00 96.00	1,422.49
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	8,373.28 1,380.00 700.00 860.00 1,130.00 96.00	1,506.17
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,062.57 1,800.00 620.00 820.00 1,160.00 96.00	1,673.51
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	15,394.21 1,720.00 710.00 950.00 1,360.00 96.00	1,840.87
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	19,158.79 2,600.00 1,100.00 1,380.00 1,840.00 96.00	2,008.22

10	10	Specialties
	10 70	Exterior Specialties
	10 75	Flagpoles



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0021		Flagpole Bases (10 75 16)		
10 75 16 00-0022		Flagpole Concrete Base (10 75 16 00-0021)		
		Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,820.32	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,880.87	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,161.58	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,286.65	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,743.86	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,325.71	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	3,931.39	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,566.58	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,318.04	
10 75 16 00-0032		Direct Embedded Flagpole Base (10 75 16 00-0021)		
		Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	812.40	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,163.61	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,302.41	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,465.09	
10 75 16 00-0037		Flagpole Accessories (10 75 16)		
10 75 16 00-0038		Flagpole Tops (10 75 16 00-0037)		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	128.10	48.92
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	139.26	51.80
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	154.75	54.67
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	197.27	57.54
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	254.93	60.42
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	283.40	63.30
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	260.69	63.30
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	302.81	71.93
10 75 16 00-0047		Flagpole Accessories (10 75 16 00-0037)		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.48	0.09
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.72	0.09
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.55	0.09
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.99	0.09
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	418.04	143.80
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	306.71	86.28
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	25.23	5.76
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.56	0.11
10 75 23		Wall-Mounted Flagpoles (10 75)		
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)		
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,084.34	733.99
		For Clear Anodized Finish, Add	60.00	
		For Bronze Anodized Finish, Add	80.00	
		For Black Anodized Finish, Add	90.00	
		For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,263.58	807.40
		For Clear Anodized Finish, Add	70.00	
		For Bronze Anodized Finish, Add	80.00	
		For Black Anodized Finish, Add	100.00	
		For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,453.62	880.80
		For Clear Anodized Finish, Add	70.00	
		For Bronze Anodized Finish, Add	110.00	
		For Black Anodized Finish, Add	120.00	
		For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,844.54	1,027.60
		For Clear Anodized Finish, Add	70.00	
		For Bronze Anodized Finish, Add	90.00	
		For Black Anodized Finish, Add	100.00	
		For Rope Lock Box, Add	96.00	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)		
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,662.01	660.60
		For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,873.69	733.99
		For Rope Lock Box, Add	96.00	



Specialties			10
Exterior Specialties			10 70
Flagpoles			10 75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 75 23 00-0009 EA 20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish For Rope Lock Box, Add	3,210.53 96.00	880.80

10 80 Other Specialties ⁽¹⁰⁾

10 81 Pest Control Devices ^(10 80)

10 81 13 Bird Control Devices ^(10 81)

10 81 13 00-0001	Stainless Steel Spiked Bird Barrier ^(10 81 13) Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002 LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.92	0.92
10 81 13 00-0003 LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.19	0.92
10 81 13 00-0004 LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.54	0.92

10 81 13 00-0005	Polycarbonate Spiked Bird Barrier ^(10 81 13) Note: Polycarbonate spikes and base.		
10 81 13 00-0006 LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.06	0.92
10 81 13 00-0007 LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.20	0.92
10 81 13 00-0008 LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.52	0.92

10 81 13 00-0009	Spiked Gutter Or Girder Bird Barrier ^(10 81 13) Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.69	0.92

10 81 13 00-0011	Coil Bird Barrier ^(10 81 13) Note: Stainless steel coil.		
10 81 13 00-0012 LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.07	0.92
10 81 13 00-0013 LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.61	0.92

10 81 13 00-0014	Spider Bird Barrier ^(10 81 13) Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA	2' Diameter Stainless Steel Spider Bird Deterrent System	136.86	0.92
10 81 13 00-0016 EA	4' Diameter Stainless Steel Spider Bird Deterrent System	203.41	0.92
10 81 13 00-0017 EA	8' Diameter Stainless Steel Spider Bird Deterrent System	257.75	0.92

10 81 13 00-0018	Oriented Flexible Flame Resistant Netting ^(10 81 13) Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019 SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.17	0.42
10 81 13 00-0020 SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.13	0.42
10 81 13 00-0021 SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.09	0.42
10 81 13 00-0022 SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	1.05	0.42
10 81 13 00-0023 SF	1" x 1" Mesh Flexible Polypropylene Netting	1.05	0.42
10 81 13 00-0024 SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	1.03	0.42
10 81 13 00-0025 SF	2" x 2" Mesh Flexible Polypropylene Netting	1.00	0.42
10 81 13 00-0026 SF	3" x 3" Mesh Flexible Polypropylene Netting	1.00	0.42
10 81 13 00-0027 SF	4" x 4" Mesh Flexible Polypropylene Netting	0.96	0.42
10 81 13 00-0028 SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	1.07	0.42
10 81 13 00-0029 SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	1.01	0.42
10 81 13 00-0030 EA	Poly Clips For Flexible Netting	3.56	

10 81 13 00-0031	Netting Accessories ^(10 81 13)		
10 81 13 00-0032 EA	2' Zipper For Flexible Netting	9.64	
10 81 13 00-0033 EA	4' Zipper For Flexible Netting	14.52	
10 81 13 00-0034 EA	6' Zipper For Flexible Netting	17.09	
10 81 13 00-0035 EA	8' Zipper For Flexible Netting	24.29	

10 81 16 Insect Control Devices ^(10 81)

10 81 16 00-0001	Insect Screening ^(10 81 16)		
10 81 16 00-0002 CSF	17/14 Mesh Insect Screening With Flat Screen Splines	149.27	

10 Specialties**10 80 Other Specialties****10 86 Security Mirrors And Domes**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 86 Security Mirrors And Domes (10 86)**10 86 00 00-0001 Security Mirrors** (10 86)

10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	123.09	36.65
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	137.47	36.65
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	252.25	30.55
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	97.56	36.65
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	143.24	36.65

10 86 00 00-0007 Dome Mirrors (10 86)

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0008 Steel Dome Mirrors (10 86 00 00-0007)

10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	326.74	23.01
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	385.18	24.17
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	445.92	26.47
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	596.98	28.77
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	233.71	17.27
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	270.18	18.41
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	316.10	20.14
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	441.60	21.87

10 86 00 00-0017 Plexiglas Dome Mirrors (10 86 00 00-0007)

10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	251.87	26.47
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	357.77	28.77
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	474.39	33.37
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	573.63	40.28
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	837.60	57.54
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	153.29	20.14
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	208.00	21.87
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	274.96	25.32
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	339.26	30.50
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	540.33	43.16
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	97.99	17.27
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	126.58	18.99
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	167.31	21.29
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	208.81	25.32
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	347.75	35.97

10 86 00 00-0033 Coated Plexiglas Dome Mirrors (10 86 00 00-0007)

10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	301.91	26.47
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	470.05	28.77
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	798.19	40.28
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,230.58	57.54
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	195.28	20.14
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	292.70	21.87
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	463.75	30.50
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	769.77	43.16
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	141.20	17.27
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	199.32	18.99
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	259.09	21.29
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	333.78	25.32
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	523.50	35.97

10 86 00 00-0047 Circular Convex Security Mirrors (10 86)

Note: Includes all mounting hardware.

10 86 00 00-0048 Plexiglas Circular Convex Mirrors (10 86 00 00-0047)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	105.18	18.41
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	137.67	20.14
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	210.69	21.87
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	263.73	25.32
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	351.47	30.50
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	623.32	43.16
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	178.92	20.14
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	259.51	21.87
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	370.99	30.50
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	681.90	43.16

10 86 00 00-0059 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0047)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	217.00	20.14
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	343.96	21.87



Specialties		10	10
Other Specialties		10 80	
Security Mirrors And Domes		10 86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0062 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	463.15	25.32
10 86 00 00-0063 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	578.47	30.50
10 86 00 00-0064 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	840.56	43.16
10 86 00 00-0065 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	261.67	20.14
10 86 00 00-0066 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	407.42	21.87
10 86 00 00-0067 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	568.11	25.32
10 86 00 00-0068 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	641.93	30.50
10 86 00 00-0069 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	1,018.74	43.16

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



Equipment			11
Operation and Maintenance of Equipment			11 01
Operation and Maintenance of Vehicle and Pedestrian Equipment			11 01 10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment⁽¹¹⁾

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment^(11 01)

11 01 10 13 Operation and Maintenance of Parking Equipment^(11 01 10)

11 01 10 13-0001 Replacement Parking Equipment^(11 01 10 13)

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	652.60	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	682.60	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	716.92	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	952.22	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	984.41	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,394.04	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,414.80	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,454.17	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,671.90	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,699.82	

11 10 Vehicle and Pedestrian Equipment⁽¹¹⁾

11 11 Vehicle Service Equipment^(11 10)

11 11 19 Vehicle Lubrication Equipment^(11 11)

11 11 19 00-0001 Reels^(11 11 19)

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,201.33	144.74
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,171.17	144.74
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	1,024.16	144.74
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,141.59	144.74

11 11 19 00-0006 Air Operated Powered Pumps^(11 11 19)

Note: Excludes air compressor.				
11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,806.20	192.98
11 11 19 00-0008	EA	1", Antifreeze, Air Operated Diaphragm Pump (Alemite 8325)	2,004.67	192.98
Note: UL listed.				
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,605.21	192.98
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 Lb. Drum (Alemite 9979-A)	1,859.00	96.49
Note: Includes pump, drum cover and follower plate.				

11 11 19 00-0011 Pumping Unit Accessories^(11 11 19)

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	656.43	36.19
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	656.43	36.19
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	656.43	36.19
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	355.31	36.19
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	191.40	36.19
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	126.98	12.06
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	293.66	48.25
11 11 19 00-0019	EA	Unistrut Reel Brackets	261.03	9.65
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	351.27	36.19

11 11 36 Vehicle Charging Equipment^(11 11)

11 11 36 13 Commercial Electric Vehicle Charging Unit^(11 11 36)

11 11 36 13-0001 Electric Vehicle Charging Stations (GE)^(11 11 36 13)

Note: Available with RFID (Radio Frequency Identification) reader.				
11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3)	4,547.96	177.96
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3)	8,050.99	237.28
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3)	8,381.72	177.96
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3)	14,294.71	237.28
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3)	3,952.29	88.97
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.				
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3)	7,642.32	88.97
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.				
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3)	3,831.16	118.64
Note: 208 to 240 volt, 30 amperes, 1 phase.				
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3)	7,377.45	118.64
Note: 208 to 240 volt, 30 amperes, 1 phase.				

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 11 Vehicle Service Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		Electric Vehicle Charging Stations (AeroVironment) ^(11 11 36 13) Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)..... Note: Includes charging station only. Excludes mounting bracket or pedestal.	3,199.82	88.97
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount) Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	4,410.91	118.64
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)..... Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	7,373.44	148.29
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	4,648.19	177.96
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	7,610.71	207.61
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	10,573.25	237.28
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)..... Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	13,535.79	266.93
11 11 36 13-0018		Electric Vehicle Charging Stations (Leviton) ^(11 11 36 13)		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)..... Note: 208 to 240 volt, 30 amperes, 1 phase. For Bollard Body (Leviton CPMBX-000), Add For Bollard Cap (Leviton CPCAP-B), Add For Wall Mounting Body (Leviton CPMEX-000), Add For Wall Mounting Cap (Leviton CPCAP-W), Add For Cord Management Kit (Leviton CPCBX-000), Add	4,064.49 2,489.64 228.79 1,720.68 228.79 1,569.05	177.96
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000) Note: 208 to 240 volt, 30 amperes, 1 phase. For Bollard Body (Leviton CPMBX-000), Add For Bollard Cap (Leviton CPCAP-B), Add For Wall Mounting Body (Leviton CPMEX-000), Add For Wall Mounting Cap (Leviton CPCAP-W), Add For Cord Management Kit (Leviton CPCBX-000), Add	3,281.82 2,489.64 228.79 1,720.68 228.79 1,569.05	177.96
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000) Note: 208 to 240 volt, 30 amperes, 1 phase. For Bollard Body (Leviton CPMBX-000), Add For Bollard Cap (Leviton CPCAP-B), Add For Wall Mounting Body (Leviton CPMEX-000), Add For Wall Mounting Cap (Leviton CPCAP-W), Add For Cord Management Kit (Leviton CPCBX-000), Add	7,877.13 2,489.64 228.79 1,720.68 228.79 1,569.05	237.28
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000)..... Note: 208 to 240 volt, 30 amperes, 1 phase. For Bollard Body (Leviton CPMBX-000), Add For Bollard Cap (Leviton CPCAP-B), Add For Wall Mounting Body (Leviton CPMEX-000), Add For Wall Mounting Cap (Leviton CPCAP-W), Add For Cord Management Kit (Leviton CPCBX-000), Add	7,091.92 2,489.64 228.79 1,720.68 228.79 1,569.05	237.28
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000) For Cap, Add	2,964.19 228.79	177.96
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000) For Cap, Add	2,195.23 228.79	177.96
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)..... For Cap, Add	1,806.33 228.79	118.64
11 12 Parking Control Equipment ^(11 10)				
11 12 13 Parking Key and Card Control Units ^(11 12)				
11 12 13 00-0001	EA	Card Access Control System, Surface Mounted..... Note: Entracomp 26SA-SM.	1,671.18	103.29
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted Note: Entracomp 26SA-FM.	1,857.07	103.29
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted Note: Entracomp 26SA-MH.	2,139.74	103.29
11 12 16 Parking Ticket Dispensers ^(11 12)				
11 12 16 00-0001 Parking Ticket Dispensers ^(11 12 16)				
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp.....	12,341.57	247.91
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer.....	16,600.75	247.91
11 12 23 Parking Meters ^(11 12)				
11 12 23 00-0001 Parking Meters ^(11 12 23)				
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	243.98	
11 12 26 Parking Fee Collection Equipment ^(11 12)				
11 12 26 13 Parking Fee Coin Collection Equipment ^(11 12 26)				



Equipment			11
Vehicle and Pedestrian Equipment			11 10
Parking Control Equipment			11 12

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 26 13-0001 Parking Fee Collection Equipment (11 12 26 13)			
11 12 26 13-0002 EA Multiple Station Slot Box For Parking Fee Collection.....		2,936.14	84.01
11 12 33 Parking Gates (11 12)			
11 12 33 13 Lift Arm Parking Gates (11 12 33)			
11 12 33 13-0001 Barrier Parking Gate Operators (11 12 33 13)			
11 12 33 13-0002 Barrier Parking Gate Operators (11 12 33 13-0001)			
Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.			
11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,632.08	687.63	
For 230/460 Volt AC, Add	322.50		
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	7,606.98	687.63	
For 230/460 Volt AC, Add	322.50		
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,924.90	687.63	
For 230/460 Volt AC, Add	322.50		
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	11,105.58	687.63	
For 230/460 Volt AC, Add	322.50		
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	10,202.26	687.63	
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,704.22	687.63	
11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes (11 12 33 13-0001)			
Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.			
11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,599.10	1,375.27	
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	26,387.91	1,375.27	
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,787.34	1,375.27	
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	26,576.15	1,375.27	
11 12 33 13-0014 Barrier Parking Gate Operator Accessories (11 12 33 13-0001)			
11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators	261.47	26.16	
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators	236.37	26.16	
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	554.29	26.16	
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	836.64	26.16	
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators	763.44	26.16	
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators	763.44	26.16	
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	930.76	26.16	
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	784.46	156.93	
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	784.46	156.93	
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	783.44		
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B).....	1,855.30		
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,328.92	52.32	
Note: Includes mounting plate and hardware. Excludes concrete foundation.			
11 12 36 Tire Shredders (11 12)			
11 12 36 00-0001 Tire Shredding Traffic Control Spikes (11 12 36)			
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)			
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	3,242.06	418.50	
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)			
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	5,856.37	209.25	
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	4,183.15	209.25	
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00- 0001)			
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,604.01	78.47	
Note: Includes light and mounting post.			
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	2,112.54	104.62	
Note: Includes mounting post and hardware.			
11 13 Loading Dock Equipment (11 10)			
Note: Includes all anchor bolts, drilling and fasteners.			
11 13 13 Loading Dock Bumpers (11 13)			

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0001	Laminated Rubber Dock Bumpers (11 13 13)			
11 13 13 00-0002	4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)			
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	131.16	23.00
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	164.59	23.00
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	211.74	23.00
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	145.41	23.00
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	157.22	23.00
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	178.33	23.00
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	211.74	23.00
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	287.19	23.00
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	164.27	23.00
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	178.33	23.00
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	218.45	23.00
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.91	23.00
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	339.29	23.00
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	201.83	23.00
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	234.92	23.00
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	305.41	23.00
11 13 13 00-0019	6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)			
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	183.25	23.00
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	194.92	23.00
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	223.05	23.00
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	265.89	23.00
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	360.68	23.00
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	209.15	23.00
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	218.74	23.00
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	256.78	23.00
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	313.52	23.00
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	472.41	23.00
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	266.05	23.00
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	304.09	23.00
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	309.16	23.00
11 13 13 00-0033	Extruded Rubber Dock Bumpers (11 13 13)			
11 13 13 00-0034	1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)			
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	71.67	23.00
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	76.37	23.00
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	82.64	23.00
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	88.90	23.00
11 13 13 00-0039	4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)			
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	96.24	23.00
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	116.00	23.00
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	121.69	23.00
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	134.65	23.00
11 13 13 00-0044	6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)			
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	116.06	23.00
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	142.69	23.00
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	164.62	23.00
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	206.47	23.00
11 13 13 00-0049	Molded Rubber Dock Bumpers (11 13 13)			
11 13 13 00-0050	Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)			
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	99.53	23.00
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	87.43	23.00
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	115.04	23.00
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	142.88	23.00
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	149.45	23.00
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	111.87	23.00
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	143.98	23.00
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	210.09	23.00
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	121.48	23.00
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	180.20	23.00
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	179.63	23.00
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	270.10	23.00
11 13 13 00-0063	T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)			
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	170.58	23.00
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	159.21	23.00



Equipment			11
Vehicle and Pedestrian Equipment			11 10
Loading Dock Equipment			11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0066 Vertical Dock Bumpers (11 13 13)		
Note: Made with truck tire material.		
11 13 13 00-0067 EA 11" x 4" x 20", Vertical, Truck Docking Bumpers (U-Line H-2054).....	198.17	20.94
Note: Drilling for fasteners is not included due to differing conditions.		
For Concrete Installation Kit (4 Bolts), Add	89.28	
11 13 13 00-0068 EA 11" x 6" x 20", Vertical, Truck Docking Bumpers (U-Line H-6629).....	255.18	20.94
Note: Drilling for fasteners is not included due to differing conditions.		
For Concrete Installation Kit (4 Bolts), Add	89.28	
11 13 13 00-0069 Horizontal Dock Bumpers (11 13 13)		
Note: Made with truck tire material.		
11 13 13 00-0070 EA 12" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1504).....	125.53	17.72
Note: Drilling for fasteners is not included due to differing conditions.		
For Concrete Installation Kit (4 Bolts), Add	89.28	
11 13 13 00-0071 EA 12" x 6" x 10", Horizontal, Truck Docking Bumpers (U-Line H-5502).....	164.15	17.72
Note: Drilling for fasteners is not included due to differing conditions.		
For Concrete Installation Kit (4 Bolts), Add	89.28	
11 13 13 00-0072 EA 24" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1505).....	187.14	20.94
Note: Drilling for fasteners is not included due to differing conditions.		
For Concrete Installation Kit (4 Bolts), Add	89.28	
11 13 16 Loading Dock Seals and Shelters (11 13)		
11 13 16 13 Loading Dock Seals (11 13 16)		
11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal	94.67	23.00
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal	95.87	23.00
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal	97.06	23.00
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	99.46	23.00
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	101.86	23.00
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	104.29	23.00
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	106.72	23.00
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	109.22	23.00
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	111.72	23.00
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	114.11	23.00
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	116.51	23.00
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	121.37	23.00
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	108.92	23.00
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	110.12	23.00
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.32	23.00
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.75	23.00
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.18	23.00
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.58	23.00
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.97	23.00
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.40	23.00
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.84	23.00
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.23	23.00
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.70	23.00
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.49	23.00
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.51	23.00
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.74	23.00
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.98	23.00
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.37	23.00
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.77	23.00
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.20	23.00
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.63	23.00
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.03	23.00
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.43	23.00
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.86	23.00
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.29	23.00
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.22	23.00
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	88.32	23.00
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	90.20	23.00
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	94.37	23.00

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.48	23.00
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	102.71	23.00
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	106.82	23.00
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	110.98	23.00
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain ^(11 13 16 13-0041)		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	101.79	23.00
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	103.73	23.00
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	107.90	23.00
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.07	23.00
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.18	23.00
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	120.35	23.00
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	124.46	23.00
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain ^(11 13 16 13-0041)		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	109.10	23.00
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.98	23.00
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.21	23.00
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.32	23.00
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.49	23.00
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	127.60	23.00
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.82	23.00
11 13 16 13-0066		Nylon Reinforced Vinyl Dock Air Sealing Systems ^(11 13 16 13)		
11 13 16 13-0067	EA	8' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,004.73	345.28
11 13 16 13-0068	EA	8' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,000.38	345.28
11 13 16 13-0069	EA	8' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,529.10	345.28
11 13 16 13-0070	EA	9' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,235.37	345.28
11 13 16 13-0071	EA	9' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,304.99	345.28
11 13 16 13-0072	EA	9' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,585.67	345.28
11 13 16 23		Loading Dock Shelters ^(11 13 16)		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter ^(11 13 16 23)		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	147.19	28.76
11 13 16 23-0003		Rigid Loading Dock Shelters ^(11 13 16 23)		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	111.28	27.61
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	115.70	27.61
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	120.18	28.76
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	123.23	28.76
11 13 19		Stationary Loading Dock Equipment ^(11 13)		
11 13 19 13		Loading Dock Levelers ^(11 13 19)		
11 13 19 13-0001		Hydraulic Dock Levelers ^(11 13 19 13) Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers ^(11 13 19 13-0001)		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,116.40	1,002.44
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,749.94	1,113.81
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,936.87	1,336.58
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,700.35	1,113.81
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	10,538.64	1,225.20
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	12,636.23	1,447.96
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers ^(11 13 19 13-0001)		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,303.39	1,002.44
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,943.13	1,113.81
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,117.88	1,336.58
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,882.99	1,113.81



Equipment			11
Vehicle and Pedestrian Equipment			11 10
Loading Dock Equipment			11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0014 EA 7' x 8', 25,000 Lb. Hydraulic Dock Leveler	10,707.53	1,225.20
11 13 19 13-0015 EA 7' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,991.17	1,447.96
11 13 19 13-0016 30,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017 EA 6' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,742.35	1,169.51
11 13 19 13-0018 EA 6' x 8', 30,000 Lb. Hydraulic Dock Leveler	10,363.18	1,336.58
11 13 19 13-0019 EA 6' x 10', 30,000 Lb. Hydraulic Dock Leveler	12,623.68	1,559.34
11 13 19 13-0020 EA 7' x 6', 30,000 Lb. Hydraulic Dock Leveler	10,363.18	1,336.58
11 13 19 13-0021 EA 7' x 8', 30,000 Lb. Hydraulic Dock Leveler	11,155.17	1,503.65
11 13 19 13-0022 EA 7' x 10', 30,000 Lb. Hydraulic Dock Leveler	13,415.67	1,615.04
11 13 19 13-0023 35,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0024 EA 6' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,082.83	1,225.20
11 13 19 13-0025 EA 6' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,705.30	1,392.27
11 13 19 13-0026 EA 6' x 10', 35,000 Lb. Hydraulic Dock Leveler	12,049.72	1,615.04
11 13 19 13-0027 EA 7' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,705.30	1,392.27
11 13 19 13-0028 EA 7' x 8', 35,000 Lb. Hydraulic Dock Leveler	11,624.83	1,559.34
11 13 19 13-0029 EA 7' x 10', 35,000 Lb. Hydraulic Dock Leveler	13,934.34	1,670.73
11 13 19 13-0030 40,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031 EA 6' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,672.49	1,225.20
11 13 19 13-0032 EA 6' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,294.16	1,392.27
11 13 19 13-0033 EA 6' x 10', 40,000 Lb. Hydraulic Dock Leveler	13,588.94	1,615.04
11 13 19 13-0034 EA 7' x 6', 40,000 Lb. Hydraulic Dock Leveler	11,294.16	1,392.27
11 13 19 13-0035 EA 7' x 8', 40,000 Lb. Hydraulic Dock Leveler	12,214.69	1,559.34
11 13 19 13-0036 EA 7' x 10', 40,000 Lb. Hydraulic Dock Leveler	14,523.83	1,670.73
11 13 19 13-0037 45,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038 EA 6' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,168.48	1,280.89
11 13 19 13-0039 EA 6' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,800.42	1,447.96
11 13 19 13-0040 EA 6' x 10', 45,000 Lb. Hydraulic Dock Leveler	14,083.21	1,670.73
11 13 19 13-0041 EA 7' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,802.11	1,447.96
11 13 19 13-0042 EA 7' x 8', 45,000 Lb. Hydraulic Dock Leveler	12,714.95	1,615.04
11 13 19 13-0043 EA 7' x 10', 45,000 Lb. Hydraulic Dock Leveler	15,008.87	1,726.41
11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045 20,000 Lb. Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046 EA 6' x 6', 20,000 Lb. Manual Dock Leveler	7,197.52	1,002.44
11 13 19 13-0047 EA 6' x 8', 20,000 Lb. Manual Dock Leveler	7,843.19	1,113.81
11 13 19 13-0048 EA 6' x 10', 20,000 Lb. Manual Dock Leveler	10,017.99	1,336.58
11 13 19 13-0049 EA 7' x 6', 20,000 Lb. Manual Dock Leveler	7,783.21	1,113.81
11 13 19 13-0050 EA 7' x 8', 20,000 Lb. Manual Dock Leveler	8,619.76	1,225.20
11 13 19 13-0051 EA 7' x 10', 20,000 Lb. Manual Dock Leveler	10,913.05	1,336.58
11 13 19 13-0052 40,000 Lb. Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053 EA 6' x 6', 40,000 Lb. Manual Dock Leveler	8,923.33	1,113.81
11 13 19 13-0054 EA 6' x 8', 40,000 Lb. Manual Dock Leveler	9,545.00	1,225.20
11 13 19 13-0055 EA 6' x 10', 40,000 Lb. Manual Dock Leveler	10,353.86	1,447.96
11 13 19 13-0056 EA 7' x 6', 40,000 Lb. Manual Dock Leveler	9,545.00	1,225.20
11 13 19 13-0057 EA 7' x 8', 40,000 Lb. Manual Dock Leveler	10,862.12	1,336.58
11 13 19 13-0058 EA 7' x 10', 40,000 Lb. Manual Dock Leveler	12,774.68	1,559.34
11 13 19 13-0059 Edge Of Dock Levelers (11 13 19 13)		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)		
Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061 EA 66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,337.89	334.15
11 13 19 13-0062 EA 72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,656.31	334.15
11 13 19 13-0063 EA 66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,610.23	334.15
11 13 19 13-0064 EA 72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,047.36	334.15
11 13 19 13-0065 EA 66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,556.26	334.15
11 13 19 13-0066 EA 72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,872.55	334.15
11 13 19 13-0067 Manual Edge Of Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0068 EA 66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,309.51	334.15
11 13 19 13-0069 EA 72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,501.34	334.15
11 13 19 13-0070 EA 66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,560.00	334.15
11 13 19 13-0071 EA 72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,703.85	334.15
11 13 19 13-0072 EA 66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,025.98	334.15

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,443.40	334.15
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,750.49	334.15
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,794.63	334.15
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,375.36	334.15
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,649.70	334.15
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,375.71	334.15
11 13 19 23 Stationary Loading Dock Lifts (11 13 19)				
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts (11 13 19 23)				
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,420.37	231.82
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts (11 13 19 23)				
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted.....	11,597.89	231.82
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted.....	20,822.99	347.74
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted.....	36,473.95	695.48
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted.....	38,248.84	927.31
11 13 19 23-0008 Electric Powered Truck Scissor Dock Lift (11 13 19 23)				
11 13 19 23-0009	EA	5,000 Lb., 96" Length x 72" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-5-68)	15,261.40	837.00
11 13 19 23-0010	EA	6,000 Lb., 96" Length x 96" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-6-88)	18,534.59	837.00
11 13 19 26 Loading Dock Truck Lifts (11 13 19)				
11 13 19 26-0001 Hydraulic Truck Lifts (11 13 19 26)				
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift.....	34,270.22	2,001.07
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift.....	39,226.51	2,401.28
11 13 19 33 Loading Dock Truck Restraints (11 13 19)				
11 13 19 33-0001 Truck Restraint System (11 13 19 33)				
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60)	11,372.18	417.68
Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.				
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4)	11,884.42	417.68
Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.				
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL).....	8,236.33	417.68
Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.				
11 13 23 Portable Dock Equipment (11 13)				
11 13 23 23 Portable Dock Platforms (11 13 23)				
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	16,682.55	130.78
11 13 26 Loading Dock Lights (11 13)				
11 13 26 00-0001 Communication Lights (11 13 26)				
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	425.48	103.29
Note: Excludes control console.				
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	529.79	103.29
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	233.10	82.64
11 13 26 00-0005 Communication Lights Controls (11 13 26)				
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks.....	454.27	137.73
11 13 26 00-0007 Loading Dock Lights (11 13 26)				
11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)				
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	493.28	137.73
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	443.38	137.73
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	569.27	137.73
11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)				
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	665.77	137.73
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	724.91	137.73
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	772.20	137.73



Equipment			11
Vehicle and Pedestrian Equipment			11 10
Loading Dock Equipment			11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0016 Quartz Halogen Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	436.73	137.73
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	474.15	137.73
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	506.08	137.73
11 14 Pedestrian Control Equipment (11 10)		
11 14 13 Pedestrian Gates (11 14)		
11 14 13 16 Rotary Gates (11 14 13)		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)		
11 14 13 16-0002 Mechanical (11 14 13 16-0001)		
11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,089.35	1,541.42
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,818.56	1,541.42
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,673.33	2,299.72
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	28,719.72	2,299.72
11 14 13 16-0008 Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	14,840.81	1,541.42
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,503.27	1,541.42
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	35,112.08	2,299.72
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	31,593.26	2,299.72
11 14 13 16-0013 Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,600.52	1,541.42
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,237.74	1,541.42
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	31,453.40	2,299.72
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	53,373.71	2,299.72
11 14 13 16-0018 Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,802.86	1,541.42
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,873.48	1,541.42
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	39,845.17	2,299.72
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	49,826.28	2,299.72
11 14 13 16-0023 Transparent (11 14 13 16-0002)		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	49,488.64	1,541.65
11 14 13 16-0025 Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	270.19	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add	190.72	
11 14 13 16-0028 Electrical, One-Way (11 14 13 16-0001)		
11 14 13 16-0029 Galvanized Steel (11 14 13 16-0028)		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,855.41	1,541.42
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,587.81	1,541.42
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	32,534.16	2,299.72
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	29,956.23	2,299.72
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	32,534.16	2,299.72
11 14 13 16-0035 Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	15,603.70	1,541.42
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	17,539.53	1,541.42
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	43,688.21	2,299.72
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,845.67	2,299.72
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,429.95	2,299.72
11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,921.57	1,541.42
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,906.97	1,541.42
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,191.35	1,541.42
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	33,204.86	2,299.72

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	36,984.34	2,299.72
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	55,023.46	2,299.72
11 14 13 16-0048		Stainless Steel (11 14 13 16-0028)		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,408.10	1,541.42
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	28,283.53	1,541.42
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	45,808.41	2,299.72
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	52,277.06	2,299.72
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	57,677.67	2,299.72
11 14 13 16-0054		Transparent (11 14 13 16-0028)		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	45,111.57	1,541.65
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	47,768.96	1,541.65
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	48,929.19	1,541.65
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	80,532.53	2,299.72
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	85,650.23	2,299.72
11 14 13 16-0060		Electrical, Two-Way (11 14 13 16-0001)		
11 14 13 16-0061		Galvanized Steel (11 14 13 16-0060)		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	14,961.60	1,541.42
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	16,744.85	1,541.42
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	38,611.83	2,299.72
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	31,930.20	2,299.72
11 14 13 16-0066		Powder Coated Steel (11 14 13 16-0060)		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,573.20	1,541.42
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	18,620.29	1,541.42
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	44,648.18	2,299.72
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	34,835.53	2,299.72
11 14 13 16-0071		Anodized Aluminum (11 14 13 16-0060)		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,011.86	1,541.42
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,952.76	1,541.42
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	29,459.65	1,541.42
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	35,426.77	2,299.72
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	57,086.43	2,299.72
11 14 13 16-0077		Stainless Steel (11 14 13 16-0060)		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	27,482.50	1,541.42
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	29,389.72	1,541.42
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	46,596.72	2,299.72
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	53,866.41	2,299.72
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	59,870.98	2,299.72
11 14 13 16-0083		Transparent (11 14 13 16-0060)		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	46,033.39	1,541.65
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	48,531.85	1,541.65
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	49,965.45	1,541.65
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	82,471.53	2,299.72
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	87,239.58	2,299.72
11 14 13 16-0089		Electrical Options (11 14 13 16-0001)		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add.....	1,058.51	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	743.82	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction.....	244.76	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction.....	244.76	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction.....	193.90	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add.....	190.72	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader.....	174.83	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add.....	4,440.64	
11 14 13 16-0098		Relocate Rotary Gate (11 14 13 16-0001)		
11 14 13 16-0099	EA	Relocate Rotary Gate.....	4,527.87	
11 14 13 19		Turnstiles (11 14 13)		



Equipment			11
Vehicle and Pedestrian Equipment			11 10
Pedestrian Control Equipment			11 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 19-0001 Turnstiles (11 14 13 19)		
11 14 13 19-0002 EA 24" Diameter Manual Turnstile, Three Arm, Two Way.....	2,820.54	434.67
11 14 13 19-0003 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	3,715.58	434.67
11 14 16 Pedestrian Control Devices (11 14)		
11 14 16 00-0001 Retractable Barrier (11 14 16)		
11 14 16 00-0002 EA Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	106.36	23.54
11 14 16 00-0003 EA Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	190.62	23.54
11 14 16 00-0004 EA Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	232.76	23.54
11 14 16 00-0005 EA Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	380.23	23.54
11 20 Commercial Equipment (11)		
11 21 Retail and Service Equipment (11 20)		
11 21 63 Refrigerated Display Equipment (11 21)		
11 21 63 00-0001 Dairy Products (11 21 63)		
11 21 63 00-0002 Refrigerated Dairy Case (11 21 63 00-0001)		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck For Rear Sliding Doors, Add	1,905.56 19.95	361.98
11 21 63 00-0004 Refrigerated Milk Unit (11 21 63 00-0001)		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	9,108.52	262.79
11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser (11 21 63 00-0001)		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	10,098.76	288.59
11 21 63 00-0008 Ice Cream Dispenser (11 21 63 00-0001)		
11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	8,434.76	243.00
11 21 63 00-0010 Drop-In Ice Cream Freezer (11 21 63 00-0001)		
11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,103.46	60.48
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,748.71	79.08
11 21 63 00-0013 Ice Cream Cabinets (11 21 63 00-0001)		
11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet	6,588.12	188.99
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet	9,385.14	272.75
11 21 63 00-0016 Delicatessen Case, Service Deli (11 21 63)		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	1,887.63	301.65
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	2,114.22	361.98
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,429.66	81.11
11 21 63 00-0020 Meat Case (11 21 63)		
11 21 63 00-0021 LF Meat Case, Single - Deck	1,400.45	361.98
11 21 63 00-0022 LF Meat Case, Multi - Deck	1,517.03	361.98
11 21 63 00-0023 Produce Case (11 21 63)		
11 21 63 00-0024 LF Single Deck Produce Case.....	1,458.30	361.98
11 21 63 00-0025 LF Multi-Deck Produce Case	1,609.35	361.98
11 21 63 00-0026 Bottle Coolers (11 21 63)		
11 21 63 00-0027 EA Bottle Cooler, 6' Long	5,411.97	1,206.61
11 21 63 00-0028 EA Bottle Cooler, 10' Long	8,175.84	1,809.90
11 21 63 00-0029 Cold Pan Units (11 21 63)		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	3,371.79	96.23
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	4,684.59	134.63
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	5,538.94	159.24
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units	5,694.23	164.52
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units	6,197.51	177.59
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units	7,363.89	209.88

11	Equipment
11 20	Commercial Equipment
11 21	Retail and Service Equipment



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0036		Cold Cabinets (Insulated) ^(11 21 63)		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,061.50	83.28
11 21 93		Mobile Containment Equipment ^(11 21)		
11 21 93 00-0001		Kontrol Kube Mobile Containment ^(11 21 93)		
11 21 93 00-0002	EA	10' High Uniframe (Kontrol Kube FLK6540)	3,454.98	
11 21 93 00-0003	EA	10' High Length Advanced Enclosure (Kontrol Kube FLK6547)	3,217.54	
11 21 93 00-0004	EA	Unit Wheelbase (Kontrol Kube FLK6543)	1,149.12	
11 21 93 00-0005	EA	Negative Air Machine, High Efficiency Particulate Air (HEPA) (Kontrol Kube 6560-U)	3,057.22	
11 22		Banking Equipment ^(11 20)		
11 22 13		Vault Equipment ^(11 22)		
11 22 13 16		Safes ^(11 22 13)		
11 22 13 16-0001		In Room Safes ^(11 22 13 16)		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	864.94	11.50
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	809.19	11.50
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	842.64	11.50
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25)	942.98	11.50
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41)	976.42	11.50
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49)	1,009.87	11.50
		Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27)	640.02	14.38
		Note: Includes security wire.		
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43)	662.31	14.38
		Note: Includes security wire.		
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50)	684.61	14.38
		Note: Includes security wire.		
11 28		Office Equipment ^(11 20)		
11 28 13		Computers ^(11 28)		
11 28 13 00-0001		Accessories ^(11 28 13)		
11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,237.71	68.76
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	1,519.69	75.64
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,979.75	82.52
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	2,140.96	89.39
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,580.37	75.64
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,648.99	75.64
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	2,336.17	96.27
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	2,483.63	96.27
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	1,314.17	75.64
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	370.38	75.64
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	267.85	75.64
11 30		Residential Equipment ⁽¹¹⁾		
11 30 13		Residential Appliances ^(11 30)		
11 30 13 13		Residential Kitchen Appliances ^(11 30 13)		
		Note: Includes standard colors. Excludes stainless steel.		
11 30 13 13-0001		Ranges With Ovens ^(11 30 13 13)		
		Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens ^(11 30 13 13-0001)		
11 30 13 13-0003	EA	20" Electric Range With Oven	863.69	104.62
		For Stainless Steel, Add	163.61	
11 30 13 13-0004	EA	24" Electric Range With Oven	901.20	104.62
		For Stainless Steel, Add	172.99	
11 30 13 13-0005	EA	30" Electric Range With Oven	852.82	104.62
		For Stainless Steel, Add	187.05	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWV)	1,057.88	104.62
11 30 13 13-0007		Gas Ranges With Ovens ^(11 30 13 13-0001)		



Equipment		11	11
Residential Equipment		11 30	
Residential Appliances		11 30 13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0008	EA	20" Gas Range With Oven..... <i>For Stainless Steel, Add</i>	957.45 187.05	104.62
11 30 13 13-0009	EA	24" Gas Range With Oven..... <i>For Stainless Steel, Add</i>	1,006.21 199.24	104.62
11 30 13 13-0010	EA	30" Gas Range With Oven..... <i>For Stainless Steel, Add</i>	1,051.21 210.49	104.62
11 30 13 13-0011		Range Hoods (11 30 13 13)		
11 30 13 13-0012		Venting Range Hoods (11 30 13 13-0011)		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	304.49 22.13	78.47
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	282.57 18.85	78.47
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	278.72 18.27	78.47
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	282.57 18.85	78.47
11 30 13 13-0017		Non-Ducted Range Hoods (11 30 13 13-0011)		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	307.32 22.56	78.47
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	285.47 19.28	78.47
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	281.61 18.70	78.47
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	285.47 19.28	78.47
11 30 13 13-0022		Microwaves (11 30 13 13)		
11 30 13 13-0023		Countertop Microwaves (11 30 13 13-0022)		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	179.93 23.07	13.08
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	213.66 28.13	13.08
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	219.29 28.97	13.08
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	268.06 36.29	13.08
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	286.81 39.10	13.08
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	305.56 41.91	13.08
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	324.32 44.72	13.08
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	343.07 47.54	13.08
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	363.68 50.63	13.08
11 30 13 13-0033		Over-The-Range Microwaves (11 30 13 13-0022)		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	636.19 71.89	104.61
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	717.59 84.10	104.61
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	743.83 88.04	104.61
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	940.72 117.57	104.61
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	755.10 89.73	104.61
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	536.98	78.46
11 30 13 13-0040		Trash Compactors (11 30 13 13)		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction <i>For Stainless Steel, Add</i>	1,426.25 219.06	104.62
11 30 13 13-0042		Refrigerators (11 30 13 13)		
11 30 13 13-0043		Top Freezer Refrigerators (11 30 13 13-0042)		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	704.67 90.01	52.32
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	852.82 112.23	52.32
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	948.44 126.57	52.32

11 Equipment**11 30 Residential Equipment****11 30 13 Residential Appliances**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,004.70 135.01	52.32
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,154.71 157.51	52.32
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,284.12 176.93	52.32
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,379.74 191.27	52.32
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,409.73	52.32
11 30 13 13-0052 Side-By-Side Refrigerators (11 30 13 13-0042)				
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,417.04 196.86	52.32
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,754.78 247.52	52.32
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,979.80 281.28	52.32
11 30 13 13-0056 Other Refrigerators (11 30 13 13-0042)				
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	236.28 27.59	26.16
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	320.66 40.25	26.16
11 30 13 13-0059 Freezers (11 30 13 13)				
11 30 13 13-0060 Upright Freezers (11 30 13 13-0059)				
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer <i>For Stainless Steel, Add</i>	665.30 84.10	52.32
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer <i>For Stainless Steel, Add</i>	852.82 112.23	52.32
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer <i>For Stainless Steel, Add</i>	909.08 120.67	52.32
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,040.34 140.36	52.32
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,192.22 163.14	52.32
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,267.24 174.39	52.32
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,323.48 182.83	52.32
11 30 13 13-0068 Chest Freezers (11 30 13 13-0059)				
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	535.90 64.69	52.32
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer <i>For Stainless Steel, Add</i>	667.16 84.38	52.32
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer <i>For Stainless Steel, Add</i>	714.06 91.42	52.32
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer <i>For Stainless Steel, Add</i>	798.43 104.07	52.32
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer <i>For Stainless Steel, Add</i>	852.82 112.23	52.32
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,040.34 140.36	52.32
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,284.12 176.93	52.32
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,323.48 182.83	52.32
11 30 13 13-0077 Automatic Ice Makers (11 30 13 13)				
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,455.74	104.62
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,737.02	104.62
11 30 13 13-0080 Built-In Dishwashers (11 30 13 13)				
11 30 13 13-0081	EA	18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	1,203.09 149.08	104.62
11 30 13 13-0082	EA	24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	809.30 90.01	104.62
11 30 13 13-0083 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)				
Note: Includes storage, cleaning and final connections.				
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	156.93	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	313.87	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	334.80	



			Equipment	11	11
			Residential Equipment	11 30	
			Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood.....	156.93	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer.....	261.56	
11 30 13 13-0089 Appliance Repair (11 30 13 13)				
Note: Includes removal.				
11 30 13 13-0090	EA	8" Burner Replacement.....	35.99	
11 30 13 13-0091	EA	4" Burner Element Replacement	62.44	
11 30 13 13-0092	EA	8" Burner Element Replacement	71.92	
11 30 13 13-0093	EA	Burner Manifold Replacement	248.83	
11 30 13 13-0094	EA	Burner Switch Replacement	99.46	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement.....	47.66	
11 30 13 13-0096	EA	Oven Control Replacement	118.62	
11 30 13 13-0097	EA	Oven Door Gasket Replacement.....	48.97	
11 30 13 13-0098	EA	Oven Element Replacement	111.10	
11 30 13 13-0099	EA	Oven Igniter Replacement	79.88	
11 30 13 13-0100	EA	Oven Knobs Replacement.....	60.68	
11 30 13 13-0101 Accessories (11 30 13 13)				
11 30 13 13-0102	SF	Colored Metal Range Splash Plate.....	19.23	4.18
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	27.96	4.18
11 30 13 13-0104 Automatic Water Softener (11 30 13 13)				
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,251.83	222.13
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,482.18	222.13
11 30 13 23 Residential Laundry Appliances (11 30 13)				
11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)				
11 30 13 23-0002 Washing Machines (11 30 13 23-0001)				
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine.....	925.74	104.62
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,469.55	104.62
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,938.35	104.62
11 30 13 23-0006 Dryers (11 30 13 23-0001)				
11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)				
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	717.61	104.62
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	906.99	104.62
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,113.26	104.62
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,263.28	104.62
11 30 13 23-0012 Gas Dryers (11 30 13 23-0006)				
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	850.74	104.62
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,038.26	104.62
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,225.57	104.62
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,394.54	104.62
11 30 13 23-0017 Washer and Dryer Accessories (11 30 13 23-0001)				
See CSI section 22 11 19 00-0209 for washer boxes and dryer outlets.				
11 30 13 23-0018	EA	1" Height, Washer/Dryer Stacking Kit (Miele WTV 502)	158.18	7.84
11 30 13 23-0019	EA	4-3/4" Height, Washer/Dryer Stacking Kit With Drawer (Miele WTV 512).....	376.68	9.16
11 30 13 23-0020	EA	13" Height, Washer/Dryer Stacking Kit With Drawer (Miele WTS 510).....	739.10	10.46
11 30 33 Retractable Stairs (11 30)				
11 30 33 00-0001 Disappearing Folding Access Stairs (11 30 33)				
11 30 33 00-0002 250 Lb. Capacity, Wood Folding Access Stairs (11 30 33 00-0001)				
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity.....	821.45	230.19
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity.....	838.81	230.19
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity.....	838.81	230.19
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity.....	855.74	230.19
11 30 33 00-0007 350 Lb. Capacity, Wood Folding Access Stairs (11 30 33 00-0001)				
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	979.91	230.19
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,015.01	230.19
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,000.58	230.19
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,034.11	230.19
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,020.62	230.19
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,078.58	230.19

11 Equipment**11 30 Residential Equipment****11 30 33 Retractable Stairs**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0014		350 Lb. Capacity, Wood Folding Access Stairs (11 30 33 00-0001) Note: 1 x 6 treads, 1 x 5 stringers. Bessler Stairway Company, Model Space Saver.		
11 30 33 00-0015	EA	22-1/2" x 48" Rough Opening, 8' 5" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,266.53	230.19
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,315.39	230.19
11 30 33 00-0017	EA	22-1/2" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,364.24	230.19
11 30 33 00-0018	EA	22-1/2" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,364.24	230.19
11 30 33 00-0019	EA	22-1/2" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,388.67	230.19
11 30 33 00-0020	EA	25-1/2" x 48" Rough Opening, 8' 5" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,295.31	230.19
11 30 33 00-0021	EA	25-1/2" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,344.17	230.19
11 30 33 00-0022	EA	25-1/2" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,393.02	230.19
11 30 33 00-0023	EA	25-1/2" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,393.02	230.19
11 30 33 00-0024	EA	25-1/2" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,417.45	230.19
11 30 33 00-0025	EA	30" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,446.22	230.19
11 30 33 00-0026	EA	30" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,495.08	230.19
11 30 33 00-0027	EA	30" x 60" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,592.80	230.19
11 30 33 00-0028	EA	30" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,617.22	230.19
11 30 33 00-0029	EA	30" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,641.65	230.19
11 30 33 00-0030	EA	30" x 60" Rough Opening, 10' 6" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity.....	1,666.08	230.19
11 30 33 00-0031		400 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001) Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0032	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity.....	2,016.77	230.19
11 30 33 00-0033	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity.....	2,090.06	230.19
11 30 33 00-0034	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity.....	2,163.34	230.19
11 30 33 00-0035	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity.....	2,212.20	230.19
11 30 33 00-0036		600 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001) Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0037	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,383.21	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	271.16	
11 30 33 00-0038	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,432.06	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	278.49	
11 30 33 00-0039	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,456.49	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	282.15	
11 30 33 00-0040	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,529.78	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	293.15	
11 30 33 00-0041	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,685.05	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	307.81	
11 30 33 00-0042	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,807.19	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	326.13	
11 30 33 00-0043	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity.....	2,929.34	230.19
		<i>For Ladder Width 18 7/8" Wide, Add</i>	344.45	
11 30 33 00-0044		800 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001) Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0045	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,492.79	230.19
11 30 33 00-0046	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,541.65	230.19
11 30 33 00-0047	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,590.51	230.19
11 30 33 00-0048	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,712.65	230.19
11 30 33 00-0049	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,843.48	230.19
11 30 33 00-0050	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	4,916.77	230.19
11 30 33 00-0051	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	5,038.91	230.19
11 30 33 00-0052	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	5,267.46	230.19
11 30 33 00-0053	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	5,487.33	230.19
11 30 33 00-0054	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	5,756.04	230.19
11 30 33 00-0055	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity.....	6,000.34	230.19



Equipment			11
Residential Equipment			11 30
Retractable Stairs			11 30 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 30 33 00-0056			300 Lb. Capacity, Aluminum Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0057	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	695.56	230.19
11 30 33 00-0058	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	717.45	230.19
11 30 33 00-0059	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	701.66	230.19
11 30 33 00-0060	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	723.53	230.19
11 30 33 00-0061	EA		25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	845.37	230.19

11 30 33 00-0062			300 Lb. Capacity, Steel Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0063	EA		22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	701.57	230.19
11 30 33 00-0064	EA		22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	727.17	230.19

11 32 Unit Kitchens (11 30)

11 32 13 Metal Unit Kitchens (11 32)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001			30" Compact Kitchen (11 32 13)		
11 32 13 00-0002	EA		30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,619.53	603.07
			For Gas Unit, Add	272.32	
11 32 13 00-0003	EA		30" Compact Unit Kitchen With Refrigerator And Sink	2,210.70	422.15
11 32 13 00-0004	EA		30" Compact Unit Kitchen With Refrigerator And Range	2,018.17	361.84
11 32 13 00-0005	EA		30" Compact Unit Kitchen Cabinet For Upper Wall Section	632.80	172.57
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0006	EA		30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,274.03	230.09
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0007	EA		30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	86.66	20.92
11 32 13 00-0008	EA		30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	78.69	20.92

11 32 13 00-0009			42" Compact Kitchen (11 32 13)		
11 32 13 00-0010	EA		42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,043.15	663.38
			For Gas Unit, Add	323.80	
11 32 13 00-0011	EA		42" Compact Unit Kitchen With Refrigerator And Sink	2,734.79	542.76
11 32 13 00-0012	EA		42" Compact Unit Kitchen Cabinet For Upper Wall Section	798.68	195.58
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0013	EA		42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,476.59	258.85
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0014	EA		42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	102.97	20.92
11 32 13 00-0015	EA		42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	87.29	20.92

11 32 13 00-0016			54" Compact Kitchen (11 32 13)		
11 32 13 00-0017	EA		54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,109.76	844.30
			For Gas Unit, Add	447.61	
11 32 13 00-0018	EA		54" Compact Unit Kitchen Cabinet For Upper Wall Section	987.56	115.04
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0019	EA		54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,641.98	287.62
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0020	EA		54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	119.26	20.92
11 32 13 00-0021	EA		54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	91.25	20.92

11 32 13 00-0022			60" Compact Kitchen (11 32 13)		
11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,326.26	904.60
			For Gas Unit, Add	468.02	
11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,174.53	287.62
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	125.98	20.92
11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	91.25	20.92

11 32 13 00-0027			72" Compact Kitchen (11 32 13)		
11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,638.66	964.91
			For Gas Unit, Add	502.82	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,433.40	345.14
			For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	146.43	26.16
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	96.01	26.16

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 13 00-0001 Frozen Food Cases (11 41 13)		
11 41 13 00-0002 LF Chest Type Frozen Food Case.....	1,448.08	361.98
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	2,759.14	361.98
11 41 13 00-0004 LF Island Type Frozen Food Case.....	1,677.58	361.98
11 41 13 00-0005 LF Multi-Deck Frozen Food Case	2,648.08	361.98
11 41 13 00-0006 Reach-In Refrigeration (11 41 13)		
11 41 13 00-0007 Reach-In Refrigerators (11 41 13 00-0006)		
11 41 13 00-0008 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,022.34	197.53
11 41 13 00-0009 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,647.93	249.14
11 41 13 00-0010 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	11,573.01	275.24
11 41 13 00-0011 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,305.02	197.53
11 41 13 00-0012 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,203.89	249.14
11 41 13 00-0013 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,918.51	275.24
11 41 13 00-0014 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,448.57	197.53
11 41 13 00-0015 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	11,434.46	249.14
11 41 13 00-0016 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,568.42	197.53
11 41 13 00-0017 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	12,350.80	249.14
11 41 13 00-0018 EA One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH).....	1,375.45	59.74
11 41 13 00-0019 EA One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29)	1,967.64	59.74
11 41 13 00-0020 Reach-In Freezers (11 41 13 00-0006)		
11 41 13 00-0021 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	7,906.68	197.77
11 41 13 00-0022 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	10,488.74	248.79
11 41 23 Walk-In-Coolers (11 41)		
11 41 23 00-0001 Walk-In Refrigerated Boxes (11 41 23)		
Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.		
11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,472.47	1,390.96
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-4,404.38	
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,378.11	1,564.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-5,322.92	
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,666.92	1,738.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-5,587.16	
11 41 23 00-0006 EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,762.07	2,086.45
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-6,245.41	
11 41 23 00-0007 EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,994.56	2,434.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-7,187.68	
11 41 23 00-0008 EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,264.47	2,781.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-7,888.65	
11 41 23 00-0009 EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,471.19	3,129.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-8,574.58	
11 41 23 00-0010 EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,746.06	1,738.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-5,856.95	
11 41 23 00-0011 EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,167.13	1,912.57
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-6,404.43	
11 41 23 00-0012 EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,620.23	2,260.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-7,151.29	
11 41 23 00-0013 EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,300.99	2,608.05
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-8,205.90	
11 41 23 00-0014 EA 8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,820.28	2,955.79
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-8,970.16	
11 41 23 00-0015 EA 8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,463.43	3,303.53
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-9,764.48	
11 41 23 00-0016 EA 8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,980.73	3,651.28
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-10,528.74	



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,609.87	3,999.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,319.11	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,144.96	4,346.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,087.32	
11 41 23 00-0019			Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,021.67	2,086.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,310.31	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,833.26	2,434.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,147.35	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,827.87	2,781.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,029.50	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,578.92	3,129.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,851.51	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,642.97	3,477.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,752.64	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,386.61	3,825.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,570.70	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	55,467.17	4,172.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,476.57	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,198.57	4,520.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,293.84	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,267.58	4,868.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,194.97	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,022.75	5,216.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,016.99	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,323.87	5,737.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,918.91	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,277.12	6,259.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,736.17	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,671.33	2,608.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,048.48	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,140.01	2,955.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,050.09	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,210.38	3,303.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,951.22	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,658.09	3,651.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,948.08	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,749.26	3,999.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,853.96	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,195.77	4,346.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,850.03	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,258.94	4,694.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,751.16	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,732.83	5,042.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,752.76	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,921.04	5,476.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,653.89	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,603.17	5,998.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,650.75	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,920.02	6,520.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,556.63	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,592.27	7,041.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,552.70	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	91,885.01 -20,453.83	7,563.35
11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)					
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.					
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	52,667.75 -12,123.72	3,129.66
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	57,700.18 -13,266.94	3,477.40
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	63,171.71 -14,516.97	3,825.14
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	68,204.83 -15,660.99	4,172.88
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	73,648.30 -16,906.27	4,520.63
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	78,707.84 -18,055.04	4,868.36
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	84,156.08 -19,300.32	5,216.11
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	89,425.58 -20,444.33	5,737.71
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	95,109.89 -21,694.37	6,259.33
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	100,406.09 -22,837.59	6,780.94
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	106,066.18 -24,083.66	7,302.54
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	111,358.75 -25,231.64	7,737.22
11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)					
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.					
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	63,294.43 -14,607.17	3,651.28
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	69,170.46 -15,959.26	3,999.01
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	74,844.84 -17,262.29	4,346.75
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	80,730.84 -18,619.13	4,694.49
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	86,410.45 -19,922.17	5,042.23
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	92,402.51 -21,274.26	5,476.90
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	98,328.34 -22,582.05	5,998.52
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	104,430.05 -23,934.14	6,520.13
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	110,330.17 -25,237.17	7,041.74
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	116,445.74 -26,594.01	7,563.35
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	74,198.65 -17,159.44	4,172.88
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	80,243.39 -18,555.05	4,520.63



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	86,628.92 -20,035.31	4,868.36
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	92,662.62 -21,426.95	5,216.11
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	99,292.91 -22,911.17	5,737.71
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	105,543.69 -24,302.82	6,259.33
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	112,188.03 -25,783.07	6,780.94
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	118,446.24 -27,178.68	7,302.54
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	125,067.95 -28,658.94	7,824.16
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	131,541.69 -30,050.58	8,461.68
11 41 23 00-0079			Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,618.07 -4,690.78	1,390.96
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	23,821.16 -5,433.68	1,564.83
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,122.65 -5,951.10	1,738.70
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,433.00 -6,663.14	2,086.45
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	33,760.43 -7,629.15	2,434.18
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	37,245.53 -8,383.91	2,781.93
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	40,547.19 -9,093.58	3,129.66
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	27,322.05 -6,250.95	1,738.70
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,838.06 -6,822.16	1,912.57
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	33,506.35 -7,622.82	2,260.31
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	38,282.06 -8,701.17	2,608.05
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	42,016.54 -9,519.22	2,955.79
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	45,754.62 -10,337.28	3,303.53
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	49,487.12 -11,155.34	3,651.28
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	53,211.20 -11,969.44	3,999.01
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	56,961.49 -12,791.46	4,346.75
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	33,787.53 -7,751.77	2,086.45

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	37,814.32 -8,642.62	2,434.18
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	41,903.87 -9,548.50	2,781.93
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	45,870.11 -10,424.31	3,129.66
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	50,029.11 -11,349.17	3,477.40
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	53,987.94 -12,221.03	3,825.14
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	58,163.44 -13,150.64	4,172.88
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	62,110.04 -14,021.71	4,520.63
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	66,273.98 -14,946.57	4,868.36
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	70,244.35 -15,822.39	5,216.11
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	74,640.41 -16,748.04	5,737.71
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	78,808.85 -17,619.11	6,172.39
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	41,867.59 -9,597.55	2,608.05
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	46,431.20 -10,622.89	2,955.79
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	50,716.77 -11,577.82	3,303.53
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	55,259.42 -12,598.41	3,651.28
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	59,565.79 -13,558.09	3,999.01
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	64,107.23 -14,577.89	4,346.75
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	68,385.60 -15,532.82	4,694.49
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	72,954.43 -16,558.16	5,042.23
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	77,357.83 -17,519.07	5,476.90
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	82,134.90 -18,533.69	5,998.52
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	86,666.95 -19,493.36	6,520.13
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	91,434.14 -20,513.17	7,041.74
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	95,942.07 -21,468.09	7,563.35
11 41 23 00-0122		Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	55,053.88 -12,720.25	3,129.66
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	60,301.51 -13,917.27	3,477.40



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,867.98	3,825.14	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,191.04		
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,116.29	4,172.88	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,388.85		
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,654.70	4,520.63	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,657.87		
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,929.43	4,868.36	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,860.43		
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,472.62	5,216.11	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,129.45		
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	92,957.32	5,737.71	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,327.27		
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	98,736.56	6,259.33	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,601.03		
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	104,247.96	6,780.94	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,798.06		
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	110,002.99	7,302.54	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,067.87		
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	115,510.75	7,824.16	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,269.64		
11 41 23 00-0135		Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)			
		Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.			
11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	66,110.95	3,651.28	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,311.30		
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,081.92	3,999.01	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,687.12		
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,971.50	4,346.75	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,043.96		
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,952.44	4,694.49	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,424.53		
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,847.25	5,042.23	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,781.37		
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	95,934.24	5,476.90	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,157.19		
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,075.26	5,998.52	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,518.78		
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	108,271.91	6,520.13	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,894.60		
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	114,387.23	7,041.74	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,251.44		
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	120,597.74	7,563.35	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,632.01		
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,205.05	4,172.88	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,911.04		
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,464.99	4,520.63	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,360.45		
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,945.45	4,868.36	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,864.44		
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	96,194.35	5,216.11	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,309.89		
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,919.59	5,737.71	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,817.84		
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	109,385.55	6,259.33	
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,263.28		

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	116,124.84 -26,767.28	6,780.94
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	122,598.24 -28,216.68	7,302.54
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	129,314.89 -29,720.67	7,824.16
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door <i>For Refrigerated Boxes Without Floor, Deduct</i>	136,003.83 -31,166.12	8,461.68
11 41 23 00-0156		Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)		
11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.34	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.49	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.50	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	24.68	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.28	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.98	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.79	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.66	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.29	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	17.87	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.45	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.32	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.94	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	54.91	
11 41 23 00-0171		Air-Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)		
11 41 23 00-0172		Medium Temperature Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173		208/230 Volt, 1 Phase (11 41 23 00-0172) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,633.06	166.60
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,937.79	194.37
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,842.89	222.13
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,374.14	249.90
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,122.10	277.66
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,115.24	333.19
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,423.65	388.72
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,310.55	444.26
11 41 23 00-0182		208/230 Volt, 3 Phase (11 41 23 00-0172) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,852.80	222.13
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,374.14	249.90
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,211.31	277.66
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,009.05	333.19
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,423.65	388.72
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,187.36	444.26
11 41 23 00-0189		Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190		208/230 Volt, 1 Phase (11 41 23 00-0189) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,048.91	166.60
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,555.77	194.37
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,407.59	222.13
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,671.21	249.90
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,158.24	277.66
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,148.55	333.19
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,908.18	388.72
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,663.43	444.26
11 41 23 00-0199		208/230 Volt, 3 Phase (11 41 23 00-0189) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,364.32	222.13
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,688.75	249.90
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,249.45	277.66
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,062.03	333.19



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,935.08		388.72
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,555.85		444.26
11 41 23 00-0206	Low Temperature Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0207	208/230 Volt, 1 Phase (11 41 23 00-0206) Note: Pre-Assembled indoor R404a.				
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,413.25		166.60
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,637.26		194.37
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,942.01		222.13
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,405.29		249.90
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,052.72		277.66
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,504.63		333.19
11 41 23 00-0214	208/230 Volt, 3 Phase (11 41 23 00-0206) Note: Pre-Assembled indoor R404a.				
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,951.92		222.13
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,405.29		249.90
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,144.76		277.66
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,402.68		333.19
11 41 23 00-0219	Low Temperature Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0220	208/230 Volt, 1 Phase (11 41 23 00-0219) Note: Pre-Assembled outdoor R404a.				
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,955.10		166.60
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,037.51		194.37
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,359.65		222.13
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,891.03		249.90
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,517.21		277.66
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,456.07		333.19
11 41 23 00-0227	208/230 Volt, 3 Phase (11 41 23 00-0219) Note: Pre-Assembled outdoor R404a.				
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,571.29		222.13
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,995.10		249.90
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,601.40		277.66
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,370.72		333.19
11 41 23 00-0232	Medium Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0233	208/230 Volt, 1 Phase (11 41 23 00-0232) Note: Pre-Assembled indoor R404a.				
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,271.92		222.13
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,691.82		444.26
11 41 23 00-0236	208/230 Volt, 3 Phase (11 41 23 00-0232) Note: Pre-Assembled indoor R404a.				
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,277.59		222.13
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,087.43		277.66
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,602.70		333.19
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,461.02		444.26
11 41 23 00-0241	Medium Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0242	208/230 Volt, 1 Phase (11 41 23 00-0241) Note: Pre-Assembled outdoor R404a.				
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,671.85		222.13
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,484.37		444.26

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0245		208/230 Volt, 3 Phase (11 41 23 00-0241) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,683.54	222.13
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,886.71	277.66
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,365.24	333.19
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,883.62	444.26
11 41 23 00-0250		Low Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		208/230 Volt, 1 Phase (11 41 23 00-0250) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,459.92	194.37
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,960.07	222.13
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,347.96	249.90
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,837.88	277.66
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,714.22	333.19
11 41 23 00-0257		208/230 Volt, 3 Phase (11 41 23 00-0250) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,420.28	194.37
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,954.41	222.13
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,294.15	249.90
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,744.42	277.66
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	13,217.22	333.19
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	18,532.01	388.72
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	19,486.01	499.79
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	28,179.45	583.09
11 41 23 00-0266		Low Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		208/230 Volt, 1 Phase (11 41 23 00-0266) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,863.02	194.37
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,191.01	222.13
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,369.00	249.90
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,617.24	277.66
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,050.44	333.19
11 41 23 00-0273		208/230 Volt, 3 Phase (11 41 23 00-0266) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,760.13	194.37
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,195.68	222.13
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,351.47	249.90
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,530.71	277.66
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,679.78	333.19
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	17,048.07	388.72
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	17,977.45	499.79
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	25,321.14	583.09
11 41 23 00-0282		Walk-In Refrigerated Boxes Accessories (11 41 23)		
11 41 23 00-0283		Accessories (11 41 23 00-0282)		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door.....	1,457.04	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA	Super Door Package, For 48" Door.....	2,055.16	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA	Super Door Package, For 60" Door.....	2,055.16	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated.....	2,452.41	
11 41 23 00-0288	EA	Heated Air Vent, Kason.....	790.97	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally.....	2,072.65	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors.....	3,122.31	



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0291	EA		Interior Ramps For 48" Wide Doors.....	3,422.95	
11 41 23 00-0292	EA		Interior Ramps For 60" Wide Doors.....	3,771.06	
11 41 23 00-0293	EA		Exterior Ramps For 36" Or 42" Wide Doors.....	1,204.54	
11 41 23 00-0294	EA		Exterior Ramps For 48" Wide Doors.....	2,293.18	
11 41 23 00-0295	EA		Exterior Ramps For 60" Wide Doors.....	2,293.18	
11 41 23 00-0296	EA		Field Installed Extra Vapor-Proof Lights	223.02	
11 41 23 00-0297	EA		Field Installed Fluorescent Lights, 48", 2 Tubes	1,352.79	
11 41 23 00-0298	EA		Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,093.34	
11 41 23 00-0299	EA		Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,254.74	
11 41 23 00-0300	EA		Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,511.03	
11 41 23 00-0301	EA		Locking Devices, 36" Or 42" Wide Locking Bar	817.97	
11 41 23 00-0302	EA		Locking Devices, 48" Wide Locking Bar	944.56	
11 41 23 00-0303	EA		Locking Devices, 60" Wide Locking Bar	944.56	
11 41 23 00-0304	EA		Locking Devices, Cooler, Mortise Dead Bolt.....	1,742.04	
11 41 23 00-0305	EA		Locking Devices, Freezer, Mortise Dead Bolt.....	2,159.78	
11 41 23 00-0306	EA		Blast Freezer Kit, For 36" Or 42" Wide Doors.....	3,514.73	
11 41 23 00-0307	EA		Blast Freezer Kit, For 48" Wide Doors.....	3,717.26	
11 41 23 00-0308	EA		Blast Freezer Kit, For 60" Wide Doors.....	3,824.86	
11 41 23 00-0309	EA		Hardware Options, Polished For 36" Or 42" Door.....	174.05	
11 41 23 00-0310	EA		Hardware Options, Polished For 48" Or 60" Door.....	142.41	
11 41 23 00-0311	EA		Hardware Options, Chrome For 36" Or 42" Door.....	439.88	
11 41 23 00-0312	EA		Hardware Options, Chrome For 48" Or 60" Door.....	237.35	
11 41 23 00-0313	EA		Hardware Options, Positive Latch, 36" Or 42" Door	535.32	
11 41 23 00-0314	EA		Hardware Options, Strap Hinges, 36" Or 42" Door	383.42	
11 41 23 00-0315	EA		4" Screed Door	923.89	
11 41 23 00-0316	EA		Doors Cut For Tile	1,151.74	
11 41 23 00-0317	EA		84" High Doors (36" Wide).....	1,151.74	
11 41 23 00-0318	EA		Doors Raised Or Lowered In Panel	2,825.83	
11 41 23 00-0319	EA		57-1/2" Door Section.....	680.21	
11 41 23 00-0320	EA		3 Way, Interior And Exterior, Light Switches.....	643.92	
11 41 23 00-0321	EA		3 Way (1 Side Only) Light Switch	324.85	
11 41 23 00-0322	EA		Structural Support, 5" Reinforcing Ceilings (Every 23")	611.77	
11 41 23 00-0323	EA		Structural Support, 6" Reinforcing Ceilings (Every 23")	788.99	
11 41 23 00-0324	LF		Structural Support, Self-Supporting Standard Angle.....	81.49	
11 41 23 00-0325	LF		Structural Support, Self-Supporting 6" Channel.....	107.59	
11 41 23 00-0326	LF		Structural Support, Self-Supporting 8" Channel.....	159.02	
11 41 23 00-0327	LF		Structural Support, Self-Supporting 10" Channel.....	257.92	
11 41 23 00-0328	LF		Structural Support, Suspended Ceiling Support	43.46	
11 41 23 00-0329	LF		Factory Prepared Opening, Foam Cut Opening.....	13.56	
11 41 23 00-0330	LF		Factory Prepared Opening, Metal Capped Opening.....	55.38	
11 41 23 00-0331	LF		Factory Prepared Opening, Wood Framed Opening	21.68	
11 41 23 00-0332	LF		Factory Prepared Opening, Metal Capped Wood Framed Opening	85.45	
11 41 23 00-0333	LF		Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	111.44	
11 41 23 00-0334	SF		Outdoor Weather Roofs, Aluminum Roof Caps	44.60	
11 41 23 00-0335	SF		Outdoor Weather Roofs, Membrane Roof Caps	17.41	
11 41 23 00-0336	SF		Outdoor Weather Roofs, Painted Aluminum Roofs.....	55.40	
11 41 23 00-0337	SF		1/8" Aluminum Tread Plate	105.49	
11 41 23 00-0338	SF		3/16" Aluminum Tread Plate	128.96	
11 41 23 00-0339	EA		Digitemp Display Thermometer (Indoor Exterior Wall).....	669.79	
11 41 23 00-0340	EA		4-1/2" Dial Type Thermometer With 5' Cap Tube	597.01	
11 41 23 00-0341	EA		6" Dial Type Thermometer With 5' Cap Tube	2,024.26	
11 41 23 00-0342	EA		2" Dial Type Thermometer (Standard)	179.27	
11 41 23 00-0343	LF		Extra Capillary Tubing	26.62	
11 41 23 00-0344			Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282) Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High	7,318.62	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	360.14	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	7,976.32	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	392.73	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High	8,203.65	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	403.81	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	8,874.02	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	437.04	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High	8,683.60	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	427.23	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	9,338.15	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	459.66	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High	9,533.83	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	469.16	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	10,466.86	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	515.52	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,048.61	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	494.32	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,706.31	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	526.91	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,949.45	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	538.78	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,610.33	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	571.53	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,395.02	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	660.48	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	7,995.85	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	394.00	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,552.29	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	421.53	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,820.75	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	434.66	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,563.91	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	471.53	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,335.52	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	459.82	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,075.51	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	496.53	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,347.14	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	509.82	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,087.13	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	546.53	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,858.76	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	534.82	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,598.74	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	571.53	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,870.36	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	584.82	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,610.36	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	621.53	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,381.96	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	609.83	
11 41 23 00-0371		Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282) Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model.....	3,142.48	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model.....	3,433.63	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model.....	3,462.11	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model.....	3,829.21	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model.....	4,202.64	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model.....	4,468.46	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model.....	4,484.29	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model.....	5,218.48	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101.....	4,272.26	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101.....	5,291.27	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101.....	5,648.87	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101.....	5,769.13	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101.....	6,506.49	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101.....	7,221.70	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101.....	7,354.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101.....	7,845.13	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401.....	3,373.50	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401.....	3,553.89	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401.....	4,778.60	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401.....	4,098.20	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401.....	4,550.75	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401.....	4,762.78	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401.....	4,778.60	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401.....	5,690.01	



Equipment			11	11
Foodservice Equipment			11 40	
Foodservice Storage Equipment			11 41	

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)					
11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,061.65		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,118.07		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,250.45		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,319.54		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,432.40		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,232.00		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,259.94		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,395.49		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,458.25		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,669.21		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,345.39		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,357.52		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,556.36		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,562.15		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,804.76		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	897.09		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	940.85		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,035.25		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,053.71		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,204.54		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	991.49		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,063.73		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,126.50		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,138.63		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,349.58		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,092.22		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,132.83		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,217.74		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,261.51		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,478.80		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,499.03		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,789.18		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,843.99		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,898.82		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,508.53		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,622.49		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,785.16		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,085.12		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,208.58		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,926.14		
		For Cantilever Shelving, Add	402.00		
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,834.19		
		For Cantilever Shelving, Add	402.00		

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	3,094.92	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	3,394.88	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	3,518.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	4,471.23	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,249.92	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,350.66	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,467.21	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,574.27	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,706.12	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,493.07	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,527.34	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,691.36	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,773.11	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,031.54	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,631.77	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,681.87	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,868.05	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,905.50	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,195.57	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,050.55	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,103.82	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,220.37	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,241.98	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,427.64	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,195.59	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,280.50	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,469.83	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,450.32	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,626.47	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,318.47	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,368.57	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,475.63	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,525.74	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts.....	1,796.83	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,050.80	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,412.04	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,479.11	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,546.19	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	4,305.44	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,203.68	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,405.57	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,779.06	
			<i>For Cantilever Shelving, Add</i>	472.00	



Equipment			11	11
Foodservice Equipment			11 40	
Foodservice Storage Equipment			11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0480 EA 18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,931.94 472.00	
11 41 23 00-0481 EA 18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,826.00 472.00	
11 41 23 00-0482 EA 21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,466.86 472.00	
11 41 23 00-0483 EA 21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,791.32 472.00	
11 41 23 00-0484 EA 21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,164.82 472.00	
11 41 23 00-0485 EA 21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,317.69 472.00	
11 41 23 00-0486 EA 21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	5,505.92 472.00	
11 41 23 00-0487 Replace Insulated Wall For Walk-In Refrigerated Boxes (11 41 23)		
11 41 23 00-0488 SF Removal And Replacement Of Galvalume Insulated Freezer Wall Panels..... <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	74.04 3.06	
11 41 23 00-0489 SF Removal and Replacement Of Galvalume Insulated Freezer Ceiling Panels..... <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	76.61 3.06	
11 41 31 Non-Refrigerated Storage Equipment (11 41)		
11 41 31 00-0001 Wall Cabinets (11 41 31)		
11 41 31 00-0002 EA 48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	3,889.51	89.85
11 41 31 00-0003 EA 72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	5,132.15	118.61
11 41 31 00-0004 EA 72" Wall Cabinet With Hinged Doors..... Note: 15" deep and 24" high.	5,890.79	135.98
11 41 31 00-0005 EA 72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	3,770.29	86.74
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)		
11 41 31 00-0007 EA 2 Level Mobile Sheet Pan Truck.....	363.76	7.56
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)		
11 41 31 00-0009 EA 70" Bench Type Pot And Utensil Rack.....	1,060.12	23.04
11 41 31 00-0010 EA 94" Bench Type Pot And Utensil Rack.....	1,229.32	26.04
11 41 31 00-0011 EA 94" Ceiling Type Pot And Utensil Rack.....	1,461.30	31.20
11 41 31 00-0012 EA 96" Wall Type Pot And Utensil Rack.....	794.62	17.04
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)		
11 41 31 00-0014 EA 33" x 22-1/2" x 42" Tray And Silverware Cart	3,668.87	77.76
11 41 31 00-0015 Flat Top Utility Units (11 41 31)		
11 41 31 00-0016 EA 39" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,501.30	53.16
11 41 31 00-0017 EA 79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	3,352.09	71.04
11 41 33 Foodservice Shelving (11 41)		
11 41 33 00-0001 Shelving/Racks (11 41 33)		
11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)		
11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0004 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	327.46	42.15
11 41 33 00-0005 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	344.21	42.50
11 41 33 00-0006 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	364.94	42.84
11 41 33 00-0007 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	377.83	43.20
11 41 33 00-0008 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	402.43	43.55
11 41 33 00-0009 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	423.24	43.90
11 41 33 00-0010 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	439.99	44.24
11 41 33 00-0011 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	477.50	44.94
11 41 33 00-0012 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	356.00	42.50
11 41 33 00-0013 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	368.88	42.84
11 41 33 00-0014 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	381.79	43.20
11 41 33 00-0015 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	418.24	43.55
11 41 33 00-0016 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	442.91	43.90
11 41 33 00-0017 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	475.40	44.24
11 41 33 00-0018 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	488.22	44.59
11 41 33 00-0019 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	533.69	45.29
11 41 33 00-0020 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	372.83	42.84
11 41 33 00-0021 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	401.38	43.20
11 41 33 00-0022 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	422.20	43.55

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0023 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	446.78	43.90
11 41 33 00-0024 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	463.62	44.24
11 41 33 00-0025 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	504.04	44.59
11 41 33 00-0026 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	524.74	44.94
11 41 33 00-0027 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	578.05	45.63
11 41 33 00-0028 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	409.37	43.20
11 41 33 00-0029 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	426.15	43.55
11 41 33 00-0030 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	438.95	43.90
11 41 33 00-0031 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	471.52	44.24
11 41 33 00-0032 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	492.25	44.59
11 41 33 00-0033 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	532.65	44.94
11 41 33 00-0034 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	561.19	45.29
11 41 33 00-0035 EA 24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	630.29	45.98
11 41 33 00-0036 EA 30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	536.38	43.55
11 41 33 00-0037 EA 30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	600.30	43.90
11 41 33 00-0038 EA 30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	640.78	44.24
11 41 33 00-0039 EA 30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	732.40	44.59
11 41 33 00-0040 EA 36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	591.68	44.94
11 41 33 00-0041 EA 36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	651.83	45.29
11 41 33 00-0042 EA 36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	727.57	45.63
11 41 33 00-0043 EA 36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	850.29	46.33

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0045 EA 14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	331.33	42.15
11 41 33 00-0046 EA 14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	348.09	42.50
11 41 33 00-0047 EA 14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	368.80	42.84
11 41 33 00-0048 EA 14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	381.71	43.20
11 41 33 00-0049 EA 14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	406.30	43.55
11 41 33 00-0050 EA 14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	427.09	43.90
11 41 33 00-0051 EA 14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	443.87	44.24
11 41 33 00-0052 EA 14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	481.35	44.94
11 41 33 00-0053 EA 18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	359.85	42.50
11 41 33 00-0054 EA 18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	372.75	42.84
11 41 33 00-0055 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	385.66	43.20
11 41 33 00-0056 EA 18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	422.10	43.55
11 41 33 00-0057 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	446.78	43.90
11 41 33 00-0058 EA 18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	479.25	44.24
11 41 33 00-0059 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	492.09	44.59
11 41 33 00-0060 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	499.31	45.29
11 41 33 00-0061 EA 21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	376.70	42.84
11 41 33 00-0062 EA 21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	405.25	43.20
11 41 33 00-0063 EA 21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	426.05	43.55
11 41 33 00-0064 EA 21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	450.64	43.90
11 41 33 00-0065 EA 21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	467.49	44.24
11 41 33 00-0066 EA 21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	507.89	44.59
11 41 33 00-0067 EA 21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	528.62	44.94
11 41 33 00-0068 EA 21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	581.92	45.63
11 41 33 00-0069 EA 24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	413.24	43.20
11 41 33 00-0070 EA 24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	430.01	43.55
11 41 33 00-0071 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	442.83	43.90
11 41 33 00-0072 EA 24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	475.40	44.24
11 41 33 00-0073 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.13	44.59
11 41 33 00-0074 EA 24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	536.51	44.94
11 41 33 00-0075 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	565.04	45.29
11 41 33 00-0076 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	634.16	45.98
11 41 33 00-0077 EA 30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	540.23	43.55
11 41 33 00-0078 EA 30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	604.18	43.90
11 41 33 00-0079 EA 30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	644.64	44.24
11 41 33 00-0080 EA 30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	736.25	44.59
11 41 33 00-0081 EA 36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	595.53	44.94
11 41 33 00-0082 EA 36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	655.68	45.29
11 41 33 00-0083 EA 36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	731.49	45.63
11 41 33 00-0084 EA 36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	854.14	46.33

11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0086 EA 14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	333.35	42.15
11 41 33 00-0087 EA 14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	350.10	42.50
11 41 33 00-0088 EA 14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	370.81	42.84
11 41 33 00-0089 EA 14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.73	43.20
11 41 33 00-0090 EA 14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	408.32	43.55
11 41 33 00-0091 EA 14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	429.11	43.90
11 41 33 00-0092 EA 14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	445.88	44.24
11 41 33 00-0093 EA 14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	483.37	44.94
11 41 33 00-0094 EA 18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	361.89	42.50
11 41 33 00-0095 EA 18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	374.77	42.84
11 41 33 00-0096 EA 18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	387.68	43.20
11 41 33 00-0097 EA 18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	424.13	43.55
11 41 33 00-0098 EA 18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	448.80	43.90
11 41 33 00-0099 EA 18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	481.27	44.24



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	494.11	44.59	
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	539.58	45.29	
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	378.72	42.84	
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	407.27	43.20	
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	428.07	43.55	
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	452.65	43.90	
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	469.51	44.24	
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	509.91	44.59	
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	530.64	44.94	
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	583.94	45.63	
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	415.26	43.20	
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	432.02	43.55	
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	444.84	43.90	
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	477.42	44.24	
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	498.14	44.59	
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	538.54	44.94	
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	567.06	45.29	
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	636.18	45.98	
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	542.25	43.55	
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	606.19	43.90	
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	646.67	44.24	
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	738.27	44.59	
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	597.55	44.94	
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	657.70	45.29	
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	733.48	45.63	
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	856.16	46.33	
11 41 33 00-0126		74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)			
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	339.22	42.15	
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	356.00	42.50	
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	376.70	42.84	
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	389.62	43.20	
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	414.21	43.55	
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	435.00	43.90	
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	451.77	44.24	
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	489.26	44.94	
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	367.76	42.50	
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	380.66	42.84	
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	393.57	43.20	
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	430.01	43.55	
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	454.67	43.90	
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	487.16	44.24	
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	500.00	44.59	
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	545.45	45.29	
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	384.61	42.84	
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	413.16	43.20	
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.96	43.55	
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	458.54	43.90	
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	475.40	44.24	
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	515.80	44.59	
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	536.51	44.94	
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	589.83	45.63	
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	421.15	43.20	
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	437.91	43.55	
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	450.73	43.90	
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	483.29	44.24	
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	504.04	44.59	
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	544.41	44.94	
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	572.95	45.29	
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	642.07	45.98	
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	548.14	43.55	
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	612.08	43.90	
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	652.54	44.24	
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	744.16	44.59	
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	603.44	44.94	
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	663.59	45.29	
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	739.39	45.63	
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	862.05	46.33	
11 41 33 00-0167		86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)			
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	354.96	42.15	
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	371.71	42.50	
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	392.42	42.84	
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	405.33	43.20	
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	429.93	43.55	
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	450.73	43.90	
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	467.49	44.24	
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	505.00	44.94	
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	383.49	42.50	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	396.37	42.84
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	409.29	43.20
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	445.74	43.55
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	470.40	43.90
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	502.90	44.24
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	515.72	44.59
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	561.19	45.29
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	400.33	42.84
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	428.88	43.20
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	449.69	43.55
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	474.26	43.90
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	491.11	44.24
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	531.53	44.59
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	552.24	44.94
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	605.54	45.63
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	436.86	43.20
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	453.63	43.55
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	466.45	43.90
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	499.02	44.24
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	519.75	44.59
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	560.15	44.94
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	588.67	45.29
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	657.78	45.98
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	563.86	43.55
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	627.80	43.90
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	668.28	44.24
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	759.88	44.59
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	619.16	44.94
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	679.31	45.29
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	755.13	45.63
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	877.76	46.33
11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)				
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	413.03	42.15
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	433.71	42.50
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	459.36	42.84
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.22	43.20
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	505.71	43.55
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	531.45	43.90
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	552.14	44.24
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	598.49	44.94
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	448.43	42.50
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	464.29	42.84
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	480.16	43.20
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	525.46	43.55
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	556.03	43.90
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	596.39	44.24
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	612.15	44.59
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	668.46	45.29
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	469.24	42.84
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	504.66	43.20
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	530.41	43.55
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	560.86	43.90
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	581.67	44.24
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	631.92	44.59
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	657.56	44.94
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	723.66	45.63
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	514.64	43.20
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	535.34	43.55
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	551.10	43.90
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	591.56	44.24
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	617.20	44.59
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	667.42	44.94
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	702.83	45.29
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	788.70	45.98
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	673.13	43.55
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	752.79	43.90
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	803.11	44.24
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	917.37	44.59
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	741.21	44.94
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	816.13	45.29
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	910.63	45.63
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,063.42	46.33
11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)				
11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	355.82	42.15
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	372.91	42.50



		Equipment	11	11
		Foodservice Equipment	11 40	
		Foodservice Storage Equipment	11 41	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	394.10		42.84
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	411.20		43.20
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	436.43		43.55
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	457.52		43.90
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	478.71		44.24
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	512.91		44.94
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	384.96		42.50
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	398.13		42.84
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	423.25		43.20
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	452.48		43.55
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	477.67		43.90
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	510.81		44.24
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	536.04		44.59
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	574.38		45.29
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	402.13		42.84
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	435.38		43.20
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	456.48		43.55
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	481.69		43.90
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	498.78		44.24
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	544.07		44.59
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	565.26		44.94
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	627.64		45.63
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	443.40		43.20
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	460.50		43.55
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	473.67		43.90
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	506.81		44.24
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	544.07		44.59
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	585.31		44.94
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	618.55		45.29
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	693.05		45.98
11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	363.85		42.15
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	380.94		42.50
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	402.13		42.84
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	419.23		43.20
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	444.45		43.55
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	465.55		43.90
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	486.74		44.24
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	520.94		44.94
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	392.99		42.50
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	406.15		42.84
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	431.28		43.20
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	460.50		43.55
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	485.70		43.90
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	518.84		44.24
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	544.07		44.59
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	582.35		45.29
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	410.15		42.84
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	443.40		43.20
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	464.51		43.55
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	489.72		43.90
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	506.81		44.24
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	552.09		44.59
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	573.28		44.94
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	635.66		45.63
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	451.43		43.20
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	468.53		43.55
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	481.69		43.90
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	514.83		44.24
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	552.09		44.59
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	593.34		44.94
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	626.58		45.29
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	701.08		45.98
11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	371.87		42.15
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	388.96		42.50
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	410.15		42.84
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	427.26		43.20
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	452.48		43.55
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	473.57		43.90
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	494.76		44.24
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	528.96		44.94
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	401.01		42.50
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	414.18		42.84
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	439.30		43.20
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	468.53		43.55
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	493.72		43.90

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0330 EA 18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	526.86	44.24
11 41 33 00-0331 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	552.09	44.59
11 41 33 00-0332 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	590.38	45.29
11 41 33 00-0333 EA 21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.18	42.84
11 41 33 00-0334 EA 21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	451.43	43.20
11 41 33 00-0335 EA 21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	472.53	43.55
11 41 33 00-0336 EA 21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	497.74	43.90
11 41 33 00-0337 EA 21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	514.83	44.24
11 41 33 00-0338 EA 21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	560.12	44.59
11 41 33 00-0339 EA 21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	581.31	44.94
11 41 33 00-0340 EA 21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	643.69	45.63
11 41 33 00-0341 EA 24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	459.45	43.20
11 41 33 00-0342 EA 24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	476.55	43.55
11 41 33 00-0343 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	489.72	43.90
11 41 33 00-0344 EA 24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	522.86	44.24
11 41 33 00-0345 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	560.12	44.59
11 41 33 00-0346 EA 24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	601.36	44.94
11 41 33 00-0347 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	634.60	45.29
11 41 33 00-0348 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	709.10	45.98
11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0350 EA 14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	392.02	42.15
11 41 33 00-0351 EA 14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	409.11	42.50
11 41 33 00-0352 EA 14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	430.30	42.84
11 41 33 00-0353 EA 14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	447.40	43.20
11 41 33 00-0354 EA 14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	472.63	43.55
11 41 33 00-0355 EA 14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	493.72	43.90
11 41 33 00-0356 EA 14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	514.91	44.24
11 41 33 00-0357 EA 14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	549.11	44.94
11 41 33 00-0358 EA 18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	421.16	42.50
11 41 33 00-0359 EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	434.33	42.84
11 41 33 00-0360 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	459.45	43.20
11 41 33 00-0361 EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	488.68	43.55
11 41 33 00-0362 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	513.87	43.90
11 41 33 00-0363 EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	547.01	44.24
11 41 33 00-0364 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	572.24	44.59
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	610.53	45.29
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	438.33	42.84
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	471.58	43.20
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	492.68	43.55
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	517.89	43.90
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	534.98	44.24
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	580.27	44.59
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	601.46	44.94
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	663.84	45.63
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	479.60	43.20
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.70	43.55
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	509.87	43.90
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	543.01	44.24
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	580.27	44.59
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	621.51	44.94
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	654.75	45.29
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	729.25	45.98
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	652.48	43.20
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	714.93	43.90
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	797.45	44.59
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	847.78	45.29
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	710.85	43.90
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	817.53	44.59
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	900.03	45.29
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,022.77	45.98
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	660.51	43.20
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	722.97	43.90
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	805.48	44.59
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	855.81	45.29
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	718.87	43.90
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	825.55	44.59
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	908.06	45.29
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,030.79	45.98
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	668.54	43.20



Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	731.00	43.90
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	813.53	44.59
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	863.83	45.29
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	726.90	43.90
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	833.58	44.59
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	916.09	45.29
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,038.84	45.98
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	688.69	43.20
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	751.13	43.90
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	833.66	44.59
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	883.98	45.29
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	747.05	43.90
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	853.73	44.59
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	936.24	45.29
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,058.97	45.98
11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	667.22	43.20
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	770.78	43.90
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	901.48	44.59
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,038.31	45.29
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	779.40	43.90
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	898.09	44.59
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,053.43	45.29
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,258.42	45.98
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	688.81	43.20
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	792.37	43.90
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	926.14	44.59
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,059.89	45.29
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	800.99	43.90
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	919.67	44.59
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,075.01	45.29
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,280.01	45.98
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	710.39	43.20
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	813.95	43.90
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	947.72	44.59
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,081.48	45.29
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	822.57	43.90
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	941.26	44.59
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,096.60	45.29
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,301.59	45.98
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,348.23	43.20
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,488.91	43.90
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,675.59	44.59
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,788.43	45.29
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,611.65	43.90
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,895.25	44.59
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,102.15	45.29
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,411.45	45.98
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,388.43	43.20
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,531.55	43.90
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,721.53	44.59
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,836.28	45.29
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,651.87	43.90
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,935.46	44.59
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,144.62	45.29
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,457.39	45.98
11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,428.65	43.20

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0466 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,570.99	43.90
11 41 33 00-0467 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,759.98	44.59
11 41 33 00-0468 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,874.19	45.29
11 41 33 00-0469 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,692.08	43.90
11 41 33 00-0470 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,975.68	44.59
11 41 33 00-0471 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,183.55	45.29
11 41 33 00-0472 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,494.30	45.98
11 41 33 00-0473 Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474 EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	288.50	31.07
11 41 33 00-0475 EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	303.93	31.93
11 41 33 00-0476 EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	321.49	32.80
11 41 33 00-0477 EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	354.01	33.66
11 41 33 00-0478 EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	382.26	34.52
11 41 33 00-0479 EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	309.85	31.07
11 41 33 00-0480 EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	338.11	31.93
11 41 33 00-0481 EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	355.67	32.80
11 41 33 00-0482 EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	386.05	33.66
11 41 33 00-0483 EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	420.70	34.52
11 41 33 00-0484 Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485 EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	766.64	32.80
11 41 33 00-0486 EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	960.03	33.66
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,618.96	34.52
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	838.06	32.80
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,042.74	33.66
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,764.93	34.52
11 41 33 00-0491 Mobile Racks (11 41 33 00-0001)		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	3,146.87	52.31
11 41 33 00-0493 Can Racks (11 41 33 00-0001)		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	4,285.44	52.31
Note: 156 #10 cans capacity		
11 42 Food Preparation Equipment (11 40)		
11 42 13 Food Preparation Appliances (11 42)		
11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart	18,502.56	266.93
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart	21,384.53	296.60
11 42 13 00-0004 EA Bench Type Mixers, 60 Quart	26,524.84	427.10
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart	29,590.69	533.87
11 42 13 00-0006 Choppers (11 42 13)		
11 42 13 00-0007 EA Choppers, 5 Lb.	4,547.79	237.28
11 42 13 00-0008 EA Choppers, 16 Lb.	6,682.53	308.46
11 42 13 00-0009 EA Choppers, 35 LB - 40 Lb./Min, 2 HP	10,881.66	337.29
11 42 13 00-0010 EA Choppers, 35 LB - 40 Lb./Min, 3 HP	12,370.19	337.29
11 42 13 00-0011 Stand Model Mixer (11 42 13)		
11 42 13 00-0012 EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,384.53	91.67
11 42 13 00-0013 EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,728.21	91.67
11 42 13 00-0014 EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,601.41	91.67
11 42 13 00-0015 EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	9,778.52	112.71
11 42 13 00-0016 Floor Model Mixer (11 42 13)		
11 42 13 00-0017 EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,618.47	91.67
11 42 13 00-0018 EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	5,013.61	101.87
11 42 13 00-0019 EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	8,647.73	114.59
11 42 13 00-0020 EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1).....	18,581.29	112.71
11 42 13 00-0021 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1).....	22,811.50	115.67
11 42 13 00-0022 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1).....	29,051.40	118.64



Equipment			11
Foodservice Equipment			11 40
Food Preparation Equipment			11 42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	42,900.70	148.29
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,953.65	189.82
11 42 13 00-0025 Slicers (11 42 13)				
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	764.48	28.65
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	1,116.67	28.65
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,611.70	28.65
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,743.21	28.65
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	3,026.08	28.65
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	7,214.18	28.65
11 42 13 00-0032 Peelers (11 42 13)				
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,875.27	192.78
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,477.78	224.82
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,928.37	257.09
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115).....	6,176.30	192.78
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1).....	12,495.07	224.82
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1).....	13,309.28	257.09
11 42 13 00-0039 Proof Boxes (11 42 13)				
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box.....	3,322.49	77.76
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box.....	5,559.51	130.32
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box.....	3,356.88	59.16
11 42 13 00-0043 Non-Insulated Heated Proof Cabinet (11 42 13)				
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	3,499.29	74.52
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	3,754.10	79.67
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	3,475.59	73.92
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	3,683.63	78.36
11 42 13 00-0048 Insulated Heated Proof Cabinet (11 42 13)				
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	5,692.10	131.62
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	5,948.30	137.59
11 42 13 00-0051 Pass-Thru Hot Food Holding Cabinet (11 42 13)				
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	7,978.86	249.14
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	8,487.90	249.14
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	10,834.95	261.00
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,874.79	261.00
11 42 16 Food Preparation Surfaces (11 42)				
11 42 16 00-0001 Tables (11 42 16)				
11 42 16 00-0002 Baker's Table (11 42 16 00-0001)				
11 42 16 00-0003	EA	4' Open Base Baker's Table	892.82	58.68
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,752.30	115.04
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,162.07	141.97
11 42 16 00-0006	EA	10' Three Drawers Baker's Table.....	2,318.92	152.44
11 42 16 00-0007	EA	10' Bins Baker's Table	3,411.77	224.34
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table.....	5,357.43	352.15
11 42 16 00-0009 Preparation Table, Stainless Steel, With Under Shelf (11 42 16 00-0001)				
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,219.06	30.94
11 42 16 00-0011	EA	30" x 72" Marine Edge Stainless Steel Preparation Table With Under Shelf.....	1,313.47	37.16
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf.....	1,985.78	50.51
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front (11 42 16 00-0001)				
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	1,283.61	32.55
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	1,649.80	41.87
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	1,417.17	36.01
11 42 16 00-0017	EA	36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	1,705.81	43.37
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	344.60	8.74
11 42 16 00-0019 Mobile Tables (11 42 16 00-0001)				
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,217.06	27.72
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,737.08	33.25
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	1,468.92	37.39

11 Equipment**11 40 Foodservice Equipment****11 42 Food Preparation Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric (11 42 16 00-0001)		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,623.44	66.73
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,127.95	54.07
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables	176.62	4.49
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	258.42	6.56
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,186.41	121.80
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,318.04	243.00
11 42 16 00-0030 Basic Table (11 42 16 00-0001)		
11 42 16 00-0031 LF Table, Basic	307.80	29.08
11 42 16 00-0032 Table With Sink (11 42 16)		
11 42 16 00-0033 LF Table With Sink.....	378.79	46.32
11 42 23 Food Preparation Scullery Sinks (11 42)		
11 42 23 00-0001 Stainless Steel Scullery Sinks (11 42 23)		
Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002 EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	2,987.00	194.37
For Additional Drain Board, Add 276.49		
11 42 23 00-0003 EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board.....	4,243.02	222.13
For Additional Drain Board, Add 396.54		
11 42 23 00-0004 EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,636.53	222.13
For Additional Drain Board, Add 530.33		
11 42 23 00-0005 EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	8,060.40	222.13
For Additional Drain Board, Add 761.61		
11 42 23 00-0006 EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	4,991.02	222.13
11 42 23 00-0007 EA 36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-2-36-X)	1,179.62	194.37
11 42 23 00-0008 EA 39" Wide, Double 16" Length x 20" Width x 12" Depth Compartment, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-0X).....	1,612.88	194.37
11 42 23 00-0009 EA 54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-3-54-X)	1,405.39	222.13
11 44 Food Cooking Equipment (11 40)		
11 44 13 Commercial Ranges (11 44)		
11 44 13 00-0001 Range (11 44 13)		
11 44 13 00-0002 EA Heavy-Duty Range, With 34" Open Top Oven.....	2,886.20	118.64
11 44 13 00-0003 EA Range With Fry Top.....	2,886.20	118.64
11 44 13 00-0004 EA Steel Finish Fry Top.....	6,106.14	146.27
11 44 13 00-0005 EA Stainless Top Only Fry Top	6,103.45	144.60
11 44 13 00-0006 EA Stainless Top And 2 Sides Fry Top	7,052.68	168.36
11 44 13 00-0007 EA 6 Burner Gas Range (Vulcan #260L).....	6,364.06	150.00
Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.		
11 44 13 00-0008 EA 48" Range With Casters (Vulcan 48C-4B24GN)	15,948.70	104.62
11 44 16 Commercial Ovens (11 44)		
11 44 16 00-0001 Bake Oven (11 44 16)		
11 44 16 00-0002 EA 55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	21,648.01	405.39
11 44 16 00-0003 EA 55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,648.01	405.39
11 44 16 00-0004 EA 74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,350.99	405.39
11 44 16 00-0005 EA 74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,350.99	405.39
11 44 16 00-0006 EA 55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	41,919.52	463.31
11 44 16 00-0007 EA 55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	41,919.52	463.31
11 44 16 00-0008 EA 74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,337.56	463.31
11 44 16 00-0009 EA 74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,337.56	463.31
11 44 16 00-0010 EA 55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	66,663.63	579.13
11 44 16 00-0011 EA 55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	66,663.63	579.13
11 44 16 00-0012 EA 74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	93,787.26	579.13
11 44 16 00-0013 EA 74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	93,787.26	579.13
11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens (11 44 16)		
11 44 16 00-0015 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	10,009.70	26.16
11 44 16 00-0016 EA 800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,940.34	26.16
11 44 16 00-0017 EA 4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,679.22	26.16
11 44 16 00-0018 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	7,133.87	26.16



Equipment			11
Foodservice Equipment			11 40
Food Cooking Equipment			11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0019	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	7,424.71	26.16
11 44 16 00-0020	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	7,424.71	26.16
11 44 16 00-0021	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	7,424.71	26.16
11 44 16 00-0022	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	7,424.71	26.16
11 44 16 00-0023	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	7,424.71	26.16
11 44 16 00-0024	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	13,812.36	26.16
11 44 16 00-0025	EA		6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	12,805.88	26.16
11 44 16 00-0026	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	6,840.62	26.16
11 44 16 00-0027	EA		3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	5,591.57	26.16
11 44 16 00-0028	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	6,080.33	26.16
11 44 16 00-0029	EA		6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	14,536.44	26.16
11 44 16 00-0030	EA		5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	12,977.25	26.16
11 44 16 00-0031	EA		1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	9,076.84	26.16
11 44 16 00-0032	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	18,266.69	26.16
11 44 16 00-0033	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	18,266.69	26.16
11 44 16 00-0034	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	18,942.51	26.16
11 44 16 00-0035	EA		11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	18,942.51	26.16
11 44 16 00-0036	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	10,044.70	26.16
11 44 16 00-0037	EA		5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	10,009.70	26.16
11 44 16 00-0038	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i1-9500-400).....	12,209.71	26.16
11 44 16 00-0039	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef i1-9500-104).....	10,636.03	26.16
11 44 16 00-0040	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	11,883.88	26.16
11 44 16 00-0041	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	12,461.94	26.16
11 44 16 00-0042	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	11,034.28	26.16
11 44 16 00-0043	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	13,414.11	26.16
11 44 16 00-0044	EA		6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	14,011.48	26.16
11 44 16 00-0045	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	10,587.76	26.16
11 44 16 00-0046	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	10,165.38	26.16
11 44 16 00-0047	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	10,165.38	26.16
11 44 16 00-0048	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK).....	10,708.44	26.16
11 44 16 00-0049	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	10,708.44	26.16
11 44 16 00-0050	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef i1-9500-1).....	11,636.48	26.16
11 44 16 00-0051	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	15,589.99	26.16
11 44 16 00-0052	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	15,589.99	26.16
11 44 16 00-0053	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	16,241.67	26.16
11 44 16 00-0054	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	16,241.67	26.16
11 44 16 00-0055	EA		10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1).....	14,613.68	26.16
11 44 16 00-0056	EA		5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	10,986.01	26.16
11 44 16 00-0057			Combination Ovens (11 44 16) Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	25,762.17	207.61
11 44 16 00-0059	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	42,253.71	237.28
11 44 16 00-0060	EA		35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	34,910.31	237.28
11 44 16 00-0061	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	84,225.70	296.60

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	63,949.95		296.60
11 44 16 00-0063		Countertop Electric Convection Type Ovens (11 44 16)			
11 44 16 00-0064	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	250.72		13.08
11 44 16 00-0065	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	403.32		13.08
11 44 16 00-0066	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	474.39		13.08
11 44 16 00-0067	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	609.13		13.08
11 44 16 00-0068	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,103.17		13.08
11 44 16 00-0069	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,282.83		13.08
11 44 16 00-0070	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	223.77		13.08
11 44 16 00-0071	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	367.49		13.08
11 44 16 00-0072	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,039.44		13.08
11 44 16 00-0073	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	946.11		13.08
11 44 16 00-0074	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,284.44		13.08
11 44 16 00-0075	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,079.67		13.08
11 44 16 00-0076		Electric Convection Type Ovens (11 44 16)			
11 44 16 00-0077	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,558.77		52.32
11 44 16 00-0078	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	9,041.99		104.62
11 44 16 00-0079	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	9,041.99		104.62
11 44 16 00-0080	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	9,041.99		104.62
11 44 16 00-0081	EA	22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	9,041.99		104.62
11 44 16 00-0082	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,914.34		104.62
11 44 16 00-0083	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,457.17		52.32
11 44 16 00-0084	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,457.17		52.32
11 44 16 00-0085	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,183.70		52.32
11 44 16 00-0086	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,457.17		52.32
11 44 16 00-0087	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,457.17		52.32
11 44 16 00-0088	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,367.42		104.62
11 44 16 00-0089	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,963.12		52.32
11 44 16 00-0090	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,926.25		104.62
11 44 16 00-0091	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,914.34		104.62
11 44 16 00-0092	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,864.47		104.62
11 44 16 00-0093		Natural Gas Convection Type Ovens (11 44 16)			
11 44 16 00-0094	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	4,704.69		52.32
11 44 16 00-0095	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	9,331.35		104.62
11 44 16 00-0096	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	16,076.39		104.62
11 44 16 00-0097	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	15,396.08		104.62
11 44 16 00-0098	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	14,375.62		104.62
11 44 16 00-0099	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,038.19		52.32
11 44 16 00-0100	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,142.82		104.62



Equipment			11
Foodservice Equipment			11 40
Food Cooking Equipment			11 44

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0101	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	22,457.26	104.62
11 44 16 00-0102	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	7,187.81	52.32
11 44 16 00-0103	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	19,698.02	104.62
11 44 16 00-0104	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	29,262.32	104.62
11 44 16 00-0105	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	22,457.26	104.62
11 44 16 00-0106	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	18,397.43	104.62
11 44 16 00-0107	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	16,376.52	104.62
11 44 16 00-0108	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	7,698.04	52.32
11 44 16 00-0109		Liquid Propane Convection Type Ovens (11 44 16)		
11 44 16 00-0110	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L).....	9,331.35	104.62
11 44 16 00-0111	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP).....	16,076.39	104.62
11 44 16 00-0112	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K).....	8,038.19	52.32
11 44 16 00-0113	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	30,318.79	104.62
11 44 16 00-0114	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	14,375.62	104.62
11 44 16 00-0115	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP).....	15,396.08	104.62
11 44 16 00-0116	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	7,698.04	52.32
11 44 16 00-0117	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	7,187.81	52.32
11 44 16 00-0118		Broiler, Without Oven (11 44 16)		
11 44 16 00-0119	EA	69" x 26" x 39" Broiler Without Oven.....	7,992.68	189.82
11 44 16 00-0120	EA	Conveyor Broiler.....	7,113.10	220.31
11 44 16 00-0121		Oven Stands (11 44 16)		
11 44 16 00-0122	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	2,043.49	
11 44 16 00-0123		Triple Conveyor Oven (11 44 16)		
11 44 16 00-0124	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	63,551.59	209.25
11 44 16 00-0125	EA	Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	63,551.59	209.25
11 44 16 00-0126	EA	Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	121,312.88	209.25
11 44 16 00-0127	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	117,478.02	209.25
11 44 16 00-0128	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	117,478.02	209.25
11 44 16 00-0129	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	121,312.88	209.25
11 44 16 00-0130	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	121,312.88	209.25
11 44 16 00-0131		Countertop Pizza Oven (11 44 16)		

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0132	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,808.03		26.16
11 44 16 00-0133		Rotary Deck Pizza Oven (11 44 16)			
11 44 16 00-0134	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	40,352.35		104.62
11 44 19		Commercial Cooking Equipment (11 44)			
11 44 19 00-0001		Drop-In Electric Griddle (11 44 19)			
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,536.11		163.13
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,443.48		163.13
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle.....	7,373.86		177.96
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,819.53		177.96
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle.....	11,300.02		192.78
11 44 19 00-0007		Countertop Griddle (11 44 19)			
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	560.85		147.45
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	699.67		147.45
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	780.65		147.45
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	987.75		147.45
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,073.93		147.45
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,383.16		147.45
11 44 19 00-0014		Panini Sandwich Grill (11 44 19)			
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	607.28		104.62
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	476.77		104.62
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	476.77		104.62
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	476.77		104.62
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	925.54		104.62
11 44 19 00-0020		Electric Countertop Fryer, With Basket (11 44 19)			
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	906.20		104.62
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	1,928.58		104.62
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	7,037.30		104.62
11 44 19 00-0024		Electric Floor Fryer, With Basket (11 44 19)			
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	7,157.95		237.28
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,512.18		237.28
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,949.00		308.46
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	24,530.29		308.46
11 44 19 00-0029		Natural Gas Floor Fryer, With Basket (11 44 19)			
11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,411.64		167.40
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,624.11		209.25
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518).....	2,396.73		418.50
11 44 19 00-0033		Steamers, Electric (11 44 19)			
11 44 19 00-0034		Cooking Equipment/ Steamers (11 44 19 00-0033)			
11 44 19 00-0035	EA	3 Pan, Electric Countertop Convection Steamer.....	11,757.11		249.14
11 44 19 00-0036	EA	5 Pan, Electric Countertop Convection Steamer.....	15,506.96		261.00
11 44 19 00-0037	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	10,872.18		249.14
11 44 19 00-0038	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	15,889.05		261.00
11 44 19 00-0039		Braising Pans (11 44 19)			
11 44 19 00-0040	EA	24" x 24", 240 Volt, Tilting Braising Pan.....	9,430.59		209.16
11 44 19 00-0041	EA	24" x 31", 240 Volt, Tilting Braising Pan.....	9,951.79		219.95
11 44 19 00-0042	EA	24" x 41", 240 Volt, Tilting Braising Pan.....	10,599.43		234.23
11 44 19 00-0043	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	12,293.92		272.75
11 44 19 00-0044	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	12,712.66		281.16
11 44 19 00-0045	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	13,206.85		288.59
11 44 19 00-0046		Toasters (11 44 19)			
11 44 19 00-0047	EA	Bun Toaster 3.2 KW.....	1,869.19		44.87
11 44 19 00-0048	EA	Bun Toaster 4.3 KW.....	2,039.96		48.90
11 44 19 00-0049	EA	Pop-Up Toaster, 2 Slot	869.31		128.48
11 44 19 00-0050	EA	Conveyor Toaster	1,518.81		192.78



Equipment			11
Foodservice Equipment			11 40
Food Cooking Equipment			11 44

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0051	Microwave Ovens (11 44 19)			
11 44 19 00-0052	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	201.21	13.08
11 44 19 00-0053	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	220.67	13.08
11 44 19 00-0054	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	285.50	13.08
11 44 19 00-0055	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D).....	363.31	13.08
11 44 19 00-0056	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	454.09	13.08
11 44 19 00-0057	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	285.50	13.08
11 44 19 00-0058	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	332.84	13.08
11 44 19 00-0059	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	586.37	13.08
11 44 19 00-0060	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	714.76	13.08
11 44 19 00-0061	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,496.72	13.08
11 44 19 00-0062	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	414.94	13.08
11 44 19 00-0063	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	564.39	13.08
11 44 19 00-0064	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	434.65	13.08
11 44 19 00-0065	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	382.78	13.08
11 44 19 00-0066	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	738.10	13.08
11 44 19 00-0067	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	343.87	13.08
11 44 19 00-0068	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	712.16	13.08
11 44 19 00-0069	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12).....	789.97	13.08
11 44 19 00-0070	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,322.95	13.08
11 44 19 00-0071	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,228.28	13.08
11 44 19 00-0072	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,444.85	13.08
11 44 19 00-0073	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,354.07	13.08
11 44 19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,520.06	13.08
11 44 19 00-0075	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	4,093.54	13.08
11 44 19 00-0076	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	5,424.05	13.08
11 44 19 00-0077	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,695.13	13.08
11 44 19 00-0078	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	5,278.16	13.08
11 44 19 00-0079	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24).....	3,259.06	13.08
11 44 19 00-0080	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18).....	880.74	13.08
11 44 19 00-0081	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	932.62	13.08
11 44 19 00-0082	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	997.46	13.08
11 44 19 00-0083	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2).....	2,395.40	13.08
11 44 19 00-0084	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	802.94	13.08
11 44 19 00-0085	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182).....	1,753.48	13.08
11 44 19 00-0086	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,765.16	13.08
11 44 19 00-0087	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,647.15	13.08
11 44 19 00-0088	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212).....	1,835.18	13.08
11 44 19 00-0089	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,660.12	13.08
11 44 19 00-0090	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2).....	2,990.62	13.08
11 44 19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2).....	3,924.31	13.08

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0092 Ceramic Broiler On Storage Base With Doors ^(11 44 19)		
11 44 19 00-0093 EA Standard Finish Ceramic Boiler On Storage Base With Doors	7,770.22	171.48
11 44 19 00-0094 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors	7,770.22	171.48
11 44 19 00-0095 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	9,657.53	214.08
11 44 19 00-0096 Gas Countertop Hot Plate ^(11 44 19)		
11 44 19 00-0097 EA 2 Burners Gas Countertop Hot Plate	990.62	21.84
11 44 19 00-0098 Food Service Additions ^(11 44 19)		
11 44 19 00-0099 EA 30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge).....	8,266.10	21.60
11 44 19 00-0100 EA Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S).....	5,450.56	198.13
11 44 19 00-0101 EA Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10).....	53,608.96	
11 44 19 00-0102 EA 1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS).....	1,085.05	13.60
11 44 19 00-0103 EA 1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS).....	631.83	13.60
11 44 19 00-0104 EA 48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,857.69	177.96
11 44 19 00-0105 EA 120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,946.73	342.86
11 44 19 00-0106 EA 1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	6,107.91	342.86
11 44 19 00-0107 EA Broiler Less, Programmable, Stainless Steel, Convothem Electric Oven-steamer (Cleveland OES-10.20).....	21,088.98	249.14
11 44 19 00-0108 EA 115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1).....	38,401.94	233.99
11 44 19 00-0109 EA 50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,963.97	119.99
11 44 19 00-0110 EA Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,961.29	65.91
11 44 19 00-0111 EA 6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,287.63	272.39
11 44 19 00-0112 EA 3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT).....	297.81	22.22
11 44 19 00-0113 EA 1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,460.40	301.65
11 44 19 00-0114 EA 20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107).....	14,354.16	13.60
11 44 19 00-0115 EA 1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60).....	20,554.44	183.09
11 44 19 00-0116 EA Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,728.07	145.20
11 44 19 00-0117 EA Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,135.32	6.28
11 44 19 00-0118 EA 5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T).....	27,174.71	211.08
11 44 19 00-0119 EA Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart Cle (BDELRA-STDODM)	23,814.69	180.92
11 44 19 00-0120 EA 1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,760.57	170.84
11 44 19 00-0121 EA 20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,522.56	296.60
11 44 19 00-0122 EA Electronic Control, Stainless Steel Dishwasher (Hobart LXI/LXiH new model is Lxeh).....	18,334.72	211.08
11 44 19 00-0123 EA 27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,627.40	55.20
11 44 19 00-0124 EA Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100).....	17,406.09	266.93
11 44 19 00-0125 EA Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3).....	19,105.67	266.93
11 44 19 00-0126 EA 2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c).....	7,684.90	237.28
11 44 19 00-0127 EA 24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,546.25	104.62
11 44 19 00-0128 EA 3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,216.99	104.62
11 44 19 00-0129 EA 30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,578.34	104.62
11 44 19 00-0130 EA 15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302).....	1,029.60	52.32
11 44 19 00-0131 EA 30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	443.28	78.47
11 44 19 00-0132 EA 22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313).....	1,762.67	52.32
11 44 19 00-0133 EA Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	33,346.37	177.96
11 44 19 00-0134 EA Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5).....	11,664.89	104.62
11 44 19 00-0135 EA 3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,960.92	163.13
11 44 19 00-0136 EA 3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	17,038.81	163.13
11 44 19 00-0137 EA 36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R).....	39,602.91	118.64
11 44 19 00-0138 EA 24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5).....	11,755.64	150.00
11 44 19 00-0139 EA 36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,484.83	201.68
11 44 19 00-0140 EA 225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5).....	14,484.83	201.68
11 44 19 00-0141 EA 36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,484.83	201.68
11 44 19 00-0142 EA 63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A).....	32,942.51	237.28
11 44 19 00-0143 EA Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,323.30	250.88
11 44 19 00-0144 EA Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,355.39	78.47
11 44 19 00-0145 EA Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419).....	14,453.20	239.78
11 44 19 00-0146 EA 92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	31,527.70	180.92
11 44 19 00-0147 EA 3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,635.22	52.32
11 44 19 00-0148 EA 52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,883.22	249.14
11 44 19 00-0149 EA 120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D).....	1,649.88	249.14



Equipment			11
Foodservice Equipment			11 40
Food Cooking Equipment			11 44

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0150	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM).....	4,004.57	249.14
11 44 19 00-0151	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM).....	5,608.36	249.14
11 44 19 00-0152	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM).....	6,798.07	249.14
11 44 19 00-0153	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG).....	51,066.64	118.64
11 44 19 00-0154 Charbroilers (11 44 19)				
11 44 19 00-0155	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24).....	1,022.63	104.62
11 44 19 00-0156	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15).....	847.92	139.47
11 44 19 00-0157	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC).....	589.46	104.62
11 44 19 00-0158	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24).....	1,067.93	119.59
11 44 19 00-0159	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL).....	1,759.84	119.59
11 44 19 00-0160	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC).....	1,092.41	139.47
11 44 19 00-0161	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36).....	1,399.93	139.47
11 44 19 00-0162	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL).....	3,316.17	167.40
11 44 19 00-0163	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL).....	3,331.54	167.40
11 44 19 00-0164	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL).....	2,076.46	139.47
11 44 19 00-0165	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL).....	4,730.74	167.40
11 44 19 00-0166	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL).....	4,715.37	167.40
11 44 19 00-0167	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL).....	4,438.60	167.40
11 44 19 00-0168	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48).....	1,893.04	209.25
11 44 19 00-0169	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL).....	3,799.64	209.25
11 44 19 00-0170	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG CPG).....	2,338.94	209.25
11 44 19 00-0171	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL).....	4,722.19	209.25
11 44 19 00-0172 Steam Jacketed Kettles (11 44 19)				
11 44 19 00-0173	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T).....	13,046.42	26.16
11 44 19 00-0174	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7).....	11,603.02	26.16
11 44 19 00-0175	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T).....	9,226.47	26.16
11 44 19 00-0176	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7).....	9,619.65	26.16
11 44 19 00-0177	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL).....	33,752.09	26.16
11 44 19 00-0178	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3).....	59,497.07	104.62
11 44 19 00-0179	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403).....	140,647.37	104.62
11 44 19 00-0180	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3).....	30,955.81	104.62
11 44 19 00-0181	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3).....	30,955.81	104.62
11 44 19 00-0182	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3).....	56,711.62	104.62
11 44 19 00-0183	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T).....	20,703.46	104.62
11 44 19 00-0184	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403).....	45,643.21	104.62
11 44 19 00-0185	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403).....	57,129.26	104.62
11 44 19 00-0186	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403).....	40,657.71	104.62
11 44 19 00-0187	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T).....	37,512.28	104.62
11 44 19 00-0188	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403).....	115,726.84	104.62
11 44 19 00-0189	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403).....	119,406.99	104.62
11 44 19 00-0190	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP).....	55,704.64	209.25
11 44 19 00-0191	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP).....	38,857.38	209.25
11 44 19 00-0192	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP).....	55,426.79	209.25

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0193	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP).....	46,063.90	209.25
11 44 19 00-0194	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	47,730.98	209.25
11 44 19 00-0195	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP).....	20,112.37	209.25
11 44 19 00-0196	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	57,857.51	209.25
11 44 19 00-0197	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP).....	57,558.69	209.25
11 44 19 00-0198	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP).....	63,779.65	209.25
11 44 19 00-0199	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP).....	43,226.03	209.25
11 44 19 00-0200	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP).....	26,377.02	209.25
11 44 19 00-0201	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP).....	140,014.34	209.25
11 44 19 00-0202	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP).....	46,371.46	209.25
11 44 19 00-0203	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT).....	57,857.51	209.25
11 44 19 00-0204	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT).....	134,384.03	209.25
11 44 19 00-0205	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT).....	44,194.12	209.25
11 44 19 00-0206	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT).....	134,018.81	209.25
11 44 19 00-0207	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT).....	45,705.67	209.25
11 44 19 00-0208	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT).....	158,221.13	209.25
11 44 19 00-0209	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,049.40	209.25
11 44 19 00-0210	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT).....	46,063.90	209.25
11 44 19 00-0211	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	45,810.52	209.25
11 44 19 00-0212	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT).....	134,771.96	209.25
11 44 19 00-0213	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,112.37	209.25
11 44 19 00-0214	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT).....	55,704.64	209.25
11 44 19 00-0215	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,277.09	209.25
11 44 19 00-0216	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT).....	26,100.92	209.25
11 44 19 00-0217	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	45,613.06	209.25
11 44 19 00-0218	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	60,836.93	209.25
11 44 19 00-0219	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12).....	23,776.80	209.25
11 44 19 00-0220	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6).....	16,544.06	209.25
11 44 19 00-0221	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	17,580.30	209.25
11 44 19 00-0222	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH).....	27,362.59	209.25
11 44 19 00-0223	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	20,472.35	209.25
11 44 19 00-0224	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	16,603.47	209.25
11 44 19 00-0225	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	41,254.89	209.25
11 44 19 00-0226	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	8,993.29	209.25
11 44 19 00-0227	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	29,073.35	209.25
11 44 19 00-0228	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T).....	12,563.35	209.25
11 44 19 00-0229	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	31,400.97	209.25
11 44 19 00-0230	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	19,685.99	209.25
11 44 19 00-0231		Other Kettles (11 44 19)		
11 44 19 00-0232	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,824.86	119.99
11 44 19 00-0233	EA	40 QT Trunion Kettle With Stand (Groen TDA/140).....	7,581.41	119.99
11 46		Food Dispensing Equipment (11 46)		
11 46 13		Bar Equipment (11 46)		
11 46 13 00-0001		Soft Serve Machines (11 46 13)		
11 46 13 00-0002	EA	Soft Serve Machines, Medium	21,070.47	140.23
11 46 13 00-0003	EA	Soft Serve Machines, Large.....	35,598.75	171.31
11 46 13 00-0004		Salad Bars (11 46 13)		
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height.....	12,852.65	464.99
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height.....	11,788.88	464.99
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height.....	8,289.81	255.47
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height.....	6,556.10	209.88



Equipment			11
Foodservice Equipment			11 40
Food Dispensing Equipment			11 46

11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height.....	9,959.73	307.91
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height	10,970.87	272.75
11 46 13 00-0011 EA Salad Bar Tray Fixed	2,621.56	46.20
11 46 13 00-0012 EA Salad Bar Tray Hinged	2,792.50	46.20
11 46 16 Service Line Equipment (11 46)		
11 46 16 00-0001 Food Warmer Holding Station (11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp.....	690.63	16.56
11 46 16 00-0003 Reach-In Food Warmers (11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer	1,486.18	35.66
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer	3,401.05	81.68
11 46 16 00-0006 Countertop Food Warmer (11 46 16)		
11 46 16 00-0007 EA 12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	181.45	28.65
11 46 16 00-0008 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	158.72	28.65
11 46 16 00-0009 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	491.90	28.65
11 46 16 00-0010 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	338.90	28.65
11 46 16 00-0011 Hot Cabinets With Top Wells Electric (11 46 16)		
11 46 16 00-0012 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	7,945.42	171.48
11 46 16 00-0013 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	11,351.93	245.75
11 46 16 00-0014 Portable Hot Food Units (11 46 16)		
11 46 16 00-0015 EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	5,755.67	
11 46 16 00-0016 EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	6,590.85	
11 46 16 00-0017 EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,449.63	
11 46 16 00-0018 Stationary Hot Food Units (11 46 16)		
11 46 16 00-0019 EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,741.28	34.92
11 46 16 00-0020 EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,336.72	40.20
11 46 16 00-0021 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,910.00	51.48
11 46 16 00-0022 Serving Counters (11 46 16)		
11 46 16 00-0023 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	127.08	48.40
11 46 16 00-0024 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	165.26	74.15
11 46 16 00-0025 Drop-In Equipment (11 46 16)		
11 46 16 00-0026 EA Hot Food Well, Rectangular.....	795.22	154.23
11 46 16 00-0027 EA Hot Food Well, Circular.....	719.17	154.23
11 46 16 00-0028 EA Refrigerated Well, 2 Compartment	1,809.89	154.23
11 46 16 00-0029 EA Refrigerated Well, 3 Compartment	2,054.36	171.31
11 46 16 00-0030 EA Refrigerated Well, 4 Compartment	2,333.14	192.78
11 46 16 00-0031 EA Frost Cold Plate	3,423.02	171.31
11 46 16 00-0032 Beverage Dispensing (11 46 16)		
11 46 16 00-0033 EA Coffee Urn, Twin 3 Gallon	5,545.56	215.41
11 46 16 00-0034 EA Coffee Urn, Twin 6 Gallon	7,904.50	301.53
11 46 16 00-0035 EA Coffee Brewer, 5 Burner	2,142.03	215.41
11 46 16 00-0036 EA Hot Chocolate Dispenser	2,123.07	177.43
11 46 16 00-0037 EA Iced Tea Brewer	3,206.87	177.43
11 46 16 00-0038 EA Juice Dispenser (Concentrate)	2,205.98	342.39
11 46 16 00-0039 EA Jet Spray Dispenser	3,252.38	342.75
11 46 16 00-0040 EA Milk Dispenser, Bulk, 2 Flavor	2,811.77	192.78
11 46 16 00-0041 EA Milk Dispenser, Bulk, 3 Flavor	3,895.58	192.78
11 46 16 00-0042 Dish Dispensers (11 46 16)		
11 46 16 00-0043 EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,066.49	28.65
11 46 16 00-0044 EA 12" Diameter, Drop-in, Dish Dispenser	1,162.34	37.35
11 46 16 00-0045 EA Drop-in, Cup And Glass Dispenser.....	1,935.93	116.12
11 46 16 00-0046 EA Drop-in, Disposable Cup Dispenser.....	717.81	26.16
11 46 16 00-0047 Tray And Silver Dispensers (11 46 16)		

11 Equipment**11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	4,638.52	26.16
11 46 16 00-0049		Condiment Dispensers (11 46 16)		
11 46 16 00-0050	EA	Butter Pat Dispenser	244.11	32.74
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	742.28	32.74
11 46 16 00-0052		Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer.....	5,725.09	132.19
11 46 16 00-0054		Mobile Bread Counter (11 46 16)		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	13,146.78	297.17
11 46 16 00-0056		Open Service Stand (11 46 16)		
11 46 16 00-0057	EA	6' Open Service Stand	5,077.59	107.40
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	694.76	14.52
11 46 16 00-0059		Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	4,426.46	102.72
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	7,289.61	153.96
11 46 16 00-0062		Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	8,951.82	197.77
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	12,932.76	248.79
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	9,379.64	197.77
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	13,554.52	248.79
11 46 16 00-0067		Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	10,208.26	65.38
11 46 16 00-0069		Smoothie Machine (11 46 16)		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	415.72	28.65
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	363.96	28.65
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	442.27	28.65
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	455.55	28.65
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	238.85	28.65
11 46 16 00-0075		Refrigerated Buffet Display Table (11 46 16)		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,605.05	28.65
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,776.82	28.65
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,519.11	28.65
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,464.03	28.65
11 46 16 00-0080		Refrigerated Bakery Display Case (11 46 16)		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	2,145.87	26.16
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,460.04	26.16
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,467.46	29.92
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,676.92	29.92
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,676.92	29.92
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,429.03	29.92
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,429.03	29.92
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	4,316.38	34.84



Equipment			11
Foodservice Equipment			11 40
Food Dispensing Equipment			11 46

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	5,484.51	34.84	
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	4,316.38	34.84	
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	5,484.51	34.84	
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NN).....	4,571.72	34.84	
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,571.72	34.84	
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	4,571.72	34.84	
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	4,858.38	34.84	
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	6,175.62	34.84	
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	4,858.38	34.84	
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,816.37	34.84	
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	6,175.62	34.84	
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	6,541.46	34.84	
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NN)	5,145.72	34.84	
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	6,160.78	34.84	
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	6,541.46	34.84	
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	5,145.72	34.84	
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,768.09	34.84	
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	6,374.21	34.84	
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,768.09	34.84	
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	6,768.09	34.84	
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,752.26	34.84	
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	2,169.61	38.08	
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	7,176.17	38.08	
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,644.85	38.08	
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	5,810.11	34.84	
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,393.93	38.08	
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	7,412.37	38.08	
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	7,412.37	38.08	
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	7,412.37	38.08	
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,463.69	38.08	
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,922.58	38.08	
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	8,922.58	38.08	
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,922.58	38.08	
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,278.59	38.08	
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	9,062.78	38.08	
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	16,242.82	38.08	
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	16,242.82	38.08	

11 Equipment**11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	9,476.84	41.84
11 46 16 00-0127		Dry Bakery Display Case (11 46 16)		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	1,701.13	26.16
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	1,701.13	26.16
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	1,884.43	26.16
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	1,884.43	26.16
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,166.81	29.92
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	2,579.24	29.92
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,524.25	29.92
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,524.25	29.92
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	5,282.43	34.84
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	10,495.09	34.84
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB722WN).....	7,051.53	41.84
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	5,124.24	38.08
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	5,124.24	38.08
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	5,124.24	38.08
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	5,124.24	38.08
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	5,329.08	38.08
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	5,329.08	38.08
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	5,761.99	41.84
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD).....	5,761.99	41.84
11 46 16 00-0147		Dual Dry/Refrigerated Bakery Display Case (11 46 16)		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	17,632.70	38.08
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	17,632.70	38.08
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	17,632.70	38.08
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	17,640.34	41.84
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	18,106.79	41.84
11 46 16 00-0153		Refrigerated Deli Case (11 46 16)		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	8,450.71	139.47
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	8,450.71	139.47
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	9,673.82	139.47
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	9,673.82	139.47
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,003.16	83.70
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,176.78	83.70
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,003.16	83.70



Equipment			11
Foodservice Equipment			11 40
Food Dispensing Equipment			11 46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0161	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,273.46	104.62
11 46 16 00-0162	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,465.35	104.62
11 46 16 00-0163	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	2,672.19	139.47
11 46 16 00-0164	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	2,672.19	139.47
11 46 16 00-0165	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,010.29	139.47
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,343.24	139.47
11 46 16 00-0167	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	2,909.77	139.47
11 46 16 00-0168	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	2,909.77	139.47
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	3,193.04	139.47
11 46 19 Soda Fountain Equipment (11 46)					
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)					
11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	5,941.83	482.03
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 Lb. Ice.....	9,631.37	550.83
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 Lb. Ice.....	17,940.09	771.14
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)					
11 46 19 00-0006	EA		Beverage Chiller, Small.....	7,621.29	370.18
11 46 19 00-0007	EA		Beverage Chiller, Large.....	14,246.04	555.32
11 46 83 Ice Machines (11 46)					
11 46 83 00-0001 Undercounter Ice Machines With Bin (11 46 83)					
11 46 83 00-0002	EA		53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1).....	2,633.61	26.16
11 46 83 00-0003	EA		85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090).....	4,244.03	207.61
11 46 83 00-0004	EA		137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A).....	3,237.91	207.61
11 46 83 00-0005	EA		100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA).....	3,160.97	207.61
11 46 83 00-0006	EA		227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA).....	3,404.86	222.45
11 46 83 00-0007	EA		282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA).....	3,806.16	222.45
11 46 83 00-0008 Ice Cube Maker (11 46 83)					
11 46 83 00-0009	EA		320 Lb./Day, Modular Ice Maker Without Bin.....	4,357.97	222.45
11 46 83 00-0010	EA		451 Lb./Day, Modular Ice Maker Without Bin.....	4,735.70	237.28
11 46 83 00-0011	EA		600 Lb./Day, Modular Ice Maker Without Bin.....	5,421.81	237.28
11 46 83 00-0012	EA		901 Lb./Day, Modular Ice Maker Without Bin.....	7,751.71	252.10
11 46 83 00-0013	EA		1301 Lb./Day, Modular Ice Maker Without Bin.....	8,796.21	252.10
11 46 83 00-0014	EA		1601 Lb./Day, Modular Ice Maker Without Bin.....	10,604.09	266.93
11 46 83 00-0015	EA		1900 Lb./Day, Modular Ice Maker Without Bin.....	11,714.11	266.93
11 46 83 00-0016 Ice Flakers (11 46 83)					
11 46 83 00-0017	EA		300 Lb./Day, Ice Flakers.....	5,838.91	603.30
11 46 83 00-0018	EA		600 Lb./Day, Ice Flakers.....	10,562.59	965.28
11 46 83 00-0019	EA		1,000 Lb./Day, Ice Flakers.....	13,073.89	1,327.27
11 46 83 00-0020	EA		2,000 Lb./Day, Ice Flakers.....	15,952.07	1,447.93
11 46 83 00-0021 Ice Storage Bins (11 46 83)					
11 46 83 00-0022	EA		260 Lb. Capacity, Stainless Steel Ice Storage Bin.....	1,748.66	156.93
11 46 83 00-0023	EA		360 Lb. Capacity, Stainless Steel Ice Storage Bin.....	1,916.36	156.93
11 46 83 00-0024	EA		550 Lb. Capacity, Stainless Steel Ice Storage Bin.....	2,389.73	170.01
11 46 83 00-0025	EA		660 Lb. Capacity, Stainless Steel Ice Storage Bin.....	2,576.07	170.01
11 46 83 00-0026	EA		1,150 Lb. Capacity, Stainless Steel Ice Storage Bin.....	4,931.45	183.09

11 48 Foodservice Cleaning and Disposal Equipment (11 40)

11 48 13 Commercial Dishwashers (11 48)

11 Equipment**11 40 Foodservice Equipment****11 48 Foodservice Cleaning and Disposal Equipment**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0001	Rack Type Dishwasher (11 48 13)		
11 48 13 00-0002	EA Dishwasher, 1 Tank And 190 To 230 Racks/Hour	29,556.18	1,025.21
11 48 13 00-0003	EA Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	48,414.08	1,266.45
11 48 13 00-0004	EA Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	57,921.93	1,447.37
11 48 13 00-0005	Undercounter Type Dishwasher (11 48 13)		
11 48 13 00-0006	EA High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,573.06	211.08
11 48 13 00-0007	EA 1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115)	5,307.08	209.25
11 48 13 00-0008	EA 1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER)	7,988.30	209.25
11 48 13 00-0009	EA 1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO)	5,694.93	209.25
11 48 13 00-0010	EA 1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT)	8,327.25	209.25
11 48 13 00-0011	EA 0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE)	8,664.51	209.25
11 48 13 00-0012	EA 0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER)	9,993.31	209.25
11 48 13 00-0013	EA 0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER)	22,957.59	209.25
11 48 13 00-0014	EA 0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2)	12,910.90	209.25
11 48 13 00-0015	EA 0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXER-2)	13,837.94	209.23
11 48 13 00-0016	Exhaust Hood Dishwasher (11 48 13)		
11 48 13 00-0017	EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,599.32	244.37
11 48 13 00-0018	EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,460.15	293.24
11 48 13 00-0019	Dish Tables (11 48 13)		
11 48 13 00-0020	EA 2' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	451.76	92.19
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0021	EA 3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	489.38	101.34
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0022	EA 4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	594.45	111.06
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0023	EA 5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	665.17	122.17
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0024	EA 6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	740.41	133.28
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0025	EA 7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension	814.44	147.16
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0026	EA 8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean Dish Table Extension	930.22	161.04
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.		
11 48 13 00-0027	EA 3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	621.77	138.83
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0028	EA 4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	721.75	152.71
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0029	EA 5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	781.10	166.60
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0030	EA 6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	887.77	183.26
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0031	EA 7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	1,103.79	202.69
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0032	EA 8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink	1,165.22	222.13
	Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.		
11 48 13 00-0033	Sprays And Hoses (11 48 13)		



Equipment			11
Foodservice Equipment			11 40
Foodservice Cleaning and Disposal Equipment			11 48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0034 Sprays, Fillers (11 48 13 00-0033)		
11 48 13 00-0035 EA Pre-Rinse Spray	651.35	87.96
11 48 13 00-0036 EA Kettle Fillers	556.28	87.96
11 48 13 00-0037 Hoses (11 48 13 00-0033)		
11 48 13 00-0038 EA Hose Reel	781.62	105.60
11 48 13 00-0039 EA Wash-Down Hose	591.48	105.60
11 48 13 00-0040 EA Hose Reel And Spray System With Accessories (Chicago 535NF)	1,455.72	
11 48 13 00-0041 Commercial Dishwashers (11 48 13)		
11 48 13 00-0042 EA 1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1)	6,443.05	557.96
11 48 13 00-0043 EA 1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO)	10,787.56	209.25
11 48 13 00-0044 EA 1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115)	5,721.00	643.86
11 48 13 00-0045 EA 2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO)	6,656.12	209.25
11 48 13 00-0046 EA 2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL)	6,656.12	209.25
11 48 13 00-0047 EA 1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO)	6,446.11	643.86
11 48 13 00-0048 EA 1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	13,596.02	643.86
11 48 13 00-0049 EA 1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO)	8,199.86	643.86
11 48 13 00-0050 EA 1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO)	8,014.37	643.86
11 48 13 00-0051 EA 0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH)	19,081.56	643.86
11 48 13 00-0052 EA 1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO)	8,031.23	643.86
11 48 13 00-0053 EA 1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	13,596.02	643.86
11 48 13 00-0054 EA 60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1)	8,891.25	643.86
11 48 13 00-0055 EA 4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6)	31,372.83	643.86
11 48 13 00-0056 EA 208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2)	37,083.42	643.86
11 48 13 00-0057 EA 208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO)	11,656.78	643.86
11 48 16 Foodservice Disposal Equipment (11 48)		
11 48 16 00-0001 Garbage Disposals (11 48 16)		
Note: Manual switch.		
11 48 16 00-0002 EA 1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,398.40	162.83
11 48 16 00-0003 EA 3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,075.29	168.86
11 48 16 00-0004 EA 1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,311.14	174.89
11 48 16 00-0005 EA 1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,391.44	180.92
11 48 16 00-0006 EA 2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,801.47	199.02
11 48 16 00-0007 EA 3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	6,871.85	217.11
11 48 16 00-0008 EA 5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	8,248.67	241.22
11 48 16 00-0009 EA 7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	11,569.32	259.32
11 48 16 00-0010 EA 10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	15,310.06	271.38
11 48 16 00-0011 Pulper/Extractors (11 48 16)		
11 48 16 00-0012 EA 5 HP, Pulper/Extractor, Close-Coupled	10,041.46	251.24
11 50 Educational and Scientific Equipment (11 50)		
11 51 Library Equipment (11 50)		
11 51 19 Book Theft Protection Equipment (11 51)		
11 51 19 00-0001 LA DPW Book Detection System (11 51 19)		
11 51 19 00-0002 EA Dual Corridor Book Detection System, 36" Corridor, Buried Cable With Closed Panels (3M 3902, Dual, 36" BC, Closed Panel)	74,261.62	
Note: Designer Series Insert: Eclipse or Courier. Pedestal Color: Silver or Black. Excludes any accessory items (sensitizers, desensitizers, bookchecks, selfchecks, strips, etc.). Blockouts, conduit, concrete fill, electrical service and all other site prep for system and electronics enclosure to be by others.		
11 52 Audio-Visual Equipment (11 50)		
11 52 13 Projection Screens (11 52)		

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13 Fixed Projection Screens (11 52 13)					
11 52 13 13-0001 Screens (11 52 13 13)					
11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)					
(11 52 13 13-0001)					
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	384.50	80.57	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	457.17	103.58	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	575.85	143.86	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	665.77	172.64	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,032.65	258.96	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,219.68	287.73	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	883.03	184.15	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,007.47	230.19	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	548.53	97.83	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	758.59	138.11	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	825.48	155.38	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	880.87	166.88	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,014.67	201.42	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	834.83	143.86	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	945.62	166.88	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)					
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	910.39	103.58	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,061.44	143.86	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,229.77	195.66	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,421.13	258.96	
		For High Contrast Matte, Add	40.00		
		For Video Spectra Fabric, Add	40.00		
		For High Power Fabric, Add	120.00		



		Equipment	11	11
		Educational and Scientific Equipment	11 50	
		Audio-Visual Equipment	11 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,562.13 40.00 40.00 120.00	264.71
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,672.90 40.00 40.00 120.00	287.73
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,705.28 40.00 40.00 120.00	287.73
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,836.93 40.00 40.00 120.00	305.00
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,968.58 40.00 40.00 120.00	322.26
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,111.72 40.00 40.00 120.00	345.28
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,370.71 40.00 40.00 120.00	345.28
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,730.39 40.00 40.00 120.00	460.37
11 52 13 13-0031		Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001) Note: With controlled screen return.		
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,708.90 40.00 40.00 120.00	143.86
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,909.60 40.00 40.00 120.00	195.66
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,100.96 40.00 40.00 120.00	258.96
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,209.59 40.00 40.00 120.00	264.71
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,352.74 40.00 40.00 120.00	287.73
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,385.11 40.00 40.00 120.00	287.73
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,516.76 40.00 40.00 120.00	305.00
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,572.15 40.00 40.00 120.00	316.50
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,888.68 40.00 40.00 120.00	345.28
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	3,180.03 40.00 40.00 120.00	345.28
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	3,604.46 40.00 40.00 120.00	460.37

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0043	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)			
Note: Heavy-duty screen for exposed installation.				
11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,630.08	129.47
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,687.15	143.86
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,798.46	172.64
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,214.43	258.96
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,293.85	264.71
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,495.50	287.73
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,566.24	287.73
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,742.34	307.88
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,960.69	322.26
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,100.10	345.28
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,227.43	345.28
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,678.32	460.37
11 52 13 13-0056	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001)			
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,190.72	345.28
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,679.90	460.37
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,284.14	517.92
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,722.97	575.46
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	9,276.89	690.55
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	10,363.16	748.10
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,352.34	805.65
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,999.80	805.65
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,909.81	920.74
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,981.81	748.10
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,650.82	920.74
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	13,204.74	1,035.83
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,744.37	805.65
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	16,442.04	1,035.83
Note: Heavy-duty screen for exposed or recessed installation without doors.				
11 52 13 13-0071	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) (11 52 13 13-0001)			
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,759.13	129.47
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,885.02	143.86
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,007.32	172.64
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,406.57	258.96
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,482.82	264.71
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,723.09	287.73
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,917.33	287.73
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,054.73	307.88
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,245.37	322.26
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,420.90	345.28
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,485.64	345.28
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,039.56	460.37
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,615.08	489.15
Note: In-the-ceiling screen with automatically operated door to conceal screen.				
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,996.35	517.92
Note: In-the-ceiling screen with automatically operated door to conceal screen.				



Equipment			11
Educational and Scientific Equipment			11 50
Audio-Visual Equipment			11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,823.66	575.46
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,215.71	690.55
11 52 13 13-0088			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) (11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,774.99	129.47
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,877.86	158.26
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,935.77	172.64
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,202.29	258.96
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,242.94	264.71
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,411.99	287.73
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,583.56	287.73
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,853.69	307.88
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,927.79	322.26
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,113.03	345.28
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,098.64	402.82
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,666.95	460.37
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,336.67	489.15
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,701.76	517.92
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,415.76	575.46
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,781.90	690.55
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,657.76	748.10
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,313.48	805.65
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,786.12	805.65
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	13,026.35	920.74
11 52 13 13-0109	EA		50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,935.77	172.64
11 52 13 13-0110	EA		60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,144.74	230.19
11 52 13 13-0111	EA		69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,231.43	258.96
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,960.17	322.26
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,367.33	402.82
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,889.19	517.92
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,365.42	633.01
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	14,763.00	863.20
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,160.93	230.19
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,279.99	258.96
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,408.39	276.23
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,483.57	299.24
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,804.78	322.26
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,244.31	402.82
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,801.79	517.92
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,009.64	633.01
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,939.40	748.10

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) ^(11 52 13 13-0001)					
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,190.78	129.47	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,287.46	143.86	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,395.94	172.64	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,744.01	258.96	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,812.11	264.71	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,979.80	287.73	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	6,169.38	287.73	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	6,331.33	307.88	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	6,450.65	322.26	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	6,640.99	345.28	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	6,836.22	345.28	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	7,230.52	460.37	
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) ^(11 52 13 13-0001)					
Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.					
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	14,751.60	287.73	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	15,773.13	345.28	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	18,319.77	517.92	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	23,067.79	690.55	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	25,564.08	805.65	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	15,658.04	287.73	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	17,100.42	345.28	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	18,089.59	402.82	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	22,722.50	517.92	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) ^(11 52 13 13-0001)					
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.					
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	4,906.55	287.73	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	6,167.85	316.50	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	7,068.02	345.28	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	12,783.19	374.05	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	14,164.87	13,762.04	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	15,724.46	460.37	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	20,173.05	517.92	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	27,269.90	575.46	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	30,514.74	633.01	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	40,861.70	690.55	
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.					
11 52 13 13-0160 Screen Accessories ^(11 52 13 13-0001)					
11 52 13 13-0161 Manual Pull Down Accessories ^(11 52 13 13-0160)					



Equipment			11
Educational and Scientific Equipment			11 50
Audio-Visual Equipment			11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	75.54	8.63
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	107.91	9.21
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	127.34	10.36
11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared	802.47	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,158.58	
11 52 13 13-0168 Projection Screens, Frames, Masking And Hardware (11 52 13 13)		
11 52 13 13-0169 Projection Screens (11 52 13 13-0168)		
Note: Dimensions given in height x width.		
11 52 13 13-0170 EA 9' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2).....	1,756.98	51.54
11 52 13 13-0171 EA 12' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2).....	1,842.56	68.72
11 52 13 13-0172 EA 9' x 9' Matt White Motorized Projection Screen (Draper Targa).....	1,848.66	45.93
11 52 13 13-0173 EA 9' x 12' Matt White Motorized Projection Screen (Draper Targa).....	2,091.66	51.54
11 52 13 13-0174 EA 12' x 12' Matt White Motorized Projection Screen (Draper Targa).....	3,283.45	68.72
11 52 13 13-0175 EA 12' x 16' Matt White Motorized Projection Screen (Draper Targa).....	4,679.16	85.90
11 52 13 13-0176 EA 14' x 14' Matt White Motorized Projection Screen (Draper Targa).....	4,081.74	77.31
11 52 13 13-0177 EA 16' x 16' Matt White Motorized Projection Screen (Draper Targa).....	4,874.19	103.08
11 52 13 13-0178 EA 15' x 20' Matt White Motorized Projection Screen (Draper Paragon).....	7,909.92	120.26
11 52 13 13-0179 EA 20' x 20' Matt White Motorized Projection Screen (Draper Paragon).....	8,450.63	137.44
11 52 13 13-0180 EA 11' x 22' Matt White Motorized Projection Screen (Draper Paragon).....	8,065.66	111.67
11 52 13 13-0181 EA 16'-6" x 22' Matt White Motorized Projection Screen (Draper Paragon).....	8,365.41	137.44
11 52 13 13-0182 EA 22' x 22' Matt White Motorized Projection Screen (Draper Paragon).....	8,637.34	154.63
11 52 13 13-0183 EA 8'-6" To 16' Positioning Pole (ADC PP-1)	410.91	
11 52 13 13-0184 Replacement Surface Only, Projection Screen Fabric (11 52 13 13-0168)		
11 52 13 13-0185 EA 9' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	1,978.77	68.72
11 52 13 13-0186 EA 12' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	2,498.12	68.72
11 52 13 13-0187 EA 12' x 16' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	3,190.58	68.72
11 52 13 13-0188 Lace And Grommet Projection Screen Fabric (11 52 13 13-0168)		
11 52 13 13-0189 SF Lace And Grommet Matte White, Projection Screen Fabric (Draper)	19.53	1.49
11 52 13 13-0190 LF Lace And Grommet Projection Screen Cord.....	2.05	
11 52 13 13-0191 Wood Frame For Side Black Masking (11 52 13 13-0168)		
11 52 13 13-0192 EA Up To 13' x 17' Image Size, Side Black Masking Wood Frame And Fabric (4 Sides).....	4,230.98	68.72
Note: Includes 1" x 3" lumber, hardware, FP Commando Fabric and shop labor.		
11 52 13 13-0193 EA Up To 13' x 17' Image Size, Side Black Masking Fabric (4 Sides).....	1,431.35	34.36
Note: FP Commando Fabric installed on existing wood frame where wood frame is attached to existing steel frame.		
11 52 13 13-0194 Flown Type Projection Screen Frame (11 52 13 13-0168)		
11 52 13 13-0195 EA 2" x 2" Steel Angle Flown Type Projection Screen Frame (4 Sides), Up To 13' x 17' Image Size	5,019.92	68.72
Note: Includes assembly, hanging hardware and shop labor.		
11 52 13 13-0196 EA 1-1/2" Inside Diameter Schedule 40 Aluminum Pipe Flown Type Projection Screen Frame (4 Sides) With Hollaender Speed Rail Fittings (Rated), Up To 13' x 17' Image Size.....	5,374.02	68.72
Note: Includes assembly, hanging hardware and shop labor.		
11 52 13 13-0197 Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13 13-0198 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,692.54	
11 52 13 16 Portable Projection Screens (11 52 13)		
11 52 13 16-0001 Projection Screen And Case (11 52 13 16)		
11 52 13 16-0002 EA 9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,238.03	229.08
11 52 13 16-0003 EA 12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,254.89	229.08
11 52 13 16-0004 EA 9' x 9' Non-Tensioned Electric Projection Screen (Draper Targa).....	2,352.05	229.08
11 52 13 16-0005 EA 9' x 12' Non-Tensioned Electric Projection Screen (Draper Targa).....	2,572.71	229.08
11 52 13 16-0006 EA 12' x 12' Non-Tensioned Electric Projection Screen (Draper Targa).....	3,695.78	229.08
11 52 13 16-0007 EA 12' x 16' Non-Tensioned Electric Projection Screen (Draper Targa).....	5,022.77	229.08
11 52 13 16-0008 EA 14' x 14' Non-Tensioned Electric Projection Screen (Draper Targa).....	4,459.71	229.08
11 52 13 16-0009 EA 16' x 16' Non-Tensioned Electric Projection Screen (Draper Targa).....	5,149.08	229.08
11 52 13 16-0010 EA 15' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,116.08	229.08
11 52 13 16-0011 EA 20' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,588.07	229.08
11 52 13 16-0012 EA 11' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,306.19	229.08
11 52 13 16-0013 EA 16'-6" x 22' Non-Tensioned Electric Projection Screen (Draper Paragon).....	8,502.85	229.08
11 52 13 16-0014 EA 22' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,706.06	229.08
11 52 13 16-0015 EA Projection Screen Hanger Assembly Unit.....	200.85	28.63
Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).		

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 16 Projectors (11 52)**11 52 16 26 Video Projectors** (11 52 16)**11 52 16 26-0001 Projectors** (11 52 16 26)

11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,426.16	57.54
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	1,655.60	57.54
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,196.42	57.54
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,474.71	57.54
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	4,048.31	57.54
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	5,146.33	57.54
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	8,194.57	57.54
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	11,111.71	57.54
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	16,503.49	57.54

11 52 16 26-0011 Projector Mounts (11 52 16 26)**11 52 16 26-0012 Universal Projector Mounts** (11 52 16 26-0011)

Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.

11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	296.50	63.28
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	499.95	63.28

11 52 16 26-0015 Projector Mount Components (11 52 16 26-0011)

Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.

11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)

11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	105.90	28.76
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	147.66	28.76
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	209.46	28.76
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	258.24	28.76

11 52 16 26-0021 Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)

11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	392.29	28.76
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	879.05	28.76

11 52 16 26-0024 Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)**11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts** (11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts.....	66.19	8.62
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts.....	86.79	8.62
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts.....	94.52	8.62
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts.....	99.67	8.62
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts.....	118.29	11.50
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts.....	144.04	11.50
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts.....	185.25	11.50
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts.....	213.57	11.50
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts.....	250.24	14.38
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts.....	286.29	14.38
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts.....	317.81	17.26
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts.....	333.26	17.26

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16 26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	136.92	14.38
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	214.18	14.38
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	219.33	14.38
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	227.06	14.38
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	245.70	17.26
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	258.57	17.26
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	286.90	17.26
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	312.65	17.26
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	346.72	20.14
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	372.48	20.14
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	406.56	23.00
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	424.59	23.00

11 52 33 Interactive Displays (11 52)**11 52 33 00-0001 Television Monitors And Panels** (11 52 33)

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz.....	735.75	20.92
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz.....	807.47	23.54



Equipment	11	11
Educational and Scientific Equipment	11 50	
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0004 EA 32" HD Television, LCD, 1080 DPI, 120 Hertz.....	1,097.31	26.16
11 52 33 00-0005 EA 32" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,107.39	26.16
11 52 33 00-0006 EA 40" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,254.17	28.77
11 52 33 00-0007 EA 46" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,473.03	31.38
11 52 33 00-0008 EA 50" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,836.07	34.00
11 52 33 00-0009 EA 55" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,196.48	34.00
11 52 33 00-0010 EA 60" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,559.52	36.62
11 52 33 00-0011 EA 65" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	3,102.77	39.24
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,907.46	41.85
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz	2,257.46	31.38
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz	3,150.52	34.00
11 52 33 00-0015 EA 60" 3D Television, LED, 1080 DPI, 240 Hertz	4,266.20	36.62
11 52 33 00-0016 EA 65" 3D Television, LED, 1080 DPI, 240 Hertz	4,491.43	39.24
11 52 33 00-0017 EA 75" 3D Television, LED, 1080 DPI, 240 Hertz	6,717.53	39.24
11 52 33 00-0018 EA 86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	20,467.46	41.85
11 52 33 00-0019 Flat Panel Display Mounting (11 52 33) Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020 EA Swivel Wall Mounts For 10" To 30" Flat Panel Displays	465.72	137.73
11 52 33 00-0021 EA Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays..... Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	720.12	172.15
11 52 33 00-0022 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays	746.08	206.59
11 52 33 00-0023 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate	793.75	206.59
11 52 33 00-0024 EA Swivel Wall Mounts For 32" To 50" Flat Panel Displays	793.75	206.59
11 52 33 00-0025 EA Full Motion Wall Mounts For 13" To 26" Flat Panel Displays..... Note: 8" Extension	441.94	137.73
11 52 33 00-0026 EA Full Motion Wall Mounts For 26" To 40" Flat Panel Displays..... Note: 9.7" Extension	605.94	172.15
11 52 33 00-0027 EA Full Motion Wall Mounts For 32" To 56" Flat Panel Displays	1,031.62	206.59
11 52 33 00-0028 EA Full Motion Wall Mounts For 42" To 84" Flat Panel Displays	1,474.22	241.02
11 52 33 00-0029 EA Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	558.37	172.15
11 52 33 00-0030 EA Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	653.52	172.15
11 52 33 00-0031 EA Low Profile Tilting Wall Mounts For 75" Flat Panel Displays.....	769.33	206.59
11 52 33 00-0032 EA Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	463.22	172.15
11 52 33 00-0033 EA Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	534.58	172.15
11 52 33 00-0034 EA Low Profile Wall Mounts For 75" Flat Panel Displays.....	635.77	206.59
11 52 33 00-0035 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling	773.39	275.45
11 52 33 00-0036 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling	906.96	275.45
For 28" To 41" Extension Pole, Add	46.54	
For 38" To 51" Extension Pole, Add	59.26	
For 48" To 61" Extension Pole, Add	67.74	
11 52 33 00-0037 EA VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling	953.60	275.45
Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0038 Audio/Video Components (11 52 33)		
11 52 33 00-0039 EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60- 818-03)	1,710.40	103.29
11 52 33 00-0040 EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,317.45	103.29
11 52 33 00-0041 EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	524.14	34.43
11 52 33 00-0042 EA MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	606.92	34.43
11 52 33 00-0043 EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,469.09	137.73
11 52 33 00-0044 EA MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,745.02	137.73
11 52 33 00-0045 EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,745.02	137.73
11 52 33 00-0046 EA Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	174.77	17.22
11 52 33 00-0047 EA DVD/VCR Combo (Toshiba #SD V296).....	175.53	
11 52 33 00-0048 EA DVD/VCR Combo (Toshiba #SD V392).....	177.91	
11 52 33 00-0049 EA DVD/VCR Combo (Toshiba #DVR620)	325.39	
11 52 33 00-0050 EA DVD/VCR Combo (Toshiba #DVR670)	446.70	

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 33 00-0051 Audio/Video Cabling (11 52 33)

11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	44.83
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....	65.52
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....	97.95
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....	203.48
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....	286.26
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....	393.18
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....	538.04
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....	662.21
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....	789.83
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....	872.61
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....	1,041.61
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....	1,251.99
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	44.83
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	65.52
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	97.95
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	203.48
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	286.26
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	393.17
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	538.03
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	662.20
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	789.83
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	872.61
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	1,041.61
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	1,251.99
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06).....	20.00
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20).....	31.71
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....	24.13
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....	26.20
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....	35.86
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....	42.07
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....	66.89
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....	93.80
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....	124.15
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....	165.54
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....	206.93
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....	34.48
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....	36.55
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26).....	46.21
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27).....	56.56
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28).....	79.31
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16).....	106.21
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04).....	144.85
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05).....	186.23
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06).....	237.97
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01).....	7.58
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03).....	9.65
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06).....	11.72
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07).....	15.86

11 53 Laboratory Equipment (11 50)**11 53 13 Laboratory Fume Hoods** (11 53)**11 53 13 11 General Laboratory Fume Hoods** (11 53 13)**11 53 13 11-0001 Fume Hoods (Kewaunee Scientific)** (11 53 13 11)**11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05)** (11 53 13 11-0001)

11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00).....	10,485.91
		Note: Includes material and installation	
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00).....	11,149.26
		Note: Includes material and installation	
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00).....	14,307.39
		Note: Includes material and installation	
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00).....	9,886.42
		Note: Includes material and installation	
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00).....	11,326.43
		Note: Includes material and installation	
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00).....	11,989.78
		Note: Includes material and installation	



Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0009	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00)..... Note: Includes material and installation	15,172.64	
11 53 13 11-0010	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00)..... Note: Includes material and installation	10,529.17	
11 53 13 11-0011	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00)..... Note: Includes material and installation	10,912.35	
11 53 13 11-0012	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00)..... Note: Includes material and installation	12,873.56	
11 53 13 11-0013	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00)..... Note: Includes material and installation	15,914.27	
11 53 13 11-0014	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00)..... Note: Includes material and installation	11,544.80	
11 53 13 11-0015	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00)..... Note: Includes material and installation	14,861.56	
11 53 13 11-0016	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00)..... Note: Includes material and installation	17,479.95	
11 53 13 11-0017	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00)..... Note: Includes material and installation	20,568.04	
11 53 13 11-0018	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00)..... Note: Includes material and installation	13,699.66	
11 53 13 11-0019	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00)..... Note: Includes material and installation	10,648.66	
11 53 13 11-0020	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00)..... Note: Includes material and installation	11,314.07	
11 53 13 11-0021	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00)..... Note: Includes material and installation	14,476.32	
11 53 13 11-0022	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00)..... Note: Includes material and installation	10,057.41	
11 53 13 11-0023	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00)..... Note: Includes material and installation	11,513.90	
11 53 13 11-0024	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00)..... Note: Includes material and installation	12,181.37	
11 53 13 11-0025	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00)..... Note: Includes material and installation	15,355.99	
11 53 13 11-0026	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00)..... Note: Includes material and installation	10,714.58	
11 53 13 11-0027	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00)..... Note: Includes material and installation	12,410.04	
11 53 13 11-0028	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00)..... Note: Includes material and installation	13,069.27	
11 53 13 11-0029	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00)..... Note: Includes material and installation	16,109.98	
11 53 13 11-0030	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00)..... Note: Includes material and installation	11,746.69	
11 53 13 11-0031	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00)..... Note: Includes material and installation	15,079.93	
11 53 13 11-0032	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00)..... Note: Includes material and installation	17,681.84	
11 53 13 11-0033	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00)..... Note: Includes material and installation	20,788.47	
11 53 13 11-0034	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00)..... Note: Includes material and installation	13,918.04	
11 53 13 11-0035			Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) (11 53 13 11-0001)		
11 53 13 11-0036	EA		4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00)..... Note: Includes material and installation	12,030.98	

11 Equipment**11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0037	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) Note: Includes material and installation	12,692.28	
11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) Note: Includes material and installation	15,856.59	
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00)..... Note: Includes material and installation	11,435.62	
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) Note: Includes material and installation	13,203.18	
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) Note: Includes material and installation	13,870.65	
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) Note: Includes material and installation	17,051.45	
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00)..... Note: Includes material and installation	12,410.04	
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) Note: Includes material and installation	14,198.21	
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) Note: Includes material and installation	14,861.56	
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) Note: Includes material and installation	17,902.27	
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00)..... Note: Includes material and installation	13,532.80	
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) Note: Includes material and installation	17,405.78	
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) Note: Includes material and installation	18,062.96	
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) Note: Includes material and installation	23,108.14	
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00)..... Note: Includes material and installation	16,250.07	
11 53 13 11-0052		ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08) (11 53 13 11-0001)		
11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00)..... Note: Includes material and installation	10,586.85	
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) Note: Includes material and installation	11,262.57	
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00)..... Note: Includes material and installation	14,196.15	
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) Note: Includes material and installation	9,985.30	
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00)..... Note: Includes material and installation	11,425.31	
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) Note: Includes material and installation	12,000.08	
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00)..... Note: Includes material and installation	15,154.10	
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) Note: Includes material and installation	10,630.12	
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00)..... Note: Includes material and installation	12,311.16	
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00)..... Note: Includes material and installation	13,170.22	
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) Note: Includes material and installation	16,678.57	
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) Note: Includes material and installation	11,645.75	



Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53

11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0065 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) Note: Includes material and installation	10,749.60	
11 53 13 11-0066 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00)..... Note: Includes material and installation	11,456.22	
11 53 13 11-0067 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00)..... Note: Includes material and installation	14,449.54	
11 53 13 11-0068 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00)..... Note: Includes material and installation	10,156.29	
11 53 13 11-0069 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) Note: Includes material and installation	11,616.90	
11 53 13 11-0070 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00)..... Note: Includes material and installation	12,208.15	
11 53 13 11-0071 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00)..... Note: Includes material and installation	15,428.09	
11 53 13 11-0072 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00)..... Note: Includes material and installation	10,811.40	
11 53 13 11-0073 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) Note: Includes material and installation	12,510.99	
11 53 13 11-0074 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00)..... Note: Includes material and installation	13,398.89	
11 53 13 11-0075 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00)..... Note: Includes material and installation	16,977.28	
11 53 13 11-0076 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00)..... Note: Includes material and installation	11,845.58	
11 53 13 11-0077 ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) (11 53 13 11-0001)		
11 53 13 11-0078 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) Note: Includes material and installation	14,428.94	
11 53 13 11-0079 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) Note: Includes material and installation	15,687.66	
11 53 13 11-0080 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) Note: Includes material and installation	19,947.95	
11 53 13 11-0081 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00) Note: Includes material and installation	13,833.57	
11 53 13 11-0082 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00)..... Note: Includes material and installation	15,599.08	
11 53 13 11-0083 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) Note: Includes material and installation	16,800.12	
11 53 13 11-0084 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) Note: Includes material and installation	21,396.20	
11 53 13 11-0085 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00) Note: Includes material and installation	14,803.88	
11 53 13 11-0086 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) Note: Includes material and installation	16,594.11	
11 53 13 11-0087 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) Note: Includes material and installation	18,097.98	
11 53 13 11-0088 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) Note: Includes material and installation	23,085.48	
11 53 13 11-0089 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00) Note: Includes material and installation	15,932.81	
11 53 13 11-0090 Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) (11 53 13 11-0001)		
11 53 13 11-0091 EA 4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00)..... Note: Includes material and installation	21,758.78	

11 Equipment**11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0092	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00)..... Note: Includes material and installation	24,150.55	
11 53 13 11-0093	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00)..... Note: Includes material and installation	25,479.32	
11 53 13 11-0094	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00)..... Note: Includes material and installation	34,453.11	
11 53 13 11-0095	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00)..... Note: Includes material and installation	21,942.13	
11 53 13 11-0096	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00)..... Note: Includes material and installation	24,333.90	
11 53 13 11-0097	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00)..... Note: Includes material and installation	25,675.03	
11 53 13 11-0098	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00)..... Note: Includes material and installation	34,673.54	
11 53 13 11-0099		Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25) (11 53 13 11-0001)		
11 53 13 11-0100	EA	4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00)..... Note: Includes material and installation	28,744.58	
11 53 13 11-0101	EA	5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00)..... Note: Includes material and installation	28,843.46	
11 53 13 11-0102	EA	6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00)..... Note: Includes material and installation	31,999.53	
11 53 13 11-0103		HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC) (11 53 13 11-0001)		
11 53 13 11-0104	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00)..... Note: Includes material and installation	14,913.06	
11 53 13 11-0105	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00)..... Note: Includes material and installation	15,578.48	
11 53 13 11-0106	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00)..... Note: Includes material and installation	18,738.67	
11 53 13 11-0107	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00)..... Note: Includes material and installation	14,313.57	
11 53 13 11-0108	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00)..... Note: Includes material and installation	16,256.25	
11 53 13 11-0109	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00)..... Note: Includes material and installation	16,921.66	
11 53 13 11-0110	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00)..... Note: Includes material and installation	20,100.40	
11 53 13 11-0111	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00)..... Note: Includes material and installation	15,461.05	
11 53 13 11-0112	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00)..... Note: Includes material and installation	17,366.64	
11 53 13 11-0113	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00)..... Note: Includes material and installation	18,025.88	
11 53 13 11-0114	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00)..... Note: Includes material and installation	21,070.70	
11 53 13 11-0115	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00)..... Note: Includes material and installation	16,699.17	
11 53 13 11-0116	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00)..... Note: Includes material and installation	22,619.90	
11 53 13 11-0117	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00)..... Note: Includes material and installation	23,283.25	
11 53 13 11-0118	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00)..... Note: Includes material and installation	28,324.31	



Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0119	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00)	21,460.06		
Note: Includes material and installation					
11 53 13 11-0120	General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30) (11 53 13 11-0001)				
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00)	21,909.16		
Note: Includes material and installation					
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00)	22,564.28		
Note: Includes material and installation					
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00)	28,075.04		
Note: Includes material and installation					
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00)	20,582.46		
Note: Includes material and installation					
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00)	23,347.11		
Note: Includes material and installation					
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00)	24,010.47		
Note: Includes material and installation					
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00)	31,173.43		
Note: Includes material and installation					
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00)	21,830.88		
Note: Includes material and installation					
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00)	24,774.76		
Note: Includes material and installation					
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00)	25,431.93		
Note: Includes material and installation					
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00)	33,404.52		
Note: Includes material and installation					
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00)	24,173.21		
Note: Includes material and installation					
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00)	31,626.66		
Note: Includes material and installation					
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00)	32,294.13		
Note: Includes material and installation					
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00)	43,307.42		
Note: Includes material and installation					
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00)	30,058.92		
Note: Includes material and installation					
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00)	22,078.09		
Note: Includes material and installation					
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00)	22,729.08		
Note: Includes material and installation					
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00)	28,243.97		
Note: Includes material and installation					
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00)	20,749.33		
Note: Includes material and installation					
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00)	23,534.58		
Note: Includes material and installation					
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00)	24,195.87		
Note: Includes material and installation					
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00)	31,362.96		
Note: Includes material and installation					
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00)	22,020.41		
Note: Includes material and installation					
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00)	24,972.53		
Note: Includes material and installation					
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00)	25,631.76		
Note: Includes material and installation					

11 Equipment**11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00)	33,604.35		
		Note: Includes material and installation			
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00)	24,375.10		
		Note: Includes material and installation			
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00)	31,838.85		
		Note: Includes material and installation			
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00)	32,508.38		
		Note: Includes material and installation			
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00)	43,519.61		
		Note: Includes material and installation			
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00)	30,275.23		
		Note: Includes material and installation			
11 53 13 11-0153		Stand-Alone, TruView® Teaching Hoods (Kewaunee Scientific T90) ^(11 53 13 11-0001)			
11 53 13 11-0154	EA	4' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA)	17,859.01		
		Note: Includes material and installation			
11 53 13 11-0155	EA	5' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA)	20,357.91		
		Note: Includes material and installation			
11 53 13 11-0156	EA	6' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA)	22,063.67		
		Note: Includes material and installation			
11 53 13 11-0157	EA	4' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA)	31,521.59		
		Note: Includes material and installation			
11 53 13 11-0158	EA	5' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA)	36,097.07		
		Note: Includes material and installation			
11 53 13 11-0159	EA	6' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA)	38,400.26		
		Note: Includes material and installation			
11 53 13 11-0160		Options For Fume Hoods (Kewaunee Scientific) ^(11 53 13 11-0001)			
11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C)	475.88		
		Note: Includes material and installation			
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E)	2,060.10		
		Note: Includes material and installation			
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O)	341.98		
		Note: Includes material and installation			
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B)	1,402.93		
		Note: Includes material and installation			
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B)	1,639.84		
		Note: Includes material and installation			
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B)	1,891.17		
		Note: Includes material and installation			
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B)	2,447.40		
		Note: Includes material and installation			
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B)	1,402.93		
		Note: Includes material and installation			
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B)	1,639.84		
		Note: Includes material and installation			
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B)	1,891.17		
		Note: Includes material and installation			
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B)	1,402.93		
		Note: Includes material and installation			
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B)	1,639.84		
		Note: Includes material and installation			
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B)	1,891.17		
		Note: Includes material and installation			
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B)	2,447.40		
		Note: Includes material and installation			
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B)	1,464.73		
		Note: Includes material and installation			
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B)	1,711.94		
		Note: Includes material and installation			
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B)	1,979.76		
		Note: Includes material and installation			
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B)	2,562.76		
		Note: Includes material and installation			
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP)	183.35		
		Note: Includes material and installation			
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-OF)	1,724.30		
		Note: Includes material and installation			
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I)	657.17		
		Note: Includes material and installation			



Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0182	EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) 657.17 Note: Includes material and installation	657.17	
11 53 13 11-0183	EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) 657.17 Note: Includes material and installation	657.17	
11 53 13 11-0184	EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) 733.40 Note: Includes material and installation	733.40	
11 53 13 11-0185	EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) 733.40 Note: Includes material and installation	733.40	
11 53 13 11-0186	EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) 1,087.73 Note: Includes material and installation	1,087.73	
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) 1,112.45 Note: Includes material and installation	1,112.45	
11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) 1,141.30 Note: Includes material and installation	1,141.30	
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) 1,771.69 Note: Includes material and installation	1,771.69	
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) 1,839.67 Note: Includes material and installation	1,839.67	
11 53 13 11-0191		Base Cabinets For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)		
11 53 13 11-0192	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) 1,289.62 Note: Includes material and installation	1,289.62	
11 53 13 11-0193	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) 1,571.86 Note: Includes material and installation	1,571.86	
11 53 13 11-0194	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) 1,654.26 Note: Includes material and installation	1,654.26	
11 53 13 11-0195	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) 1,707.82 Note: Includes material and installation	1,707.82	
11 53 13 11-0196	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) 1,864.39 Note: Includes material and installation	1,864.39	
11 53 13 11-0197	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) 1,289.62 Note: Includes material and installation	1,289.62	
11 53 13 11-0198	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) 1,571.86 Note: Includes material and installation	1,571.86	
11 53 13 11-0199	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) 1,666.62 Note: Includes material and installation	1,666.62	
11 53 13 11-0200	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) 1,707.82 Note: Includes material and installation	1,707.82	
11 53 13 11-0201	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) 1,864.39 Note: Includes material and installation	1,864.39	
11 53 13 11-0202	EA	15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) 1,297.86 Note: Includes material and installation	1,297.86	
11 53 13 11-0203	EA	18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) 1,374.09 Note: Includes material and installation	1,374.09	
11 53 13 11-0204	EA	21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) 1,433.83 Note: Includes material and installation	1,433.83	
11 53 13 11-0205	EA	24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) 1,452.37 Note: Includes material and installation	1,452.37	
11 53 13 11-0206	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) 3,139.59 Note: Includes material and installation	3,139.59	
11 53 13 11-0207	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) 4,149.04 Note: Includes material and installation	4,149.04	
11 53 13 11-0208	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) 4,336.51 Note: Includes material and installation	4,336.51	
11 53 13 11-0209	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) 4,954.54 Note: Includes material and installation	4,954.54	
11 53 13 11-0210	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) 2,482.42 Note: Includes material and installation	2,482.42	

11 Equipment**11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0211	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) Note: Includes material and installation	2,884.14	
11 53 13 11-0212	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) Note: Includes material and installation	2,933.58	
11 53 13 11-0213	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) Note: Includes material and installation	3,106.63	
11 53 13 11-0214	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) Note: Includes material and installation	3,403.29	
11 53 13 11-0215	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) Note: Includes material and installation	2,235.21	
11 53 13 11-0216	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) Note: Includes material and installation	2,529.80	
11 53 13 11-0217	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) Note: Includes material and installation	2,630.75	
11 53 13 11-0218	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) Note: Includes material and installation	2,797.62	
11 53 13 11-0219	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) Note: Includes material and installation	3,013.93	
11 53 13 11-0220 Filters And Housing For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)				
11 53 13 11-0221	EA	Painted CRS Filter Housing (Kewaunee Scientific X-016869) Note: Includes material and installation	2,035.38	
11 53 13 11-0222	EA	Stainless Steel Filter Housing (Kewaunee Scientific X-016868) Note: Includes material and installation	23,750.89	
11 53 13 11-0223	EA	High Efficiency Filter (Kewaunee Scientific 0864-00) Note: Includes material and installation	2,035.38	
11 53 13 11-0224	EA	Charcoal Absorber (Kewaunee Scientific 0855-00) Note: Includes material and installation	23,750.89	
11 53 13 11-0225	EA	Prefilter (Kewaunee Scientific 0863-00) Note: Includes material and installation	152.45	
11 53 13 11-0226 Centrifugal Fans For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)				
11 53 13 11-0227	EA	1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1) Note: Includes material and installation	5,494.29	
11 53 13 11-0228	EA	1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1) Note: Includes material and installation	5,646.73	
11 53 13 11-0229	EA	1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1) Note: Includes material and installation	5,722.96	
11 53 13 11-0230	EA	3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1) Note: Includes material and installation	6,327.60	
11 53 13 11-0231	EA	1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1) Note: Includes material and installation	6,932.24	
11 53 13 11-0232	EA	1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) Note: Includes material and installation	9,941.01	
11 53 13 11-0233	EA	2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) Note: Includes material and installation	12,949.79	
11 53 13 11-0234 Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)				
11 53 13 11-0235	EA	6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	914.68	
11 53 13 11-0236	EA	8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,003.27	
11 53 13 11-0237	EA	9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,021.81	
11 53 13 11-0238	EA	10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,124.81	
11 53 13 11-0239	EA	11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,238.20	
11 53 13 11-0240	EA	6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00) Note: Includes material and installation	1,310.22	
11 53 13 11-0241	EA	8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00) Note: Includes material and installation	1,425.59	
11 53 13 11-0242	EA	9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00) Note: Includes material and installation	1,563.62	
11 53 13 11-0243	EA	10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00) Note: Includes material and installation	1,641.90	
11 53 13 11-0244	EA	11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00) Note: Includes material and installation	1,672.80	
11 53 13 11-0245	EA	11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) Note: Includes material and installation	1,015.63	



Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0246 EA 11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) Note: Includes material and installation	1,048.59	
11 53 13 11-0247 EA 11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) Note: Includes material and installation	1,069.19	
11 53 13 11-0248 EA 11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) Note: Includes material and installation	1,112.45	
11 53 13 11-0249 EA 11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) Note: Includes material and installation	1,205.16	
11 53 13 11-0250 Biological Fume Hoods And Cabinets (11 53 13 11) Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
11 53 13 11-0251 Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) (11 53 13 11-0250) Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252 EA 3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	18,989.77	916.26
11 53 13 11-0253 EA 4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	21,193.19	916.26
11 53 13 11-0254 EA 5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	25,157.87	1,038.31
11 53 13 11-0255 EA 6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	26,615.27	1,038.31
11 53 13 11-0256 Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) (11 53 13 11-0250) Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257 EA 3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,605.89	134.40
11 53 13 11-0258 EA 4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,750.23	171.06
11 53 13 11-0259 EA 5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,855.50	207.72
11 53 13 11-0260 EA 6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	2,052.13	244.37
11 53 43 Service Fittings and Accessories (11 53)		
11 53 43 00-0001 Laboratory Equipment Accessories (11 53 43)		
11 53 43 00-0002 EA 24" Wide Roll Paper Dispenser, Wall Mounted.....	206.88	40.26
11 53 43 00-0003 EA 36" Wide Roll Paper Dispenser, Wall Mounted.....	243.09	46.02
11 53 43 00-0004 EA 48" Wide Roll Paper Dispenser, Wall Mounted.....	307.39	51.77
11 53 43 00-0005 Outlet And Valves (11 53 43)		
11 53 43 00-0006 EA Medical Gas Outlets, Recessed, Quick Connect Note: For oxygen, vacuum, air, nitrous oxide, excavation vacuum, carbon dioxide, and oxygen/CO2. Includes any wall bracing requirements.	362.16	90.46
11 53 43 00-0007 EA Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,094.36	
11 53 43 00-0008 Test And Certify (11 53 43)		
11 53 43 00-0009 EA Test And Certify Medical Gas Port.....	60.33	
11 60 Entertainment and Recreation Equipment (11)		
11 66 Athletic Equipment (11 60)		
11 66 13 Exercise Equipment (11 66)		
11 66 13 00-0001 Fitness Systems (11 66 13)		
11 66 13 00-0002 Components For Physical Fitness Activities (11 66 13 00-0001)		
11 66 13 00-0003 EA Sit And Reach.....	1,359.48	131.29
11 66 13 00-0004 EA Isometric Squat.....	508.74	52.52
11 66 13 00-0005 EA Log Jump.....	3,230.91	210.07
11 66 13 00-0006 EA Step Up.....	758.51	105.03
11 66 13 00-0007 EA Hip Rotation.....	3,521.16	183.81
11 66 13 00-0008 EA Body Curl.....	1,322.19	105.03
11 66 13 00-0009 EA Horizontal Ladder.....	4,251.62	210.07
11 66 13 00-0010 EA Chin Up.....	3,246.14	210.07
11 66 13 00-0011 EA Push Up.....	1,969.66	105.03
11 66 13 00-0012 EA Leg Raise.....	2,760.26	157.55
11 66 13 00-0013 EA Log Hop.....	1,240.00	52.52
11 66 13 00-0014 EA Parallel Bar.....	2,657.43	157.55
11 66 13 00-0015 EA Leg Stretch.....	1,139.38	105.03
11 66 13 00-0016 EA Balance Beam.....	1,014.49	78.77
11 66 13 00-0017 EA Log Roll.....	3,141.91	131.29
11 66 13 00-0018 Wall Mounted Equipment (11 66 13)		
11 66 13 00-0019 SET Parallel Bars, Wall Mounted.....	4,420.81	660.85
11 66 13 00-0020 EA Exercise Ladder, Wall Mounted.....	3,126.65	13.77

11 Equipment**11 60 Entertainment and Recreation Equipment****11 66 Athletic Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 Gymnasium Equipment (11 66)					
11 66 23 13 Basketball Equipment (11 66 23)					
11 66 23 13-0001 Basketball Equipment (11 66 23 13)					
11 66 23 13-0002	EA	4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46)	4,443.64	991.27	
		Note: Includes rim and net.			
		For Glass Backstop, Add	500.00		
		For Fiberglass Backstop, Add	200.00		
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure	6,976.96	991.27	
		Note: Includes rim and net.			
		For Glass Backstop, Add	500.00		
		For Fiberglass Backstop, Add	200.00		
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure	8,535.03	1,321.69	
		Note: Includes rim and net.			
		For Glass Backstop, Add	500.00		
		For Electrically Operated, Add	2,402.12		
		For Fiberglass Backstop, Add	200.00		
11 66 23 23 Volleyball Equipment (11 66 23)					
11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only	901.80	69.03	
		Note: Porter Athletic model # 717-003.			
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair	202.90	15.53	
		Note: Porter Athletic model # 00816-003.			
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net	665.07	50.91	
		Note: Porter Athletic model # 02255-000.			
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair	117.44	4.96	
		Note: Porter Athletic model # 02297-000.			
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair	405.74	10.47	
		Note: Porter Athletic model # 02296-100.			
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net	752.74	49.56	
		Note: Porter Athletic model # 02295-640.			
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red	740.12	22.03	
		Note: Porter Athletic model # 00839-103.			
		For Colors Other Than Standard Red, Add	22.00		
		Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.			
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard	1,485.28	55.07	
		Note: Porter Athletic model # 00889-100.			
11 66 23 23-0009	EA	Judge's Stand Padding	1,056.71	27.53	
		Note: Porter Athletic model # 00993-103.			
		For Colors Other Than Standard Red, Add	30.00		
		Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.			
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair	4,297.80	55.07	
		Note: Porter Athletic model # 01991-000.			
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve	247.60	4.96	
		Note: Porter Athletic model # 00402-000.			
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve	287.21	4.96	
		Note: Porter Athletic model # 00403-000.			
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve	309.85	4.96	
		Note: Porter Athletic model # 00404-000.			
11 66 23 53 Wall Padding (11 66 23)					
11 66 23 53-0001 Gymnasium Wall Padding (11 66 23 53)					
		Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.			
11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	17.25	1.90	
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.			
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	23.25	2.09	
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.			
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	27.11	1.90	
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	42.62	2.09	
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	34.74	1.90	
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	51.74	2.09	
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	5.55		
11 66 23 53-0008		Gymnasium Wall Padding Accessories (11 66 23 53)			



Equipment		11	11
Entertainment and Recreation Equipment		11 60	
Athletic Equipment		11 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0009 LF "Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	10.02	2.76
11 66 23 53-0010 LF Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	15.79	2.76
11 66 23 53-0011 LF Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	16.52	2.76
11 66 23 53-0012 EA Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads.....	55.05	
11 66 43 Interior Scoreboards (11 66)		
11 66 43 00-0001 Scoreboards (11 66 43)		
11 66 43 00-0002 EA 8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	5,760.41 -321.00 59.00 975.04	413.18
11 66 43 00-0003 EA 8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	8,425.71 -321.00 59.00 975.04	688.62
11 66 43 00-0004 EA 12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	13,164.66 -321.00 59.00 975.04	826.35
11 66 53 Gymnasium Dividers (11 66)		
11 66 53 11 Gymnasium Dividers (11 66 53)		
11 66 53 11-0001 Gymnasium Dividers (11 66 53 11)		
11 66 53 11-0002 SF Gym Divider, Manual Mesh Top And Vinyl Bottom	7.93	1.15
11 66 53 11-0003 SF Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	14.07	1.15
11 68 Play Field Equipment and Structures (11 60)		
11 68 13 Playground Equipment (11 68)		
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.		
11 68 13 00-0001 Standalone Playground Equipment (11 68 13)		
11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)		
11 68 13 00-0003 PR Ground Socket For 2-3/8" Post For Playground Equipment	301.67	70.91
11 68 13 00-0004 PR Ground Socket For 3-1/2" Post For Playground Equipment	441.58	70.91
11 68 13 00-0005 See-Saws (11 68 13 00-0001)		
11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)		
11 68 13 00-0007 EA 2 Unit Steel See-Saw.....	2,449.86	436.41
11 68 13 00-0008 EA 4 Unit Steel See-Saw.....	3,859.41	515.72
11 68 13 00-0009 EA 6 Unit Steel See-Saw.....	5,303.05	630.34
11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)		
11 68 13 00-0011 EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,503.05	385.88
11 68 13 00-0012 EA Beam Is Supported By Two 8 In x 8 In Posts.....	1,766.59	343.74
11 68 13 00-0013 Slides (11 68 13 00-0001)		
11 68 13 00-0014 EA 8' Long x 4' High Slide With Stainless Steel Bed	3,080.47	499.01
11 68 13 00-0015 EA 12' Long x 6' High Slide With Stainless Steel Bed	4,326.32	709.13
11 68 13 00-0016 EA 16' Long x 8' High Slide With Stainless Steel Bed	4,792.54	787.92
11 68 13 00-0017 EA 20' Long x 10' High Slide With Stainless Steel Bed	5,971.73	872.80
11 68 13 00-0018 EA 6' High, 360 Degree One Piece Molded Polyethylene Slide	18,728.30	1,372.98
11 68 13 00-0019 EA 7' High, 360 Degree Slide, Stainless Steel Bed	18,030.13	1,416.37
11 68 13 00-0020 EA 9' High, 360 Degree Slide, Stainless Steel Bed	22,604.36	1,488.65
11 68 13 00-0021 Whirlers (11 68 13 00-0001)		
11 68 13 00-0022 EA 8' Diameter Whirler	6,464.12	945.51
11 68 13 00-0023 EA 10' Diameter Whirler	7,527.63	1,134.61
11 68 13 00-0024 Other Standalone Playground Equipment (11 68 13 00-0001)		

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0025 Miscellaneous Standalone Playground Equipment (11 68 13 00-0024)		
11 68 13 00-0026 EA Horizontal Ladder	2,011.93	252.61
11 68 13 00-0027 EA Tether Ball Post	348.80	49.38
11 68 13 00-0028 PR 10'-6" Long Multiple Purpose Post	539.23	87.30
11 68 13 00-0029 EA 3-Person Fiberglass Golf Tee Shelter Turntable	9,680.63	246.67
11 68 13 00-0030 EA Horizontal Turning Bars, 1 Bar	660.22	131.81
11 68 13 00-0031 EA Horizontal Turning Bars, 2 Bars	883.85	157.55
11 68 13 00-0032 EA Horizontal Turning Bars, 3 Bars	1,190.67	210.07
11 68 13 00-0033 EA Horizontal Turning Bars, 5 Bars	1,733.47	288.85
11 68 13 00-0034 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,739.57	120.27
11 68 13 00-0035 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,914.18	129.82
11 68 13 00-0036 EA Coil Spring With Single Riding Aluminum Saddle Devices	1,878.02	139.18
11 68 13 00-0037 EA "C" Spring With Single Riding Aluminum Saddle Devices	2,486.89	119.74
11 68 13 00-0038 EA Rubber Spring With Single Riding Aluminum Saddle Devices	3,060.96	156.81
11 68 13 00-0039 EA Coil Spring Assembly Only	487.14	57.67
11 68 13 00-0040 EA "C" Spring Assembly Only	323.74	38.44
11 68 13 00-0041 EA Rubber Spring Assembly Only	279.69	74.99
11 68 13 00-0042 EA Footbuck Assembly Only	84.18	10.08
11 68 13 00-0043 EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,128.86	144.22
11 68 13 00-0044 Freestanding Panels (11 68 13 00-0024) Note: Rotomolded polyethylene.		
11 68 13 00-0045 EA Tic-Tac-Toe Panel	906.65	61.76
11 68 13 00-0046 EA 24" Bubble Panel	1,358.22	92.54
11 68 13 00-0047 EA Fire Engine Panel	1,993.22	135.81
11 68 13 00-0048 EA Flat Mirror Panel	1,594.58	108.71
11 68 13 00-0049 EA Wavy Mirror Panel	2,360.11	160.92
11 68 13 00-0050 EA Paint Time Panel	1,531.08	104.41
11 68 13 00-0051 EA Phone Time Panel	1,086.57	74.04
11 68 13 00-0052 EA Phone Time With Graphic Panel	1,086.57	74.04
11 68 13 00-0053 EA Race Time Panel	1,905.02	129.82
11 68 13 00-0054 EA Rescue 911 Panel	1,932.44	129.82
11 68 13 00-0055 EA Eastern/Central/Western States Panel	1,040.71	70.90
11 68 13 00-0056 EA Career People Panel	1,181.81	80.56
11 68 13 00-0057 EA Solar System Panel	1,181.81	80.56
11 68 13 00-0058 EA Animals Panel	1,181.81	80.56
11 68 13 00-0059 Freestanding Panels Uprights (11 68 13 00-0024)		
11 68 13 00-0060 EA 3-1/2" Outside Diameter End Panel Upright	288.61	34.66
11 68 13 00-0061 EA 3-1/2" Outside Diameter 90 Degree Upright	312.68	37.50
11 68 13 00-0062 EA 3-1/2" Outside Diameter 180 Degree Upright	312.68	37.50
11 68 13 00-0063 EA 3-1/2" Outside Diameter "T-Shaped" Upright	332.71	39.91
11 68 13 00-0064 Coasters (11 68 13 00-0024)		
11 68 13 00-0065 EA 12' Single Metal Coaster With Four Posts	6,986.19	420.14
11 68 13 00-0066 EA 18' Single Metal Coaster With Four Posts	7,838.37	525.17
11 68 13 00-0067 EA 12' Double Metal Coaster With Four Posts	11,277.48	630.21
11 68 13 00-0068 EA 18' Double Metal Coaster With Four Posts	12,858.78	787.76
11 68 13 00-0069 Climbers (11 68 13 00-0024)		
11 68 13 00-0070 EA Tower Climber, 3.17' Diameter x 7.25' High	1,376.96	280.65
11 68 13 00-0071 EA Arch Climber, 2' x 12' x 4.5' High	1,266.35	343.67
11 68 13 00-0072 EA Arch Climber, 2' x 15' x 5.83' High	1,364.12	280.65
11 68 13 00-0073 EA Arch Climber, 2' x 17' x 6.58' High	1,456.71	343.67
11 68 13 00-0074 EA Rainbow Climber, 2' x 10'-5" x 4' High	1,551.10	280.34
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 5' High	1,722.49	280.44
11 68 13 00-0076 EA Rainbow Climber, 2' x 12'-5" x 6' High	1,985.01	280.44
11 68 13 00-0077 EA Rainbow Climber, 2' x 15'-4" x 7' High	2,156.68	280.34
11 68 13 00-0078 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,597.48	328.23
11 68 13 00-0079 EA 12' Long Horizontal Ladder Climber	2,104.71	245.10
11 68 13 00-0080 EA 14' Long Horizontal Ladder Climber	2,133.60	245.10
11 68 13 00-0081 EA 16' Long Horizontal Ladder Climber	2,324.86	245.10
11 68 13 00-0082 EA Bell Climber, 7'-5" High With Double Bars	2,226.27	315.11
11 68 13 00-0083 EA 2-Way Climber	1,875.70	252.61
11 68 13 00-0084 EA 4-Way Climber	2,913.97	252.61
11 68 13 00-0085 Swings (11 68 13 00-0001)		
11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail (11 68 13 00-0085) Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087 EA 8' High Top Rail, One Section Two Seats	1,808.36	385.88
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	207.66	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	224.54	



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0088	EA		8' High Top Rail, Two Sections Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,870.90 331.28 364.51	552.17
11 68 13 00-0089	EA		8' High Top Rail, Three Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,977.12 458.44 502.47	812.51
11 68 13 00-0090	EA		8' High Top Rail, Four Sections, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,973.57 574.41 633.94	945.51
11 68 13 00-0091	EA		10' High Top Rail, One Section Two Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,919.00 221.49 243.90	385.88
11 68 13 00-0092	EA		10' High Top Rail, Two Section Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,012.03 346.30 376.06	588.11
11 68 13 00-0093	EA		10' High Top Rail, Three Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,174.29 478.28 512.98	913.25
11 68 13 00-0094	EA		10' High Top Rail, Four Sections, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,509.34 633.49 688.25	1,103.09
11 68 13 00-0095			Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail (11 68 13 00-0085) Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA		8' High Top Rail, One Section, Two Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,037.55 237.65 271.36	340.80
11 68 13 00-0097	EA		8' High Top Rail, Two Sections, Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,957.26 344.93 393.90	494.50
11 68 13 00-0098	EA		8' High Top Rail, Three Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,946.04 460.19 525.22	661.33
11 68 13 00-0099	EA		8' High Top Rail, Four Sections, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,915.04 574.98 663.12	787.92
11 68 13 00-0100	EA		10' High Top Rail, One Section, Two Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,297.66 268.00 306.08	384.08
11 68 13 00-0101	EA		10' High Top Rail, One Section Three Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,394.50 279.91 322.03	407.31
11 68 13 00-0102	EA		10' High Top Rail, Two Sections, Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,208.28 374.15 427.02	537.68
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,836.58 450.04 523.76	619.83
11 68 13 00-0104	EA		10' High Top Rail, Three Section, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,270.44 498.04 568.49	715.33
11 68 13 00-0105	EA		10' High Top Rail, Three Sections, Nine Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,276.12 620.11 726.31	788.23
11 68 13 00-0106	EA		10' High Top Rail, Four Section, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,432.22 631.74 714.21	945.51
11 68 13 00-0107	EA		12' High Top Rail, One Section Three Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,500.98 292.75 338.29	417.17
11 68 13 00-0108	EA		12' High Top Rail, Two Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,065.57 476.22 551.61	671.21
11 68 13 00-0109	EA		12' High Top Rail, Three Sections, Nine Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,970.95 693.84 782.28	1,075.04
11 68 13 00-0110			Swing Accessories (11 68 13 00-0085)		
11 68 13 00-0111	EA		Enclosed Tot Seat With Chain And Hardware	569.24	31.68
11 68 13 00-0112	EA		Bucket Seat With Chain And Hardware	473.22	26.34
11 68 13 00-0113	EA		Belt Seat With Chain And Hardware	504.08	28.13
11 68 13 00-0114	EA		Seat With Chain And Hardware	497.23	27.71
11 68 13 00-0115	EA		Wide Seat With Chain And Hardware	524.86	29.27
11 68 13 00-0116	EA		Handi Seat With Chain And Hardware	1,567.12	87.31
11 68 13 00-0117	LF		0.4 Lb./LF Replacement Chain	6.66	0.63
11 68 13 00-0118	LF		1 Lb./LF Replacement Chain	12.39	1.25
11 68 13 00-0119	EA		Swing Hanger Replacement	72.42	7.21

11 68 13 00-0120 **Playground Equipment (Landscape Structures®)** (11 68 13)
Note: Excludes excavation and concrete footings.

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-0121**Playground Equipment (Landscape Structures® PlayShaper®) (11 68 13 00-0120)**

Note: Ages 2 to 5 years.

11 68 13 00-0122	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A).....	3,016.28	138.24
11 68 13 00-0123	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A).....	7,650.60	518.42
11 68 13 00-0124	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A).....	3,144.16	138.24
11 68 13 00-0125	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A).....	3,597.32	207.37
11 68 13 00-0126	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A).....	3,058.42	207.37
11 68 13 00-0127	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A).....	2,422.57	138.24
11 68 13 00-0128	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B).....	2,687.46	138.24
11 68 13 00-0129	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	2,066.34	138.24
11 68 13 00-0130	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	5,870.21	414.74
11 68 13 00-0131	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B).....	6,765.34	414.74
11 68 13 00-0132	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C).....	7,285.98	414.74
11 68 13 00-0133	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	2,069.89	69.13
11 68 13 00-0134	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A).....	2,112.01	138.24
11 68 13 00-0135	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,802.67	207.37
11 68 13 00-0136	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	3,122.36	207.37
11 68 13 00-0137	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	3,478.58	207.37
11 68 13 00-0138	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	2,011.54	138.24
11 68 13 00-0139	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A).....	8,402.40	552.99
11 68 13 00-0140	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	1,180.35	138.24
11 68 13 00-0141	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	1,238.69	69.13
11 68 13 00-0142	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A).....	1,875.79	172.80
11 68 13 00-0143	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A).....	2,905.93	241.93
11 68 13 00-0144	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	3,390.03	241.93
11 68 13 00-0145	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A).....	3,153.29	138.24
11 68 13 00-0146	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	3,390.77	138.24
11 68 13 00-0147	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,554.84	138.24
11 68 13 00-0148	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,810.59	138.24
11 68 13 00-0149	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A).....	807.99	57.61
11 68 13 00-0150	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B).....	1,497.23	103.69
11 68 13 00-0151	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C).....	2,277.09	264.97
11 68 13 00-0152	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D).....	2,678.98	264.97
11 68 13 00-0153	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	2,386.03	138.24
11 68 13 00-0154	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	5,203.09	138.24
11 68 13 00-0155	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	3,527.78	138.24
11 68 13 00-0156	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	1,124.57	172.80
11 68 13 00-0157	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	1,155.74	172.80
11 68 13 00-0158	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	1,209.94	172.80
11 68 13 00-0159	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A).....	1,199.36	34.56
11 68 13 00-0160	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A).....	441.24	34.56
11 68 13 00-0161	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	4,295.83	241.93
11 68 13 00-0162	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	2,251.40	172.80
11 68 13 00-0163	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,366.99	57.61
11 68 13 00-0164	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,691.00	69.13
11 68 13 00-0165	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A).....	379.70	43.54
11 68 13 00-0166	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	2,088.15	69.13
11 68 13 00-0167	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	839.58	103.69
11 68 13 00-0168	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A).....	1,631.40	103.69
11 68 13 00-0169	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	5,795.08	276.49
11 68 13 00-0170	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	5,795.08	276.49
11 68 13 00-0171	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A).....	2,641.79	138.24
11 68 13 00-0172	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A).....	1,984.14	138.24
11 68 13 00-0173	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	2,024.22	69.13
11 68 13 00-0174	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,617.93	69.13
11 68 13 00-0175	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,897.54	138.24
11 68 13 00-0176	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	4,781.20	276.49
11 68 13 00-0177	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	4,781.20	276.49
11 68 13 00-0178	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	4,781.20	276.49
11 68 13 00-0179	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	4,781.20	276.49
11 68 13 00-0180	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	916.21	34.56
11 68 13 00-0181	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,398.90	23.04
11 68 13 00-0182	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,618.12	23.04
11 68 13 00-0183	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,764.26	23.04
11 68 13 00-0184	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	961.88	34.56
11 68 13 00-0185	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A).....	759.52	23.04
11 68 13 00-0186	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	2,211.83	23.04
11 68 13 00-0187	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	604.24	23.04
11 68 13 00-0188	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	715.26	34.56
11 68 13 00-0189	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,883.00	23.04
11 68 13 00-0190	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	1,181.09	34.56
11 68 13 00-0191	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,640.59	69.13
11 68 13 00-0192	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,757.92	57.61
11 68 13 00-0193	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,698.18	103.69
11 68 13 00-0194	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	1,225.35	23.04
11 68 13 00-0195	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,829.61	34.56



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 68 13 00-0196	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,254.16	34.56
11 68 13 00-0197	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,604.05	69.13
11 68 13 00-0198	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	550.85	34.56
11 68 13 00-0199	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,693.98	57.61
11 68 13 00-0200	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,304.03	92.17
11 68 13 00-0201	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,572.45	23.04
11 68 13 00-0202	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	604.24	23.04
11 68 13 00-0203	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	834.00	34.56
11 68 13 00-0204	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	604.24	23.04
11 68 13 00-0205	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	777.79	23.04
11 68 13 00-0206	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,478.96	103.69
11 68 13 00-0207	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,601.26	34.56
11 68 13 00-0208	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,217.63	34.56
11 68 13 00-0209	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,173.35	57.61
11 68 13 00-0210	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	680.11	57.61
11 68 13 00-0211	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	596.52	34.56
11 68 13 00-0212	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,652.51	103.69
11 68 13 00-0213	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,917.39	103.69
11 68 13 00-0214	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	549.44	23.04
11 68 13 00-0215	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	768.65	23.04
11 68 13 00-0216	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	160.33	23.04
11 68 13 00-0217	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	888.80	34.56
11 68 13 00-0218	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,182.48	57.61
11 68 13 00-0219	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	680.11	57.61
11 68 13 00-0220	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	945.00	57.61
11 68 13 00-0221	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	156.68	23.04
11 68 13 00-0222	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	293.69	23.04
11 68 13 00-0223	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	394.16	23.04
11 68 13 00-0224	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	229.75	23.04
11 68 13 00-0225	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	623.92	34.56
11 68 13 00-0226	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	642.19	34.56
11 68 13 00-0227	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	651.32	34.56
11 68 13 00-0228	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	669.59	34.56
11 68 13 00-0229	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	678.72	34.56
11 68 13 00-0230	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	696.99	34.56
11 68 13 00-0231	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A)	601.37	207.37
Note: Order one talk tube tubing kit with two talk tubes (any height listed).				
11 68 13 00-0232	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	946.40	69.13
11 68 13 00-0233	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,774.06	138.24
11 68 13 00-0234	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,965.87	138.24
11 68 13 00-0235	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,066.69	138.24
11 68 13 00-0236	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,724.34	138.24
11 68 13 00-0237	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,027.20	57.61
11 68 13 00-0238	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	981.53	57.61
11 68 13 00-0239	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	999.80	57.61
11 68 13 00-0240	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	806.60	34.56
11 68 13 00-0241	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,624.38	207.37
11 68 13 00-0242	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,487.37	207.37
11 68 13 00-0243	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,368.63	207.37
11 68 13 00-0244	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	193.21	23.04
11 68 13 00-0245	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	171.29	23.04
11 68 13 00-0246	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	248.02	23.04
11 68 13 00-0247	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	207.83	23.04
11 68 13 00-0248	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	302.82	23.04
11 68 13 00-0249	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,054.88	276.49
11 68 13 00-0250	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,484.17	276.49
11 68 13 00-0251	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,666.85	276.49
11 68 13 00-0252	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,832.40	69.13
11 68 13 00-0253	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,795.87	69.13
11 68 13 00-0254	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,777.60	69.13
11 68 13 00-0255	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,750.20	69.13
11 68 13 00-0256	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,722.79	69.13
11 68 13 00-0257	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,704.53	69.13
11 68 13 00-0258	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,686.26	69.13
11 68 13 00-0259	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,667.99	69.13
11 68 13 00-0260	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	413.84	34.56
11 68 13 00-0261	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	395.57	34.56
11 68 13 00-0262	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	368.17	34.56
11 68 13 00-0263	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	359.03	34.56
11 68 13 00-0264	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	349.90	34.56
11 68 13 00-0265	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	340.76	34.56
11 68 13 00-0266	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	765.78	207.37
11 68 13 00-0267	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	729.25	207.37
11 68 13 00-0268	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	720.11	207.37
11 68 13 00-0269	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	422.97	34.56
11 68 13 00-0270	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	413.84	34.56
11 68 13 00-0271	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	395.57	34.56
11 68 13 00-0272	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	368.17	34.56
11 68 13 00-0273	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	359.03	34.56

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0274	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	.....	486.91	34.56
11 68 13 00-0275	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	.....	477.77	34.56
11 68 13 00-0276	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	.....	450.37	34.56
11 68 13 00-0277	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	.....	441.24	34.56
11 68 13 00-0278	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	.....	432.10	34.56
11 68 13 00-0279	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	.....	413.84	34.56
11 68 13 00-0280	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	.....	395.57	34.56
11 68 13 00-0281	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	.....	368.17	34.56
11 68 13 00-0282	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	.....	2,773.04	243.57
11 68 13 00-0283	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	.....	2,736.82	240.43
11 68 13 00-0284	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	.....	2,229.36	195.89
11 68 13 00-0285	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	.....	2,193.03	192.63
11 68 13 00-0286	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	.....	453.10	39.81
11 68 13 00-0287	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	.....	434.98	38.24
11 68 13 00-0288	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	.....	492.97	43.28
11 68 13 00-0289	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	.....	471.23	41.38
11 68 13 00-0290	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	.....	8,951.91	345.62
11 68 13 00-0291	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	.....	4,766.48	207.37
11 68 13 00-0292 Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-0120)					
11 68 13 00-0293	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	.....	3,891.67	345.62
11 68 13 00-0294	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	.....	4,394.04	345.62
11 68 13 00-0295	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	.....	5,395.24	414.74
11 68 13 00-0296	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	.....	4,041.35	276.49
11 68 13 00-0297	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	.....	6,515.01	460.82
11 68 13 00-0298	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	.....	4,501.59	207.37
11 68 13 00-0299	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	.....	12,043.32	622.11
11 68 13 00-0300	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	.....	10,829.97	414.74
11 68 13 00-0301	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	.....	7,974.57	345.62
11 68 13 00-0302	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	.....	9,402.27	380.18
11 68 13 00-0303	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	.....	12,257.68	449.30
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	.....	13,685.38	483.86
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	.....	10,555.95	414.74
11 68 13 00-0306	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	.....	7,791.89	345.62
11 68 13 00-0307	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	.....	9,173.92	380.18
11 68 13 00-0308	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	.....	11,937.99	449.30
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	.....	13,320.02	483.86
11 68 13 00-0310	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	.....	442.63	57.61
11 68 13 00-0311	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	.....	451.76	57.61
11 68 13 00-0312	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	.....	460.89	57.61
11 68 13 00-0313	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	.....	470.03	57.61
11 68 13 00-0314	EA	Track Ride Curved (Landscape Structures® 118093A)	.....	4,404.65	138.24
11 68 13 00-0315	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	.....	6,719.67	414.74
11 68 13 00-0316	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	.....	6,536.99	414.74
11 68 13 00-0317	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	.....	5,660.13	414.74
11 68 13 00-0318	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	.....	5,294.77	414.74
11 68 13 00-0319	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	.....	5,888.48	414.74
11 68 13 00-0320	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	.....	5,705.80	414.74
11 68 13 00-0321	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	.....	562.78	69.13
11 68 13 00-0322	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	.....	20,098.04	829.48
11 68 13 00-0323	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	.....	17,437.08	1,244.22
11 68 13 00-0324	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	.....	5,883.47	691.23
11 68 13 00-0325	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	.....	7,128.64	276.49
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	.....	11,564.82	691.23
11 68 13 00-0327	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	.....	737.72	92.17
11 68 13 00-0328	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	.....	2,364.23	207.37
11 68 13 00-0329	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	.....	2,994.48	207.37
11 68 13 00-0330	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	.....	656.18	207.37
11 68 13 00-0331	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	.....	911.93	207.37
11 68 13 00-0332	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	.....	1,321.48	414.74
11 68 13 00-0333	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	.....	1,878.65	414.74
11 68 13 00-0334	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	.....	1,321.48	414.74
11 68 13 00-0335	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	.....	1,878.65	414.74
11 68 13 00-0336	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	.....	5,799.21	552.99
11 68 13 00-0337	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	.....	5,614.46	414.74
11 68 13 00-0338	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	.....	2,589.04	276.49
11 68 13 00-0339	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	.....	1,037.74	69.13
11 68 13 00-0340	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	.....	912.65	103.69
11 68 13 00-0341	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	.....	14,933.21	552.99
11 68 13 00-0342	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	.....	15,539.58	483.86
11 68 13 00-0343	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	.....	4,189.55	414.74
11 68 13 00-0344	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	.....	4,290.03	414.74
11 68 13 00-0345	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	.....	5,033.42	345.62
11 68 13 00-0346	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	.....	3,538.98	276.49
11 68 13 00-0347	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	.....	1,512.71	69.13



Equipment	11	11
Entertainment and Recreation Equipment	11 60	
Play Field Equipment and Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0348 EA Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	2,239.89	138.24
11 68 13 00-0349 EA Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	2,148.55	138.24
11 68 13 00-0350 EA Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	597.90	57.61
11 68 13 00-0351 EA Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	8,000.50	552.99
11 68 13 00-0352 EA Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,865.12	414.74
11 68 13 00-0353 EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,682.44	414.74
11 68 13 00-0354 EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	3,358.36	414.74
11 68 13 00-0355 EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	2,216.03	69.13
11 68 13 00-0356 EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	3,104.09	207.37
11 68 13 00-0357 EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A).....	5,584.99	276.49
11 68 13 00-0358 EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	8,056.78	345.62
11 68 13 00-0359 EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	3,262.90	138.24
11 68 13 00-0360 EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,815.33	138.24
11 68 13 00-0361 EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	3,609.99	138.24
11 68 13 00-0362 EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	3,116.75	138.24
11 68 13 00-0363 EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	4,358.98	138.24
11 68 13 00-0364 EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	3,884.01	138.24
11 68 13 00-0365 EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	412.43	23.04
11 68 13 00-0366 EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	339.36	23.04
11 68 13 00-0367 EA Stationary Cyclor, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,557.64	172.80
11 68 13 00-0368 EA Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,387.62	103.69
11 68 13 00-0369 EA Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	1,448.03	172.80
11 68 13 00-0370 EA Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	2,126.75	207.37
11 68 13 00-0371 EA Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	330.22	23.04
11 68 13 00-0372 EA Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	275.42	23.04
11 68 13 00-0373 EA Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,795.12	172.80
11 68 13 00-0374 EA Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,825.33	207.37
11 68 13 00-0375 EA Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,807.06	207.37
11 68 13 00-0376 EA Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	2,126.75	207.37
11 68 13 00-0377 EA RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,776.85	172.80
11 68 13 00-0378 EA T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,807.06	207.37
11 68 13 00-0379 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	2,677.58	241.93
11 68 13 00-0380 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	2,802.67	207.37
11 68 13 00-0381 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	2,430.96	241.93
11 68 13 00-0382 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	2,546.91	207.37
11 68 13 00-0383 EA Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,831.66	172.80
11 68 13 00-0384 EA Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A).....	1,490.90	138.24
11 68 13 00-0385 EA Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	1,521.10	172.80
11 68 13 00-0386 EA Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	1,502.83	172.80
11 68 13 00-0387 EA Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,831.66	172.80
11 68 13 00-0388 EA RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	1,481.77	138.24
11 68 13 00-0389 EA T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	1,502.83	172.80
11 68 13 00-0390 EA Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,877.33	172.80
11 68 13 00-0391 EA Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	2,005.20	172.80
11 68 13 00-0392 EA Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,913.86	172.80
11 68 13 00-0393 EA Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A).....	1,591.38	138.24
11 68 13 00-0394 EA Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,710.12	138.24
11 68 13 00-0395 EA Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,627.91	138.24
11 68 13 00-0396 EA SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	11,676.49	829.48
11 68 13 00-0397 EA 40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	6,229.98	345.62
11 68 13 00-0398 EA Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	7,527.00	345.62
11 68 13 00-0399 EA Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	22,873.88	1,382.47
11 68 13 00-0400 EA Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A).....	3,931.74	276.49
11 68 13 00-0401 EA Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	2,163.29	207.37
11 68 13 00-0402 EA 12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A).....	43,099.79	2,211.95
11 68 13 00-0403 EA 7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	23,791.41	1,658.96
11 68 13 00-0404 EA 6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	21,590.11	1,658.96
11 68 13 00-0405 EA 3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	10,284.00	552.99
11 68 13 00-0406 EA 4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,488.10	103.69
11 68 13 00-0407 EA 6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,661.64	103.69
11 68 13 00-0408 EA Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	5,294.77	414.74
11 68 13 00-0409 EA 4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	1,122.74	103.69
11 68 13 00-0410 EA 6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	1,214.08	103.69
11 68 13 00-0411 EA Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	5,121.46	552.99
11 68 13 00-0412 EA Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	4,968.01	552.99
11 68 13 00-0413 EA Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	3,217.46	276.49
11 68 13 00-0414 EA Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	3,064.01	276.49
11 68 13 00-0415 EA Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	2,655.04	414.74
11 68 13 00-0416 EA Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	2,808.49	414.74
11 68 13 00-0417 EA Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,898.40	207.37
11 68 13 00-0418 EA Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	2,051.85	207.37
11 68 13 00-0419 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	3,047.80	414.74
11 68 13 00-0420 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	3,201.25	414.74
11 68 13 00-0421 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	2,291.16	207.37
11 68 13 00-0422 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	2,444.61	207.37
11 68 13 00-0423 EA Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	1,147.35	69.13
11 68 13 00-0424 EA Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	5,863.14	552.99
11 68 13 00-0425 EA Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	4,096.15	276.49

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0426	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,333.37	552.99
11 68 13 00-0427	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,438.50	276.49
11 68 13 00-0428	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,652.98	276.49
11 68 13 00-0429	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,121.35	92.17
11 68 13 00-0430	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,986.93	172.80
11 68 13 00-0431	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,224.03	276.49
11 68 13 00-0432	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,717.26	276.49
11 68 13 00-0433	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,214.89	276.49
11 68 13 00-0434	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,708.13	276.49
11 68 13 00-0435	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	20,990.52	2,488.44
11 68 13 00-0436	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	20,387.67	2,488.44
11 68 13 00-0437	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,186.83	1,658.96
11 68 13 00-0438	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	13,442.59	1,658.96
11 68 13 00-0439	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,963.54	276.49
11 68 13 00-0440	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,872.20	276.49
11 68 13 00-0441	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	27.05	11.52
11 68 13 00-0442	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	85.15	11.52
11 68 13 00-0443	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,060.94	23.04
11 68 13 00-0444	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	587.38	34.56
11 68 13 00-0445	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	587.38	34.56
11 68 13 00-0446	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	550.85	34.56
11 68 13 00-0447	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,126.29	34.56
11 68 13 00-0448	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	952.74	34.56
11 68 13 00-0449	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	952.74	34.56
11 68 13 00-0450	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	321.09	23.04
11 68 13 00-0451	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	800.26	69.13
11 68 13 00-0452	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	413.84	34.56
11 68 13 00-0453	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	395.57	34.56
11 68 13 00-0454	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	129.27	23.04
11 68 13 00-0455	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	121.97	23.04
11 68 13 00-0456	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.78	3.46
11 68 13 00-0457	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.24	
11 68 13 00-0458	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	304.23	34.56
11 68 13 00-0459	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	101.87	17.28
11 68 13 00-0460	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	349.90	34.56
11 68 13 00-0461	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	295.09	34.56
11 68 13 00-0462	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,055.22	276.49
11 68 13 00-0463	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	184.08	17.28
11 68 13 00-0464	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	184.08	17.28
11 68 13 00-0465	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	184.08	17.28
11 68 13 00-0466	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	184.08	17.28
11 68 13 00-0467	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	184.08	17.28
11 68 13 00-0468	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	184.08	17.28
11 68 13 00-0469	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	193.21	17.28
11 68 13 00-0470	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,614.38	138.24
11 68 13 00-0471	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,691.11	138.24
11 68 13 00-0472	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	91.34	
11 68 13 00-0473	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,806.20	138.24
11 68 13 00-0474	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,882.92	138.24
11 68 13 00-0475	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,414.64	207.37
11 68 13 00-0476	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,587.92	829.48
11 68 13 00-0477	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,599.99	552.99
11 68 13 00-0478	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,599.99	552.99
11 68 13 00-0479	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,139.42	138.24
11 68 13 00-0480	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,292.87	138.24
11 68 13 00-0481	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,376.90	138.24
11 68 13 00-0482	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,530.35	138.24
11 68 13 00-0483	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,229.56	69.13
11 68 13 00-0484	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,383.01	69.13
11 68 13 00-0485	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,311.76	69.13
11 68 13 00-0486	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,465.22	69.13
11 68 13 00-0487	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,230.76	138.24
11 68 13 00-0488	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,464.59	138.24
11 68 13 00-0489	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,468.24	138.24
11 68 13 00-0490	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,702.07	138.24



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0491	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,302.63	69.13
11 68 13 00-0492	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,651.66	138.24
11 68 13 00-0493	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,384.84	69.13
11 68 13 00-0494	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,733.87	138.24
11 68 13 00-0495	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	2,322.10	138.24
11 68 13 00-0496	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	2,475.55	138.24
11 68 13 00-0497	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	2,559.58	138.24
11 68 13 00-0498	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,713.03	138.24
11 68 13 00-0499	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,403.10	69.13
11 68 13 00-0500	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,671.76	138.24
11 68 13 00-0501	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,485.31	69.13
11 68 13 00-0502	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,753.96	138.24
11 68 13 00-0503	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	2,413.44	138.24
11 68 13 00-0504	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,647.27	138.24
11 68 13 00-0505	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,650.92	138.24
11 68 13 00-0506	EA		5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,884.75	138.24
11 68 13 00-0507	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,485.31	69.13
11 68 13 00-0508	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,834.34	138.24
11 68 13 00-0509	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,682.72	138.24
11 68 13 00-0510	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,916.55	138.24
11 68 13 00-0511	EA		Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A).....	2,139.42	138.24
11 68 13 00-0512	EA		Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	2,376.90	138.24
11 68 13 00-0513	EA		T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,810.59	138.24
11 68 13 00-0514	EA		T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B).....	2,057.21	138.24
11 68 13 00-0515	EA		Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A).....	1,828.86	138.24
11 68 13 00-0516	EA		Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	2,075.48	138.24
11 68 13 00-0517	EA		Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,810.59	138.24
11 68 13 00-0518	EA		Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	2,057.21	138.24
11 68 13 00-0519	EA		Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	2,139.42	138.24
11 68 13 00-0520	EA		Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B).....	2,376.90	138.24
11 68 13 00-0521	EA		Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	1,965.87	138.24
11 68 13 00-0522	EA		Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B).....	2,185.09	138.24
11 68 13 00-0523	EA		Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A).....	2,075.48	138.24
11 68 13 00-0524	EA		Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	2,312.96	138.24
11 68 13 00-0525	EA		Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	1,993.27	138.24
11 68 13 00-0526	EA		Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	2,221.62	138.24
11 68 13 00-0527	EA		Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	2,066.34	138.24
11 68 13 00-0528	EA		Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A).....	2,851.87	138.24
11 68 13 00-0529	EA		8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,403.10	69.13
11 68 13 00-0530	EA		16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,412.24	69.13
11 68 13 00-0531	EA		24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,421.37	69.13
11 68 13 00-0532	EA		Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	2,559.58	138.24
11 68 13 00-0533	EA		Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B).....	4,401.12	207.37
11 68 13 00-0534	EA		Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C).....	6,644.54	276.49
11 68 13 00-0535	EA		Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	8,285.13	345.62
11 68 13 00-0536	EA		10", Pod Climber, One Pod Only (Landscape Structures® 158997A).....	413.84	34.56
11 68 13 00-0537	EA		20", Pod Climber, One Pod Only (Landscape Structures® 158998A).....	432.10	34.56
11 68 13 00-0538	EA		CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A).....	14,503.91	552.99
11 68 13 00-0539	EA		CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	7,667.55	276.49
11 68 13 00-0540	EA		CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	7,919.77	345.62
11 68 13 00-0541	EA		CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	8,047.64	345.62
11 68 13 00-0542	EA		CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	9,783.10	345.62
11 68 13 00-0543	EA		CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	9,910.98	345.62
11 68 13 00-0544	EA		CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	10,057.12	345.62
11 68 13 00-0545	EA		CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	12,428.42	414.74

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0546 EA CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	12,574.56	414.74
11 68 13 00-0547 EA CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	12,711.57	414.74
11 68 13 00-0548 EA Stationary Cyclor, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	2,340.36	138.24
11 68 13 00-0549 EA Stationary Cyclor, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	2,020.67	138.24
11 68 13 00-0550 EA Stationary Cyclor, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,915.81	138.24
11 68 13 00-0551 EA Stationary Cyclor, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	2,020.67	138.24
11 68 13 00-0552 EA Stationary Cyclor, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	2,285.56	138.24
11 68 13 00-0553 EA Stationary Cyclor, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	1,965.87	138.24
11 68 13 00-0554 EA Stationary Cyclor, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G).....	2,861.00	138.24
11 68 13 00-0555 EA Stationary Cyclor, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	1,965.87	138.24
11 68 13 00-0556 EA Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A).....	3,423.78	207.37
11 68 13 00-0557 EA Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B).....	3,368.97	207.37
11 68 13 00-0558 EA Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	5,868.15	276.49
11 68 13 00-0559 EA Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	5,813.34	276.49
11 68 13 00-0560 EA The Peak Natural Climber (Landscape Structures® 160418A).....	8,486.07	345.62
11 68 13 00-0561 EA The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	4,300.64	207.37
11 68 13 00-0562 EA Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	10,513.82	345.62
11 68 13 00-0563 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	7,758.89	276.49
11 68 13 00-0564 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	7,356.99	276.49
11 68 13 00-0565 EA HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	7,758.89	276.49
11 68 13 00-0566 EA HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	7,356.99	276.49
11 68 13 00-0567 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	4,200.17	207.37
11 68 13 00-0568 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	3,789.14	207.37
11 68 13 00-0569 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	9,700.90	345.62
11 68 13 00-0570 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	9,299.00	345.62
11 68 13 00-0571 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	3,789.14	207.37
11 68 13 00-0572 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	3,387.24	207.37
11 68 13 00-0573 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	3,688.66	207.37
11 68 13 00-0574 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	3,387.24	207.37
11 68 13 00-0575 EA HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	4,401.12	207.37
11 68 13 00-0576 EA HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	4,602.06	207.37
11 68 13 00-0577 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	3,487.72	207.37
11 68 13 00-0578 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	3,387.24	207.37
11 68 13 00-0579 EA HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	4,401.12	207.37
11 68 13 00-0580 EA HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	4,602.06	207.37
11 68 13 00-0581 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,646.18	138.24
11 68 13 00-0582 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	1,129.08	69.13
11 68 13 00-0583 EA Global Releaf Sign With Frame (Landscape Structures® 162617A).....	1,010.34	69.13
11 68 13 00-0584 EA Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	1,302.63	69.13
11 68 13 00-0585 EA Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,664.45	138.24
11 68 13 00-0586 EA Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	2,513.91	138.24
11 68 13 00-0587 EA Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,696.59	138.24
11 68 13 00-0588 EA 16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,929.33	138.24
11 68 13 00-0589 EA 24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,947.60	138.24
11 68 13 00-0590 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0120)		
11 68 13 00-0591 EA 116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,801.46	138.24
11 68 13 00-0592 EA Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,929.33	138.24
11 68 13 00-0593 EA Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	772.86	69.13
11 68 13 00-0594 EA Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	736.32	69.13
11 68 13 00-0595 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	587.38	34.56
11 68 13 00-0596 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	578.25	34.56
11 68 13 00-0597 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	550.85	34.56
11 68 13 00-0598 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	541.71	34.56
11 68 13 00-0599 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	514.31	34.56
11 68 13 00-0600 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	505.18	34.56
11 68 13 00-0601 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	486.91	34.56
11 68 13 00-0602 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	477.77	34.56
11 68 13 00-0603 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	450.37	34.56
11 68 13 00-0604 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	441.24	34.56
11 68 13 00-0605 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	514.31	34.56
11 68 13 00-0606 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	496.04	34.56
11 68 13 00-0607 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	486.91	34.56
11 68 13 00-0608 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	477.77	34.56
11 68 13 00-0609 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	450.37	34.56
11 68 13 00-0610 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	441.24	34.56
11 68 13 00-0611 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	432.10	34.56
11 68 13 00-0612 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	413.84	34.56
11 68 13 00-0613 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	395.57	34.56
11 68 13 00-0614 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	368.17	34.56
11 68 13 00-0615 EA 106"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	727.19	69.13
11 68 13 00-0616 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	699.79	69.13
11 68 13 00-0617 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	672.38	69.13
11 68 13 00-0618 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	596.52	34.56
11 68 13 00-0619 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	587.38	34.56
11 68 13 00-0620 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	569.11	34.56



Equipment	11	11
Entertainment and Recreation Equipment	11 60	
Play Field Equipment and Structures	11 68	

MINOR	CSU	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0621	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	541.71	34.56
11 68 13 00-0622	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	532.58	34.56
11 68 13 00-0623	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	514.31	34.56
11 68 13 00-0624	EA		ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	5,781.75	230.41
11 68 13 00-0625	EA		TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	7,494.59	622.11
11 68 13 00-0626	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	2,480.17	172.80
11 68 13 00-0627	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,745.06	172.80
11 68 13 00-0628	EA		Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	3,186.29	207.37
11 68 13 00-0629	EA		40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	3,879.07	195.85
11 68 13 00-0630	EA		48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	4,419.38	207.37
11 68 13 00-0631	EA		56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	4,675.14	207.37
11 68 13 00-0632	EA		64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	5,233.71	230.41
11 68 13 00-0633	EA		72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	5,480.33	230.41
11 68 13 00-0634	EA		96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	7,331.00	299.54
11 68 13 00-0635	EA		Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A).....	1,152.94	138.24
11 68 13 00-0636	EA		Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B).....	1,180.35	138.24
11 68 13 00-0637	EA		Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,554.84	138.24
11 68 13 00-0638	EA		Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,600.51	138.24
11 68 13 00-0639	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	5,870.21	414.74
11 68 13 00-0640	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	6,765.34	414.74
11 68 13 00-0641	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	7,285.98	414.74
11 68 13 00-0642	EA		56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	8,612.48	552.99
11 68 13 00-0643	EA		64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	8,822.56	552.99
11 68 13 00-0644	EA		72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	10,302.27	552.99
11 68 13 00-0645	EA		96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	12,149.40	691.23
11 68 13 00-0646	EA		40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	9,561.08	311.06
11 68 13 00-0647	EA		56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	12,023.73	380.18
11 68 13 00-0648	EA		Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	2,112.01	138.24
11 68 13 00-0649	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	2,802.67	207.37
11 68 13 00-0650	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	3,122.36	207.37
11 68 13 00-0651	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	3,478.58	207.37
11 68 13 00-0652	EA		56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	3,950.01	276.49
11 68 13 00-0653	EA		64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	4,114.42	276.49
11 68 13 00-0654	EA		72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	4,699.00	276.49
11 68 13 00-0655	EA		96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	5,618.00	345.62
11 68 13 00-0656	EA		72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	8,363.05	518.42
11 68 13 00-0657	EA		72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	8,678.55	472.34
11 68 13 00-0658	EA		56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	7,595.80	518.42
11 68 13 00-0659	EA		56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	7,883.89	472.34
11 68 13 00-0660	EA		32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	3,000.81	172.80
11 68 13 00-0661	EA		48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	3,265.69	172.80
11 68 13 00-0662	EA		64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	4,032.95	172.80
11 68 13 00-0663	EA		32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	3,320.50	172.80
11 68 13 00-0664	EA		48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	3,585.38	172.80
11 68 13 00-0665	EA		64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	4,370.91	172.80
11 68 13 00-0666	EA		32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	3,384.44	172.80
11 68 13 00-0667	EA		40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	3,585.38	172.80
11 68 13 00-0668	EA		48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	4,125.69	195.85
11 68 13 00-0669	EA		56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	4,364.58	207.37
11 68 13 00-0670	EA		64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	4,876.08	207.37
11 68 13 00-0671	EA		72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	5,049.63	207.37
11 68 13 00-0672	EA		96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	6,662.81	276.49
11 68 13 00-0673	EA		Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	1,211.29	69.13
11 68 13 00-0674	EA		Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	2,136.61	103.69
11 68 13 00-0675	EA		Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	4,830.41	207.37
11 68 13 00-0676	EA		32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	3,126.55	264.97
11 68 13 00-0677	EA		40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	3,638.05	264.97
11 68 13 00-0678	EA		32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	3,537.58	264.97
11 68 13 00-0679	EA		40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	4,067.35	264.97
11 68 13 00-0680	EA		Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,833.40	195.85
11 68 13 00-0681	EA		Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	3,761.74	207.37
11 68 13 00-0682	EA		Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	4,035.76	207.37
11 68 13 00-0683	EA		Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	4,528.99	207.37
11 68 13 00-0684	EA		Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	4,793.88	207.37
11 68 13 00-0685	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,834.46	207.37
11 68 13 00-0686	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,934.94	207.37
11 68 13 00-0687	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	2,062.81	207.37
11 68 13 00-0688	EA		Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,492.11	207.37
11 68 13 00-0689	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,592.58	207.37
11 68 13 00-0690	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,720.46	207.37
11 68 13 00-0691	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,820.93	207.37
11 68 13 00-0692	EA		Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	4,041.35	276.49
11 68 13 00-0693	EA		Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	5,192.23	276.49
11 68 13 00-0694	EA		Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	5,868.15	276.49
11 68 13 00-0695	EA		Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	7,338.72	276.49

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0696 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,626.27	276.49
11 68 13 00-0697 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,868.15	276.49
11 68 13 00-0698 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,082.62	276.49
11 68 13 00-0699 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,064.70	276.49
11 68 13 00-0700 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,626.27	276.49
11 68 13 00-0701 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,187.84	276.49
11 68 13 00-0702 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,122.36	207.37
11 68 13 00-0703 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,044.89	207.37
11 68 13 00-0704 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,434.50	172.80
11 68 13 00-0705 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,086.02	161.28
11 68 13 00-0706 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,798.47	161.28
11 68 13 00-0707 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,478.78	161.28
11 68 13 00-0708 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,206.15	172.80
11 68 13 00-0709 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,315.76	172.80
11 68 13 00-0710 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,407.10	172.80
11 68 13 00-0711 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,402.36	172.80
11 68 13 00-0712 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,475.43	172.80
11 68 13 00-0713 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,594.17	172.80
11 68 13 00-0714 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,795.12	172.80
11 68 13 00-0715 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,868.19	172.80
11 68 13 00-0716 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,968.67	172.80
11 68 13 00-0717 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,407.10	172.80
11 68 13 00-0718 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,425.37	172.80
11 68 13 00-0719 EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,854.66	172.80
11 68 13 00-0720 EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,872.93	172.80
11 68 13 00-0721 EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,790.73	172.80
11 68 13 00-0722 EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,836.40	172.80
11 68 13 00-0723 EA 64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,265.69	172.80
11 68 13 00-0724 EA 72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,293.10	172.80
11 68 13 00-0725 EA 72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,463.45	241.93
11 68 13 00-0726 EA 40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,476.97	241.93
11 68 13 00-0727 EA 32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,573.11	138.24
11 68 13 00-0728 EA 56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,774.06	138.24
11 68 13 00-0729 EA 32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,975.00	138.24
11 68 13 00-0730 EA 56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,230.76	138.24
11 68 13 00-0731 EA 64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,341.17	311.06
11 68 13 00-0732 EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,333.86	103.69
11 68 13 00-0733 EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,283.92	276.49
11 68 13 00-0734 EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,283.92	276.49
11 68 13 00-0735 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,283.92	276.49
11 68 13 00-0736 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,333.86	103.69
11 68 13 00-0737 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,633.00	138.24
11 68 13 00-0738 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,474.02	138.24
11 68 13 00-0739 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,247.77	172.80
11 68 13 00-0740 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	240.29	34.56
11 68 13 00-0741 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	276.83	34.56
11 68 13 00-0742 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,034.95	34.56
11 68 13 00-0743 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	368.17	34.56
11 68 13 00-0744 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,268.50	207.37
11 68 13 00-0745 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,505.98	207.37
11 68 13 00-0746 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,670.40	207.37
11 68 13 00-0747 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	4,008.35	207.37
11 68 13 00-0748 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,670.40	207.37
11 68 13 00-0749 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,935.28	207.37
11 68 13 00-0750 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,835.19	103.69
11 68 13 00-0751 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,602.44	103.69
11 68 13 00-0752 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,378.83	103.69
11 68 13 00-0753 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,146.09	103.69
11 68 13 00-0754 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,771.25	103.69
11 68 13 00-0755 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,027.00	103.69
11 68 13 00-0756 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,291.89	103.69
11 68 13 00-0757 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,401.50	103.69
11 68 13 00-0758 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,118.34	103.69
11 68 13 00-0759 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,392.36	103.69
11 68 13 00-0760 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,648.11	103.69
11 68 13 00-0761 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,903.25	103.69
11 68 13 00-0762 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	5,015.88	241.93
11 68 13 00-0763 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,143.76	241.93
11 68 13 00-0764 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,070.68	241.93
11 68 13 00-0765 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,828.81	241.93
11 68 13 00-0766 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,956.68	241.93



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0767	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	5,901.88	241.93	
11 68 13 00-0768	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,950.40	172.80	
11 68 13 00-0769	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	2,142.21	172.80	
11 68 13 00-0770	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	2,343.16	172.80	
11 68 13 00-0771	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,519.51	207.37	
11 68 13 00-0772	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,720.46	207.37	
11 68 13 00-0773	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,912.27	207.37	
11 68 13 00-0774	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	2,352.29	172.80	
11 68 13 00-0775	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,534.97	172.80	
11 68 13 00-0776	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,745.06	172.80	
11 68 13 00-0777	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,353.89	138.24	
11 68 13 00-0778	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,755.79	138.24	
11 68 13 00-0779	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,573.11	138.24	
11 68 13 00-0780	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,700.98	138.24	
11 68 13 00-0781	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,975.00	138.24	
11 68 13 00-0782	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	2,084.61	138.24	
11 68 13 00-0783	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,167.02	92.17	
11 68 13 00-0784	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,285.76	92.17	
11 68 13 00-0785	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,431.90	92.17	
11 68 13 00-0786	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,716.45	103.69	
11 68 13 00-0787	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,935.66	103.69	
11 68 13 00-0788	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,136.61	103.69	
11 68 13 00-0789	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,410.63	103.69	
11 68 13 00-0790	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,511.10	103.69	
11 68 13 00-0791	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,602.44	103.69	
11 68 13 00-0792	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,913.00	103.69	
11 68 13 00-0793	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	3,013.47	103.69	
11 68 13 00-0794	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,489.30	172.80	
11 68 13 00-0795	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,608.05	172.80	
11 68 13 00-0796	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,405.51	207.37	
11 68 13 00-0797	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,551.65	207.37	
11 68 13 00-0798	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,891.20	172.80	
11 68 13 00-0799	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	3,000.81	172.80	
11 68 13 00-0800	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,326.49	138.24	
11 68 13 00-0801	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,774.06	138.24	
11 68 13 00-0802	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	2,232.16	161.28	
11 68 13 00-0803	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,688.86	161.28	
11 68 13 00-0804	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,148.55	138.24	
11 68 13 00-0805	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,285.56	138.24	
11 68 13 00-0806	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,605.25	138.24	
11 68 13 00-0807	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,924.94	138.24	
11 68 13 00-0808	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,559.58	138.24	
11 68 13 00-0809	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,687.46	138.24	
11 68 13 00-0810	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	3,007.15	138.24	
11 68 13 00-0811	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,335.97	138.24	
11 68 13 00-0812	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,607.94	207.37	
11 68 13 00-0813	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,883.66	138.24	
11 68 13 00-0814	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,071.95	207.37	
11 68 13 00-0815	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	8,402.40	552.99	
11 68 13 00-0816	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	8,402.40	552.99	
11 68 13 00-0817	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,682.72	138.24	
11 68 13 00-0818	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,682.72	138.24	
11 68 13 00-0819	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,856.26	138.24	
11 68 13 00-0820	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,856.26	138.24	
11 68 13 00-0821	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	1,086.20	103.69	
11 68 13 00-0822	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	1,168.41	103.69	
11 68 13 00-0823	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	1,223.21	103.69	
11 68 13 00-0824	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,296.28	103.69	
11 68 13 00-0825	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,698.18	103.69	
11 68 13 00-0826	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,771.25	103.69	
11 68 13 00-0827	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,835.19	103.69	
11 68 13 00-0828	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,917.39	103.69	
11 68 13 00-0829	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	1,478.96	103.69	
11 68 13 00-0830	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,533.77	103.69	
11 68 13 00-0831	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,615.97	103.69	
11 68 13 00-0832	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,698.18	103.69	
11 68 13 00-0833	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	1,265.35	172.80	
11 68 13 00-0834	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,311.02	172.80	
11 68 13 00-0835	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,393.22	172.80	
11 68 13 00-0836	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,758.58	172.80	
11 68 13 00-0837	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,831.66	172.80	
11 68 13 00-0838	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,886.46	172.80	
11 68 13 00-0839	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	1,950.40	172.80	
11 68 13 00-0840	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	2,014.34	172.80	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0841 EA 72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,078.27	172.80
11 68 13 00-0842 EA 32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,475.43	172.80
11 68 13 00-0843 EA 40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,548.50	172.80
11 68 13 00-0844 EA 48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,594.17	172.80
11 68 13 00-0845 EA 56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,639.84	172.80
11 68 13 00-0846 EA 64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,694.65	172.80
11 68 13 00-0847 EA 72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,776.85	172.80
11 68 13 00-0848 EA Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,513.91	138.24
11 68 13 00-0849 EA Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,771.25	103.69
11 68 13 00-0850 EA Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,551.65	207.37
11 68 13 00-0851 EA Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	891.60	69.13
11 68 13 00-0852 EA Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,513.91	138.24
11 68 13 00-0853 EA Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,519.86	207.37
11 68 13 00-0854 EA Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,585.38	172.80
11 68 13 00-0855 EA Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,405.51	207.37
11 68 13 00-0856 EA Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,804.60	172.80
11 68 13 00-0857 EA Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,461.90	172.80
11 68 13 00-0858 EA Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,558.38	69.13
11 68 13 00-0859 EA Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,521.85	69.13
11 68 13 00-0860 EA Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,604.05	69.13
11 68 13 00-0861 EA Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,238.69	69.13
11 68 13 00-0862 EA Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,713.66	69.13
11 68 13 00-0863 EA Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,375.70	69.13
11 68 13 00-0864 EA Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,750.20	69.13
11 68 13 00-0865 EA Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,585.38	172.80
11 68 13 00-0866 EA Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,521.85	69.13
11 68 13 00-0867 EA Overhead Events Wiggly Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,624.26	34.56
11 68 13 00-0868 EA Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,255.35	103.69
11 68 13 00-0869 EA Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,999.60	103.69
11 68 13 00-0870 EA 116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,719.25	138.24
11 68 13 00-0871 EA 132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,810.59	138.24
11 68 13 00-0872 EA 10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,372.51	138.24
11 68 13 00-0873 EA 18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,792.67	138.24
11 68 13 00-0874 EA 16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,829.67	311.06
11 68 13 00-0875 EA 90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,138.64	345.62
11 68 13 00-0876 EA C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,291.15	691.23
11 68 13 00-0877 EA 16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,285.98	414.74
11 68 13 00-0878 EA 42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,882.81	69.13
11 68 13 00-0879 EA 42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,074.63	69.13
11 68 13 00-0880 EA 123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,613.13	172.80
11 68 13 00-0881 EA 123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,229.85	172.80
11 68 13 00-0882 EA 42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,940.40	103.69
11 68 13 00-0883 EA 84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,452.38	276.49
11 68 13 00-0884 EA 123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,146.56	276.49
11 68 13 00-0885 EA Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	441.24	34.56
11 68 13 00-0886 EA Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	666.04	103.69
11 68 13 00-0887 EA Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	812.18	103.69
11 68 13 00-0888 EA Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	647.77	103.69
11 68 13 00-0889 EA 84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,803.01	207.37
11 68 13 00-0890 EA 123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,084.56	241.93
11 68 13 00-0891 EA 84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,894.70	207.37
11 68 13 00-0892 EA 123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,429.21	207.37
11 68 13 00-0893 EA 84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,204.29	483.86
11 68 13 00-0894 EA 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,817.47	552.99
11 68 13 00-0895 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,817.47	552.99
11 68 13 00-0896 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,298.58	69.13
11 68 13 00-0897 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,809.74	69.13



	Equipment	11	
	Entertainment and Recreation Equipment	11 60	11
	Play Field Equipment and Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0898 EA Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,243.88	241.93
11 68 13 00-0899 EA 64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,582.59	138.24
11 68 13 00-0900 EA 90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,249.37	138.24
11 68 13 00-0901 EA 32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,742.26	138.24
11 68 13 00-0902 EA C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	6,991.63	276.49
11 68 13 00-0903 EA S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	6,991.63	276.49
11 68 13 00-0904 EA C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,991.63	276.49
11 68 13 00-0905 EA S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	6,991.63	276.49
11 68 13 00-0906 EA 24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,476.97	241.93
11 68 13 00-0907 EA 8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,965.47	241.93
11 68 13 00-0908 EA 16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,093.35	241.93
11 68 13 00-0909 EA Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,190.03	92.17
11 68 13 00-0910 EA Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,080.42	92.17
11 68 13 00-0911 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,453.51	69.13
11 68 13 00-0912 EA Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,896.34	69.13
11 68 13 00-0913 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,824.67	92.17
11 68 13 00-0914 EA Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,687.66	92.17
11 68 13 00-0915 EA Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,119.95	69.13
11 68 13 00-0916 EA Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	827.66	69.13
11 68 13 00-0917 EA Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	836.80	69.13
11 68 13 00-0918 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,604.05	69.13
11 68 13 00-0919 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,304.03	92.17
11 68 13 00-0920 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	1,001.21	69.13
11 68 13 00-0921 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	1,001.21	69.13
11 68 13 00-0922 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,521.85	69.13
11 68 13 00-0923 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,457.91	69.13
11 68 13 00-0924 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,722.79	69.13
11 68 13 00-0925 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,051.62	69.13
11 68 13 00-0926 EA Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,896.34	69.13
11 68 13 00-0927 EA Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,019.48	69.13
11 68 13 00-0928 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,707.31	103.69
11 68 13 00-0929 EA Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,963.06	103.69
11 68 13 00-0930 EA Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,238.69	69.13
11 68 13 00-0931 EA Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,430.51	69.13
11 68 13 00-0932 EA Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,147.35	69.13
11 68 13 00-0933 EA Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	964.67	69.13
11 68 13 00-0934 EA Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	919.00	69.13
11 68 13 00-0935 EA Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,580.84	126.73
11 68 13 00-0936 EA Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,118.34	103.69
11 68 13 00-0937 EA Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,441.04	92.17
11 68 13 00-0938 EA Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	827.66	69.13
11 68 13 00-0939 EA Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	855.06	69.13
11 68 13 00-0940 EA 2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	413.84	34.56
11 68 13 00-0941 EA 1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	207.83	23.04
11 68 13 00-0942 EA House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,082.01	57.61
11 68 13 00-0943 EA House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,293.50	69.13
11 68 13 00-0944 EA House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	937.27	69.13
11 68 13 00-0945 EA Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,353.04	69.13
11 68 13 00-0946 EA Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,051.62	69.13
11 68 13 00-0947 EA Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,563.12	69.13
11 68 13 00-0948 EA Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	855.06	69.13
11 68 13 00-0949 EA Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	920.40	92.17
11 68 13 00-0950 EA Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,092.55	69.13
11 68 13 00-0951 EA Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,176.15	92.17
11 68 13 00-0952 EA Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	909.87	69.13
11 68 13 00-0953 EA Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,165.62	69.13
11 68 13 00-0954 EA Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	736.32	69.13
11 68 13 00-0955 EA Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	938.67	92.17
11 68 13 00-0956 EA Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	888.80	34.56
11 68 13 00-0957 EA Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	638.08	34.56
11 68 13 00-0958 EA Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,162.82	34.56
11 68 13 00-0959 EA Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,968.00	57.61
11 68 13 00-0960 EA Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,063.74	57.61
11 68 13 00-0961 EA Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,620.91	57.61
11 68 13 00-0962 EA Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,220.42	69.13
11 68 13 00-0963 EA Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,485.31	69.13
11 68 13 00-0964 EA Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,983.29	69.13
11 68 13 00-0965 EA Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,213.03	92.17
11 68 13 00-0966 EA Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,859.80	69.13
11 68 13 00-0967 EA Wire Barrier (Landscape Structures® PlayBooster® 120314A)	956.94	92.17
11 68 13 00-0968 EA Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,157.88	92.17
11 68 13 00-0969 EA Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,221.82	92.17
11 68 13 00-0970 EA Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,422.77	92.17
11 68 13 00-0971 EA Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,019.48	69.13

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0972 EA Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	1,284.36	69.13
11 68 13 00-0973 EA Loop Seats (Landscape Structures® PlayBooster® 118089A).....	642.19	34.56
11 68 13 00-0974 EA Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	248.02	23.04
11 68 13 00-0975 EA Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	275.42	23.04
11 68 13 00-0976 EA Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	360.42	57.61
11 68 13 00-0977 EA Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	351.29	57.61
11 68 13 00-0978 EA Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,854.86	126.73
11 68 13 00-0979 EA Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	803.05	103.69
11 68 13 00-0980 EA Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	748.24	103.69
11 68 13 00-0981 EA Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	955.54	69.13
11 68 13 00-0982 EA Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	2,547.64	103.69
11 68 13 00-0983 EA 48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	897.94	34.56
11 68 13 00-0984 EA 72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	952.74	34.56
11 68 13 00-0985 EA Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	678.72	34.56
11 68 13 00-0986 EA 16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	687.86	34.56
11 68 13 00-0987 EA 24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	696.99	34.56
11 68 13 00-0988 EA 32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	706.12	34.56
11 68 13 00-0989 EA 40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	715.26	34.56
11 68 13 00-0990 EA 48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	733.53	34.56
11 68 13 00-0991 EA 56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	742.66	34.56
11 68 13 00-0992 EA 64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	760.93	34.56
11 68 13 00-0993 EA 72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	770.06	34.56
11 68 13 00-0994 EA Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	1,062.35	34.56
11 68 13 00-0995 EA Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	3,246.69	276.49
11 68 13 00-0996 EA Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	4,552.85	276.49
11 68 13 00-0997 EA Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	3,734.33	207.37
11 68 13 00-0998 EA Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,980.95	207.37
11 68 13 00-0999 EA Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	6,194.17	241.93
11 68 13 00-1000 EA Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	385.03	23.04
11 68 13 00-1001 EA Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	15,366.62	829.48
11 68 13 00-1002 EA Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	5,116.22	691.23
11 68 13 00-1003 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	26,287.92	1,244.22
11 68 13 00-1004 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	20,560.91	1,244.22
11 68 13 00-1005 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	19,455.69	1,244.22
11 68 13 00-1006 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	26,443.20	1,244.22
11 68 13 00-1007 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	20,716.18	1,244.22
11 68 13 00-1008 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	19,620.10	1,244.22
11 68 13 00-1009 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,348.30	69.13
11 68 13 00-1010 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,293.50	69.13
11 68 13 00-1011 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	1,256.96	69.13
11 68 13 00-1012 EA Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	1,016.68	34.56
11 68 13 00-1013 EA Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	3,804.60	172.80
11 68 13 00-1014 EA Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	1,008.93	57.61
11 68 13 00-1015 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	1,080.62	34.56
11 68 13 00-1016 EA Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	763.72	69.13
11 68 13 00-1017 EA 24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	616.17	57.61
11 68 13 00-1018 EA 32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	762.32	57.61
11 68 13 00-1019 EA To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	3,319.76	276.49
11 68 13 00-1020 EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,758.19	276.49
11 68 13 00-1021 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,940.87	276.49
11 68 13 00-1022 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,666.85	276.49
11 68 13 00-1023 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	4,096.15	276.49
11 68 13 00-1024 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	4,251.43	276.49
11 68 13 00-1025 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,932.88	69.13
11 68 13 00-1026 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,868.94	69.13
11 68 13 00-1027 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,795.87	69.13
11 68 13 00-1028 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,777.60	69.13
11 68 13 00-1029 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,658.86	69.13
11 68 13 00-1030 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	643.57	57.61
11 68 13 00-1031 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	625.31	57.61
11 68 13 00-1032 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	616.17	57.61
11 68 13 00-1033 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	607.04	57.61
11 68 13 00-1034 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	597.90	57.61
11 68 13 00-1035 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	579.64	57.61



Equipment	11	11
Entertainment and Recreation Equipment	11 60	
Play Field Equipment and Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1036 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	570.50	57.61
11 68 13 00-1037 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	561.37	57.61
11 68 13 00-1038 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	543.10	57.61
11 68 13 00-1039 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	607.04	57.61
11 68 13 00-1040 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	597.90	57.61
11 68 13 00-1041 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	579.64	57.61
11 68 13 00-1042 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	570.50	57.61
11 68 13 00-1043 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	561.37	57.61
11 68 13 00-1044 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	543.10	57.61
11 68 13 00-1045 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	533.97	57.61
11 68 13 00-1046 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	524.83	57.61
11 68 13 00-1047 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	515.70	57.61
11 68 13 00-1048 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	477.77	34.56
11 68 13 00-1049 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	790.16	34.56
11 68 13 00-1050 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	441.24	34.56
11 68 13 00-1051 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	432.10	34.56
11 68 13 00-1052 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	422.97	34.56
11 68 13 00-1053 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	413.84	34.56
11 68 13 00-1054 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	395.57	34.56
11 68 13 00-1055 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	368.17	34.56
11 68 13 00-1056 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	349.90	34.56
11 68 13 00-1057 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	340.76	34.56
11 68 13 00-1058 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	541.71	34.56
11 68 13 00-1059 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	623.92	34.56
11 68 13 00-1060 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	550.85	34.56
11 68 13 00-1061 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	541.71	34.56
11 68 13 00-1062 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	532.58	34.56
11 68 13 00-1063 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	514.31	34.56
11 68 13 00-1064 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	505.18	34.56
11 68 13 00-1065 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	496.04	34.56
11 68 13 00-1066 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	486.91	34.56
11 68 13 00-1067 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	477.77	34.56
11 68 13 00-1068 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	450.37	34.56
11 68 13 00-1069 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	441.24	34.56
11 68 13 00-1070 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	2,603.46	1,244.22
11 68 13 00-1071 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	2,612.60	1,244.22
11 68 13 00-1072 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	2,630.86	1,244.22
11 68 13 00-1073 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,339.48	691.23
11 68 13 00-1074 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,284.68	691.23
11 68 13 00-1075 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,257.27	691.23
11 68 13 00-1076 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,102.00	691.23
11 68 13 00-1077 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	2,065.46	691.23
11 68 13 00-1078 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	732.67	69.13
11 68 13 00-1079 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,892.80	138.24
11 68 13 00-1080 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,637.05	138.24
11 68 13 00-1081 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,939.47	207.37
11 68 13 00-1082 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,117.96	207.37
11 68 13 00-1083 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,557.08	276.49
11 68 13 00-1084 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,192.23	276.49
11 68 13 00-1085 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	736.32	69.13
11 68 13 00-1086 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	708.92	69.13
11 68 13 00-1087 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	681.52	69.13
11 68 13 00-1088 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	672.38	69.13
11 68 13 00-1089 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	596.52	34.56
11 68 13 00-1090 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	578.25	34.56
11 68 13 00-1091 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	550.85	34.56
11 68 13 00-1092 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	541.71	34.56
11 68 13 00-1093 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	532.58	34.56
11 68 13 00-1094 EA Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,819.73	138.24
11 68 13 00-1095 EA 32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,924.14	276.49
11 68 13 00-1096 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,557.08	276.49
11 68 13 00-1097 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,736.34	276.49
11 68 13 00-1098 EA Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,932.09	276.49
11 68 13 00-1099 EA The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	27,587.92	829.48
11 68 13 00-1100 EA The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,599.99	552.99
11 68 13 00-1101 EA Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,375.70	69.13
11 68 13 00-1102 EA Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,894.35	207.37

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1103 EA Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	4,401.12	207.37
11 68 13 00-1104 EA Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	5,722.00	276.49
11 68 13 00-1105 EA Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	5,511.92	276.49
11 68 13 00-1106 EA Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	4,912.62	207.37
11 68 13 00-1107 EA Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	4,675.14	207.37
11 68 13 00-1108 EA Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	4,181.90	207.37
11 68 13 00-1109 EA Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	6,754.15	276.49
11 68 13 00-1110 EA 16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	736.32	69.13
11 68 13 00-1111 EA 24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	1,092.55	69.13
11 68 13 00-1112 EA 24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	1,211.29	69.13
11 68 13 00-1113 EA 32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,828.86	138.24
11 68 13 00-1114 EA 32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,956.74	138.24
11 68 13 00-1115 EA 32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	2,048.08	138.24
11 68 13 00-1116 EA 32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	2,148.55	138.24
11 68 13 00-1117 EA Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	3,085.82	207.37
11 68 13 00-1118 EA Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,956.74	138.24
11 68 13 00-1119 EA Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,774.06	138.24
11 68 13 00-1120 EA Stationary Cyclor, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,457.91	69.13
11 68 13 00-1121 EA Stationary Cyclor, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	1,138.22	69.13
11 68 13 00-1122 EA Stationary Cyclor, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	2,148.55	138.24
11 68 13 00-1123 EA Stationary Cyclor, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	1,138.22	69.13
11 68 13 00-1124 EA (1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,934.07	138.24
11 68 13 00-1125 EA (1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,906.67	138.24
11 68 13 00-1126 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	8,951.91	345.62
11 68 13 00-1127 EA The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	9,417.74	345.62
11 68 13 00-1128 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	4,766.48	207.37
11 68 13 00-1129 EA 64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	5,603.26	276.49
11 68 13 00-1130 EA Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	836.80	69.13
11 68 13 00-1131 EA Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	4,830.41	207.37
11 68 13 00-1132 EA Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	9,536.48	345.62
11 68 13 00-1133 EA RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	3,085.82	207.37
11 68 13 00-1134 EA Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,311.76	69.13
11 68 13 00-1135 EA Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	1,183.89	69.13
11 68 13 00-1136 EA Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	1,193.02	69.13
11 68 13 00-1137 EA Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,660.05	138.24
11 68 13 00-1138 EA Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	2,121.15	138.24
11 68 13 00-1139 EA Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	1,110.82	69.13
11 68 13 00-1140 EA Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,293.50	69.13
11 68 13 00-1141 EA Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	1,211.29	69.13
11 68 13 00-1142 Playground Equipment (Landscape Structures® Evos™) (11 68 13 00-0120)		
11 68 13 00-1143 EA Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	1,010.34	69.13
11 68 13 00-1144 EA Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	1,183.89	69.13
11 68 13 00-1145 EA Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	4,519.86	207.37
11 68 13 00-1146 EA Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	3,487.72	207.37
11 68 13 00-1147 EA Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	8,181.18	195.85
11 68 13 00-1148 EA Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	6,333.98	276.49
11 68 13 00-1149 EA RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	4,233.90	172.80
11 68 13 00-1150 EA Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	8,730.63	207.37
11 68 13 00-1151 EA Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	2,066.34	138.24
11 68 13 00-1152 EA Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,684.65	103.69
11 68 13 00-1153 EA E-Pod Step (Landscape Structures® Evos™ 156454A).....	421.56	23.04
11 68 13 00-1154 EA Cyclor With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,896.34	69.13
11 68 13 00-1155 EA 8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,374.29	57.61
11 68 13 00-1156 EA 16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	1,383.43	57.61
11 68 13 00-1157 EA 24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	1,392.56	57.61
11 68 13 00-1158 EA Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	7,862.16	311.06
11 68 13 00-1159 EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	8,100.39	207.37
11 68 13 00-1160 EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	3,546.05	138.24
11 68 13 00-1161 EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A).....	3,805.35	69.13
11 68 13 00-1162 EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A).....	33,251.00	829.48
11 68 13 00-1163 EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A).....	37,504.48	1,244.22
11 68 13 00-1164 EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	4,262.62	414.74



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1165	EA		16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,929.33	138.24
11 68 13 00-1166	EA		24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,947.60	138.24
11 68 13 00-1167	EA		Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,293.50	69.13
11 68 13 00-1168	EA		Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,193.02	69.13
11 68 13 00-1169	EA		Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,019.48	69.13
11 68 13 00-1170	EA		Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,112.01	138.24
11 68 13 00-1171	EA		Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,092.55	69.13
11 68 13 00-1172	EA		Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,764.92	138.24
11 68 13 00-1173	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	690.65	69.13
11 68 13 00-1174	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	946.40	69.13
11 68 13 00-1175	EA		Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,220.42	69.13
11 68 13 00-1176	EA		Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,851.87	138.24
11 68 13 00-1177	EA		Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,487.72	207.37
11 68 13 00-1178	EA		BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,178.70	276.49
11 68 13 00-1179	EA		Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,541.31	138.24
11 68 13 00-1180	EA		Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,769.66	138.24
11 68 13 00-1181	EA		3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	38,034.26	1,244.22
11 68 13 00-1182	EA		4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,596.52	1,244.22
11 68 13 00-1183	EA		Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,428.52	207.37
11 68 13 00-1184	EA		Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,230.32	345.62
11 68 13 00-1185	EA		Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,975.00	138.24
11 68 13 00-1186	EA		Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,477.37	138.24
11 68 13 00-1187	EA		TwirWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,477.37	138.24
11 68 13 00-1188			Playground Equipment (Landscape Structures® Weevos™) (11 68 13 00-0120)		
11 68 13 00-1189	EA		Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,010.34	69.13
11 68 13 00-1190	EA		ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,586.98	138.24
11 68 13 00-1191			Playground Equipment (Landscape Structures® Parts) (11 68 13 00-0120)		
11 68 13 00-1192	EA		52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	110.59	34.56
11 68 13 00-1193	EA		66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	116.07	34.56
11 68 13 00-1194	EA		Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	108.76	34.56
11 68 13 00-1195	EA		Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	13.35	6.91
11 68 13 00-1196	EA		Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	13.35	6.91
11 68 13 00-1197	EA		Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	13.35	6.91
11 68 13 00-1198	EA		Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	13.35	6.91
11 68 13 00-1199	EA		D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	169.04	34.56
11 68 13 00-1200	EA		(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	86.98	13.82
11 68 13 00-1201	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	54.10	13.82
11 68 13 00-1202	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	55.92	13.82
11 68 13 00-1203	EA		2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	111.01	17.28
11 68 13 00-1204	EA		3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	111.01	17.28
11 68 13 00-1205	EA		TenderTuff Repair Kit (Landscape Structures® 138717A)	11.87	
11 68 13 00-1206	EA		Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	145.72	17.28
11 68 13 00-1207	EA		(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	92.46	13.82
11 68 13 00-1208	EA		65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	114.24	34.56
11 68 13 00-1209	EA		43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	104.19	34.56
11 68 13 00-1210	EA		87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	139.82	34.56
11 68 13 00-1211	EA		29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	99.63	34.56
11 68 13 00-1212	EA		49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152048A)	108.76	34.56
11 68 13 00-1213	EA		67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	117.89	34.56
11 68 13 00-1214	EA		76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	127.03	34.56
11 68 13 00-1215	EA		90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	145.30	34.56
11 68 13 00-1216	EA		37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152053A)	102.37	34.56
11 68 13 00-1217	EA		121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	167.22	34.56
11 68 13 00-1218	EA		Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	818.53	69.13
11 68 13 00-1219	EA		Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	322.50	34.56
11 68 13 00-1220	EA		Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	313.36	34.56
11 68 13 00-1221	EA		Nylon Basketball Net (Landscape Structures® 100082A)	54.38	17.28
11 68 13 00-1222	EA		Chain Basketball Net (Landscape Structures® 100083A)	67.16	17.28
11 68 13 00-1223	EA		Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,457.91	69.13
11 68 13 00-1224	EA		Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,211.29	69.13
11 68 13 00-1225	EA		Warning Label (Landscape Structures® 115176A)	0.18	
11 68 13 00-1226	EA		PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68 13 00-1227	EA		PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68 13 00-1228	EA		Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	800.26	69.13
11 68 13 00-1229	EA		5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	169.04	34.56

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1230 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	946.40	69.13
11 68 13 00-1231 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0120)		
11 68 13 00-1232 EA 60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,580.84	126.73
11 68 13 00-1233 EA 60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	821.31	103.69
11 68 13 00-1234 EA 60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,389.03	126.73
11 68 13 00-1235 EA 60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	803.05	103.69
11 68 13 00-1236 EA 96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,265.89	126.73
11 68 13 00-1237 EA 96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,067.93	103.69
11 68 13 00-1238 EA 96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,973.61	126.73
11 68 13 00-1239 EA 96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,040.53	103.69
11 68 13 00-1240 EA Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	392.02	103.69
11 68 13 00-1241 EA 32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	242.22	103.69
11 68 13 00-1242 EA Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	293.81	92.17
11 68 13 00-1243 EA Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	994.86	103.69
11 68 13 00-1244 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	856.46	92.17
11 68 13 00-1245 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	856.46	92.17
11 68 13 00-1246 EA Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	517.11	69.13
11 68 13 00-1247 EA Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	763.72	69.13
11 68 13 00-1248 EA 60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,521.57	345.62
11 68 13 00-1249 EA 60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,430.23	345.62
11 68 13 00-1250 EA 60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,302.36	345.62
11 68 13 00-1251 EA 84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,133.55	345.62
11 68 13 00-1252 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	3,033.08	345.62
11 68 13 00-1253 EA 84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,896.07	345.62
11 68 13 00-1254 EA 60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,640.31	345.62
11 68 13 00-1255 EA 60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,521.57	345.62
11 68 13 00-1256 EA 60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,393.70	345.62
11 68 13 00-1257 EA 84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,252.29	345.62
11 68 13 00-1258 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,133.55	345.62
11 68 13 00-1259 EA 84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,987.41	345.62
11 68 13 00-1260 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	821.31	103.69
11 68 13 00-1261 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	903.52	103.69
11 68 13 00-1262 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	885.25	103.69
11 68 13 00-1263 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	967.46	103.69
11 68 13 00-1264 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,204.94	103.69
11 68 13 00-1265 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,122.74	103.69
11 68 13 00-1266 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,278.01	103.69
11 68 13 00-1267 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,195.81	103.69
11 68 13 00-1268 EA Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	169.46	23.04
11 68 13 00-1269 EA 72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	836.80	69.13
11 68 13 00-1270 EA 72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	855.06	69.13
11 68 13 00-1271 EA 72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	544.51	69.13
11 68 13 00-1272 EA 72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	571.91	69.13
11 68 13 00-1273 EA 92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	855.06	69.13
11 68 13 00-1274 EA 92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	891.60	69.13
11 68 13 00-1275 EA 92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	571.91	69.13
11 68 13 00-1276 EA 92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	608.45	69.13
11 68 13 00-1277 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,967.93	276.49
11 68 13 00-1278 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,059.27	276.49
11 68 13 00-1279 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,068.40	276.49
11 68 13 00-1280 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,205.41	276.49
11 68 13 00-1281 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	2,022.73	276.49
11 68 13 00-1282 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,132.34	276.49
11 68 13 00-1283 EA Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,867.53	57.61
11 68 13 00-1284 EA Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,693.98	57.61
11 68 13 00-1285 EA Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,547.84	57.61
11 68 13 00-1286 EA Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	827.66	69.13
11 68 13 00-1287 EA Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	708.92	69.13
11 68 13 00-1288 EA Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	955.54	69.13

11 68 16 Play Structures (11 68)



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM DESCRIPTION		
11 68 16 00-0001	Playground Shade Structures ^(11 68 16) Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.		
11 68 16 00-0002	Single Ridge ^(11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0003	EA 8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	26,161.81 1,977.84	
11 68 16 00-0004	EA 10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	26,213.62 1,981.02	
11 68 16 00-0005	EA 9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	26,256.10 1,984.20	
11 68 16 00-0006	EA 10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	27,701.71 2,093.81	
11 68 16 00-0007	EA 11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	27,744.18 2,096.99	
11 68 16 00-0008	EA 10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	27,924.14 2,110.98	
11 68 16 00-0009	EA 12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	29,880.81 2,088.94	
11 68 16 00-0010	EA 10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	30,224.98 2,112.68	
11 68 16 00-0011	EA 10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	30,904.23 2,160.59	
11 68 16 00-0012	EA 14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,832.71 2,365.40	
11 68 16 00-0013	EA 14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	34,596.51 2,417.76	
11 68 16 00-0014	EA 12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,774.85 2,360.94	
11 68 16 00-0015	EA 12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	34,314.44 2,398.89	
11 68 16 00-0016	EA 15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,774.85 2,360.94	
11 68 16 00-0017	EA 15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	34,443.51 2,407.80	
11 68 16 00-0018	EA 17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	34,314.44 2,398.89	
11 68 16 00-0019	EA 17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	36,389.47 2,543.70	
11 68 16 00-0020	EA 18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	31,353.53 2,192.18	
11 68 16 00-0021	EA 18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	32,497.53 2,271.90	
11 68 16 00-0022	EA 18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	31,558.03 2,205.96	
11 68 16 00-0023	EA 18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,091.37 2,312.61	
11 68 16 00-0024	EA 18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	31,874.03 2,228.23	
11 68 16 00-0025	EA 18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,609.13 2,349.71	
11 68 16 00-0026	EA 20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	33,185.88 2,319.39	
11 68 16 00-0027	EA 20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	34,660.72 2,422.85	
11 68 16 00-0028	EA 20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0029	EA 20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,140.90 3,085.38	
11 68 16 00-0030	EA 20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	40,659.49 2,842.63	
11 68 16 00-0031	EA 20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,783.49 3,130.96	
11 68 16 00-0032	EA 18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0033	EA 18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	40,784.31 2,851.11	
11 68 16 00-0034	EA 16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,627.59 2,770.12	
11 68 16 00-0035	EA 16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,071.81 3,081.14	
11 68 16 00-0036	EA 19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0037	EA 19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,071.81 3,081.14	
11 68 16 00-0038	EA 20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0039	EA 20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,071.81 3,081.14	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0040	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0041	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,140.90 3,085.38	
11 68 16 00-0042	EA	20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0043	EA	20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,140.90 3,085.38	
11 68 16 00-0044	EA	20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	39,414.59 2,755.49	
11 68 16 00-0045	EA	20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	44,293.28 3,096.62	
11 68 16 00-0046	EA	21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	54,257.30 3,792.86	
11 68 16 00-0047	EA	21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	57,975.01 4,052.57	
11 68 16 00-0048	EA	24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	52,917.87 3,698.94	
11 68 16 00-0049	EA	24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	55,506.43 3,880.42	
11 68 16 00-0050	EA	23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	54,257.30 3,792.86	
11 68 16 00-0051	EA	23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	55,998.75 3,914.98	
11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	52,917.87 3,698.94	
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	55,506.43 3,880.42	
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	53,330.52 3,728.20	
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	56,123.57 3,923.46	
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	54,818.70 3,831.66	
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	56,615.90 3,958.02	
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	57,113.07 3,991.72	
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	58,824.23 4,112.15	
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	57,153.35 3,995.75	
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	58,824.23 4,112.15	
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	57,521.72 4,020.98	
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	59,267.17 4,143.10	
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	66,263.90 4,631.99	
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	71,421.93 4,993.05	
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	66,263.90 4,631.99	
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	71,421.93 4,993.05	
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	66,263.90 4,631.99	
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	71,421.93 4,993.05	
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	66,263.90 4,631.99	
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	71,421.93 4,993.05	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	68,938.51 4,819.41	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,560.98 5,421.52	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	68,938.51 4,819.41	
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,560.98 5,421.52	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	68,938.51 4,819.41	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,560.98 5,421.52	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	68,846.10 4,812.84	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,223.17 5,398.41	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	69,149.37 4,833.83	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,698.51 5,431.27	



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0082	EA		30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	67,361.76 4,833.83	
11 68 16 00-0083	EA		30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	77,698.51 5,431.27	
11 68 16 00-0084 Double Ridge (11 68 16 00-0001)					
Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.					
11 68 16 00-0085	EA		20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	63,731.88 4,817.29	
11 68 16 00-0086	EA		20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	66,024.29 4,990.50	
11 68 16 00-0087	EA		20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	91,644.07 6,927.22	
11 68 16 00-0088	EA		20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	95,481.89 7,217.88	
11 68 16 00-0089	EA		26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	96,200.49 7,271.73	
11 68 16 00-0090	EA		25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	93,702.61 7,083.04	
11 68 16 00-0091	EA		25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	96,200.49 7,271.73	
11 68 16 00-0092	EA		25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	93,702.61 7,083.04	
11 68 16 00-0093	EA		25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	96,200.49 7,271.73	
11 68 16 00-0094	EA		27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	67,624.41 5,111.56	
11 68 16 00-0095	EA		27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	74,522.87 5,633.32	
11 68 16 00-0096	EA		30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	67,624.41 5,111.56	
11 68 16 00-0097	EA		30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	74,522.87 5,633.32	
11 68 16 00-0098	EA		26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	94,273.07 7,126.08	
11 68 16 00-0099	EA		26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	96,831.17 7,319.86	
11 68 16 00-0100	EA		30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	94,273.07 7,126.08	
11 68 16 00-0101	EA		30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	96,831.17 7,319.86	
11 68 16 00-0102	EA		28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	101,744.11 7,691.09	
11 68 16 00-0103	EA		28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	105,505.53 7,975.18	
11 68 16 00-0104	EA		29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	99,891.03 7,550.74	
11 68 16 00-0105	EA		29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	105,505.53 7,975.18	
11 68 16 00-0106	EA		30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	99,891.03 7,550.74	
11 68 16 00-0107	EA		30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	105,505.53 7,975.18	
11 68 16 00-0108	EA		27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	146,993.58 11,111.44	
11 68 16 00-0109	EA		28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	105,505.53 7,975.18	
11 68 16 00-0110	EA		20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	151,050.42 11,418.01	
11 68 16 00-0111	EA		30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	154,286.79 11,662.67	
11 68 16 00-0112 Interconnected Quad Lineal Ridge (11 68 16 00-0001)					
Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.					
11 68 16 00-0113	EA		30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts For Powdura® Epoxy Primer Powder Coat, Add	286,632.97 22,586.06	
11 68 16 00-0114 Quad Ridge (11 68 16 00-0001)					
Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.					
11 68 16 00-0115	EA		36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	90,509.52 6,841.78	
11 68 16 00-0116	EA		34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	99,399.95 7,513.63	
11 68 16 00-0117	EA		34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	101,782.34 7,693.84	
11 68 16 00-0118	EA		40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	107,075.11 8,094.12	
11 68 16 00-0119	EA		40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	112,815.69 8,528.10	
11 68 16 00-0120	EA		36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	117,977.35 8,918.20	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	126,633.91 9,572.68	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	112,052.97 8,935.80	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	126,633.91 9,572.68	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	117,977.35 8,918.20	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	126,633.91 9,572.68	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	127,845.70 9,663.84	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	136,588.76 10,325.10	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	174,122.70 13,162.01	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	180,954.50 13,679.10	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	180,112.03 13,614.86	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	174,491.64 13,915.06	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	184,838.70 14,021.49	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	192,411.82 14,631.66	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	185,569.77 14,021.49	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts For Powdura® Epoxy Primer Powder Coat, Add	193,561.76 14,631.66	
11 68 16 00-0136		Peak-Roof Triangle (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts For Powdura® Epoxy Primer Powder Coat, Add	49,567.77 3,747.07	
11 68 16 00-0138		Peak-Roof Hexagon (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	87,067.71 6,581.64	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts For Powdura® Epoxy Primer Powder Coat, Add	90,768.85 6,861.70	
11 68 16 00-0141	EA	50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts For Powdura® Epoxy Primer Powder Coat, Add	151,409.06 11,444.94	
11 68 16 00-0142	EA	52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts For Powdura® Epoxy Primer Powder Coat, Add	156,711.63 11,846.06	
11 68 16 00-0143	EA	55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts For Powdura® Epoxy Primer Powder Coat, Add	160,621.14 12,142.03	
11 68 16 00-0144	EA	60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts For Powdura® Epoxy Primer Powder Coat, Add	165,450.48 12,506.89	
11 68 16 00-0145		Free-Form Tri-Sail (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0146	EA	18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts For Powdura® Epoxy Primer Powder Coat, Add	35,101.85 2,653.73	
11 68 16 00-0147	EA	18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts For Powdura® Epoxy Primer Powder Coat, Add	46,743.91 3,533.78	
11 68 16 00-0148	EA	18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts For Powdura® Epoxy Primer Powder Coat, Add	72,596.79 5,487.67	
11 68 16 00-0149	EA	30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts	103,221.00	
11 68 16 00-0150		Free-Form Hypar (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151	EA	20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	51,991.29	
11 68 16 00-0152	EA	20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	65,256.86	
11 68 16 00-0153	EA	30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	71,357.42	
11 68 16 00-0154	EA	30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	86,889.89	
11 68 16 00-0155		Mariners (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156	EA	30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts	62,887.18	
11 68 16 00-0157	EA	30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts	69,189.75	
11 68 16 00-0158	EA	30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts	92,063.60	
11 68 16 00-0159	EA	30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts	98,064.19	
11 68 16 00-0160	EA	60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts	141,683.76	
11 68 16 00-0161	EA	60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts	145,717.32	



Equipment			11
Entertainment and Recreation Equipment			11 60
Play Field Equipment and Structures			11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0162			Single Post Pyramid (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163	EA		14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post.....	21,683.98	
11 68 16 00-0164	EA		14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post.....	22,273.52	
11 68 16 00-0165			Tri-Truss Cantilevers (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166	EA		20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts.....	78,005.04	
11 68 16 00-0167	EA		20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts.....	82,516.86	
11 68 16 00-0168	EA		30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts.....	116,446.01	
11 68 16 00-0169	EA		30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts.....	119,199.76	
11 68 16 00-0170			Full Cantilevers (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171	EA		20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts.....	69,697.80	
11 68 16 00-0172	EA		20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts.....	104,377.34	
11 68 16 00-0173			Hip Roof (11 68 16 00-0001) Note: Outdoor weatherproof fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174	EA		20' x 30' Single Rigid Hip Roof Shade Structure, 20 vSnowload, 10' Opening Height, 4 Posts.....	47,539.76	
11 68 16 00-0175	EA		20' x 30' Single Rigid Hip Roof Shade Structure, 20 Lb. Snowload, 12' Opening Height, 4 Posts.....	53,254.05	
11 68 16 00-0176			Hip Roof (11 68 16 00-0001) Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA		30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts.....	101,902.85	
11 68 16 00-0178	EA		30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts.....	109,724.97	
11 68 16 00-0179	EA		30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts.....	192,071.56	
11 68 16 00-0180	EA		30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts.....	203,043.85	
11 68 16 00-0181			Additional Items (11 68 16 00-0001)		
11 68 16 00-0182	EA		Concrete Cutting for Playground Shade Structure, Per Core.....	256.69	
11 68 16 00-0183	HR		Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift).....	107.00	
11 68 16 00-0184	HR		Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift).....	131.00	
11 68 16 00-0185	EA		Intumescent Paint Per Column.....	4,086.39	
11 68 23			Exterior Court Athletic Equipment (11 68)		
11 68 23 13			Exterior Basketball Equipment (11 68 23)		
11 68 23 13-0001			Basketball Systems (11 68 23 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System.....	2,454.61	249.56
			Note: Sportsplay 541-616.		
11 68 23 13-0003	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	4,462.51	274.51
			Note: Porter Athletic 176-234.		
			For Fan Shaped Fiberglass Backboard, Deduct.....	-133.00	
			For 42" x 72" Perforated Steel Backboard, Add.....	350.00	
11 68 23 13-0004	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	2,840.25	249.56
			Note: Porter Athletic 164-234.		
			For Fan Shaped Fiberglass Backboard, Deduct.....	-133.00	
			For 42" x 72" Perforated Steel Backboard, Add.....	350.00	
11 68 23 13-0005	EA		4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System.....	4,462.51	274.51
			Note: Porter Athletic 166-234.		
			For Fan Shaped Fiberglass Backboard, Deduct.....	-133.00	
			For 42" x 72" Perforated Steel Backboard, Add.....	350.00	
11 68 23 13-0006	EA		Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582).....	8,045.21	403.70
			For Fan Shaped Fiberglass Backboard, Deduct.....	-498.00	
			For 42" x 72" Perforated Steel Backboard, Add.....	700.00	
11 68 23 13-0007			Basketball Components (11 68 23 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0008	EA		Nylon Cord Basketball Net (Porter Athletic 09608120).....	36.91	10.51
11 68 23 13-0009	EA		Chain Basketball Net (Porter Athletic 00161000).....	64.96	10.51
11 68 23 13-0010	EA		Heavy-Duty Goal Ring (Porter Athletic 00235-000).....	148.92	52.52
11 68 23 13-0011	EA		Goal Ring For Steel Net (Porter Athletic 00251H00).....	268.44	23.64
11 68 23 13-0012	EA		42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	1,545.46	44.64
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0013	EA		42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	1,985.08	44.64
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	1,012.90	39.39
			Note: Includes perimeter and target markings. Excludes pole and goal.		

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	1,107.76	39.39	
Note: Includes perimeter and target markings. Excludes pole and goal.					
11 68 23 33 Tennis Equipment (11 68 23)					
11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)					
11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,274.22	178.59	
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,601.56	178.59	
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,656.12	178.59	
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,750.47	178.59	
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	2,086.40	178.59	
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	316.50		
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	357.28		
11 68 23 33-0009 Tennis Court Nets (11 68 23 33)					
11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	676.67	176.50	
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	741.77	176.50	
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,595.66	271.57	
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	88.05		
11 68 33 Athletic Field Equipment (11 68)					
11 68 33 13 Football Field Equipment (11 68 33)					
11 68 33 13-0001 Football Goal Posts (11 68 33 13)					
Note: Includes augering for post(s), set in concrete and backfill.					
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,094.32	472.65	
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	7,025.76	620.02	
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	8,391.82	744.02	
11 68 33 23 Soccer and Field Hockey Equipment (11 68 33)					
11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)					
Note: Includes augering for post(s), set in concrete and backfill.					
11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,284.06	315.17	
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,357.21	472.65	
11 68 33 33 Baseball Field Equipment (11 68 33)					
11 68 33 33-0001 Bases (11 68 33 33)					
11 68 33 33-0002	SET	Bases For Baseball Or Softball	632.38		
11 70 Healthcare Equipment (11)					
11 71 Medical Sterilizing Equipment (11 70)					
11 71 00 00-0001 Steam Sterilizers (11 71)					
11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4)	10,116.98	139.47	
Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy-Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.					
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4)	11,069.90	23.00	
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4)	9,162.99	23.00	
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000)	11,722.69	23.00	
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011)	14,205.17	23.00	
11 71 00 00-0007 Steam Generator (11 71)					
11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW	153,555.38	1,206.14	
11 72 Examination and Treatment Equipment (11 70)					
11 72 13 Examination Equipment (11 72)					
11 72 13 00-0001 Wall Mounted Medical Furnishings (11 72 13)					
11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk	509.20	43.14	
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk	532.21	43.14	
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk	601.15	43.14	
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder	226.03	43.14	
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder	273.84	43.14	
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box	674.70	43.14	
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack	196.59	43.14	
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack	264.88	46.02	



Equipment			11
Healthcare Equipment			11 70
Examination and Treatment Equipment			11 72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 13 00-0010 EA 12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack.....	248.33	46.02
11 72 13 00-0011 EA 12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station Note: Space for sanitizer, disposable masks, tissues	205.81	43.14
11 72 13 00-0012 EA 11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy-Duty Stainless Steel Narcotics Cabinet	960.90	57.52
11 72 13 00-0013 EA 11-1/2" Wide, 12" High, 6" Deep, Heavy-Duty Stainless Steel Narcotics Cabinet	960.90	57.52
11 72 13 00-0014 EA 11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy-Duty Stainless Steel Pass-Thru Narcotics Cabinet.....	960.90	57.52
11 72 13 00-0015 EA 15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity	184.38	28.76
11 72 13 00-0016 EA 15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity	228.76	31.64
11 72 13 00-0017 EA 15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity	326.44	34.52
11 72 13 00-0018 Diagnostic Wall Board (11 72 13)		
11 72 13 00-0019 EA Diagnostic Wall Board With Macroview Otoscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP)	2,014.15	57.52
11 72 13 00-0020 EA Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M)	2,264.24	57.52
11 72 13 00-0021 EA Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX)	2,797.00	57.52
11 72 13 00-0022 EA Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX).....	3,028.55	57.52
11 72 13 00-0023 Sharps Containers (11 72 13)		
11 72 13 00-0024 EA 3 Quart, Wall Mounted, Disposable Sharps Containers..... Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.	298.45	
11 72 13 00-0025 EA 2 Gallon, Wall Mounted, Disposable Sharps Containers	384.78	
11 72 13 00-0026 EA 3 Gallon, Wall Mounted, Disposable Sharps Containers	340.66	
	Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.	
11 72 13 00-0027 EA 1 Quart, Wall Mounted, Disposable Phlebotomy Container	545.97	
	Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.	
11 72 13 00-0028 EA 5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet	147.51	28.76
11 72 13 00-0029 EA 5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container.....	135.34	28.76
11 72 13 00-0030 Exam Room Supplies (11 72 13)		
11 72 13 00-0031 EA Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094)	56.59	
11 72 13 00-0032 EA Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B)	57.82	
11 72 13 00-0033 EA Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094)	46.17	
11 72 13 00-0034 Accessories (11 72 13)		
11 72 13 00-0035 Miscellaneous (11 72 13 00-0034)		
11 72 13 00-0036 EA Medical Air Compressor, Medical/Hospital Gas Systems (Allied Healthcare AHC-TE20)	5,571.78	
11 72 13 00-0037 EA Air Flow Meter, Medical/Hospital Gas Systems (Allied Healthcare AHC-TB20).....	227.73	
11 72 13 00-0038 Medical Warming Cabinets (11 72 13)		
11 72 13 00-0039 EA 9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG).....	9,721.82	69.78
11 72 13 00-0040 EA 22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS).....	11,825.49	69.78
11 72 13 00-0041 Surgical Tables (11 72 13)		
11 72 13 00-0042 EA 79" Length x 20" Width, 1,000 Lb. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD)	25,103.77	139.47
11 72 13 00-0043 EA 81.6" Length x 20" Width, 1,200 Lb. Weight Capacity, 600 Lb Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085)	63,720.05	139.47
11 72 13 00-0044 EA 87.165" Length x 27.5" Width, 400 Lb. Anatomic Position Weight Capacity, 300 Lb Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision).....	23,264.91	139.47
11 72 13 00-0045 EA 79" Length x 19.75" Width, 1,000 Lb. Articulate Capacity, 1,200 Lb Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701)	46,241.59	139.47
11 72 13 00-0046 Examination Tables (11 72 13)		
11 72 13 00-0047 EA 58" Length x 28-1/2" Width x 31" Height, 400 Lb., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870)	2,055.48	104.62
11 72 13 00-0048 EA 72" Length x 24" Width x 30" Height, 300 Lb. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073)	2,000.31	104.62
11 72 13 00-0049 EA 110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330)	4,197.76	104.62
11 72 13 00-0050 EA 72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest (Clinton 80200)	3,839.18	104.62
11 72 13 00-0051 EA 72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Imaging Table With Drop Window (Clinton 85100)	5,337.86	104.62

11 Equipment**11 70 Healthcare Equipment****11 72 Examination and Treatment Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 13 00-0052	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, 550 Lb. Weight Capacity, General Power Ultrasound Table With 3-Section Top (Clinton 80063).....		8,320.51	104.62
11 72 13 00-0053		Specimen Pass Through Cabinet (11 72 13)			
11 72 13 00-0054	EA	11-1/4" x 10-9/16" x 6", 22 Gauge Stainless Steel, Specimen Pass Through Cabinet (Bobrick B-505).....		663.16	38.31
11 72 13 00-0055	EA	13-1/2" x 13-1/2" x 7", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50516).....		852.93	38.31
11 72 13 00-0056	EA	13-1/2" x 13-1/2" x 11", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50517).....		945.71	38.31
11 72 53		Treatment Equipment (11 72)			
11 72 53 00-0001		Semi-Automatic Heart Defibrillator (11 72 53)			
11 72 53 00-0002	EA	Power Heart; AED G3 - Semi-Automatic Package with Carrying Case, Ready Kit, Spare Parts (Cardiac Science 9300E-1001P)		2,083.36	
11 72 63		Refrigerated Healthcare Storage Equipment (11 72)			
11 72 63 00-0001		Healthcare Pharmaceutical Refrigerators (11 72 63)			
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS)		1,271.21	26.16
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G).....		1,253.20	26.16
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B).....		1,203.57	26.16
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura)		1,161.33	26.16
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204)		1,107.23	26.16
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4" Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23)		1,821.66	59.74
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4" Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G)		7,108.12	59.74
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2" Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC).....		1,724.35	59.74
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3" Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG).....		1,772.68	59.74
11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TemPure Scientific LP-22HG-TP).....		5,500.13	119.59
11 72 63 00-0012		Healthcare Blood Bank Refrigerators (11 72 63)			
11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TemPure Scientific)		9,989.36	119.59
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)		14,410.73	167.40
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)		18,984.63	167.40
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TemPure Scientific)		4,426.71	26.16
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS).....		1,220.02	26.16
11 72 63 00-0018		Healthcare Medical Freezers (11 72 63)			
11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA)		15,327.79	29.92
11 72 63 00-0020	EA	26.75" Width x 32.75" Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Arctic Air AF23)		1,615.83	29.92
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65)		1,356.36	26.16
11 72 63 00-0022		Healthcare Vaccine Freezers (11 72 63)			
11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV)		839.60	26.16
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B)		1,203.57	26.16
11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50" Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV)		1,192.01	29.92
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC)		934.61	29.92
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV)		1,128.76	29.92
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8" Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR)		878.53	26.16
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34" Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV)		830.36	26.16
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8" Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH)		2,298.83	26.16
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4" Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH)		1,143.23	26.16



Equipment	11	11
Healthcare Equipment	11 70	
Patient Care Equipment	11 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 73 Patient Care Equipment^(11 70)

11 73 11 Patient Care Equipment^(11 73)

11 73 11 00-0001 Hill-Rom Equipment^(11 73 11)

11 73 11 00-0002	EA	16" Height x 60" Width, Horizontal, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG01A.	3,198.16	412.58
11 73 11 00-0003	EA	24" Height x 72" Width, Horizontal, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG02A.	7,554.55	632.62
11 73 11 00-0004	EA	16" Height x 84" Width, Vertical, On-Wall, Basis Headwall (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG03A.	2,898.47	412.58
11 73 11 00-0005	EA	24" Height x 84" Width, Vertical, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG04A.	4,963.52	632.62
11 73 11 00-0006	EA	68" Height x 64" Width, Horizontal, In-Wall / On-Wall, Basis 16" x 60" With Panel System (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG25A.	4,471.82	412.58
11 73 11 00-0007	EA	74" Height x 76" Width, Horizontal, In-Wall / On-Wall, Basis 24" x 72" With Panel System (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG26A.	8,992.10	632.62
11 73 11 00-0008	EA	82" Height x 60" Width, Vertical, In-Wall / On-Wall, Basis 16" x 60" With Panel System (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG27A.	5,078.99	412.58
11 73 11 00-0009	EA	90" Height x 72" Width, Vertical, In-Wall / On-Wall, Basis 24" x 72" With Panel System (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG28A.	7,620.10	632.62
11 73 11 00-0010	EA	16" Height x 66" Width, Vertical, In-Wall / On-Wall, Contour Headwall (Hill-Rom P667) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG05A.	2,550.91	412.58
11 73 11 00-0011	EA	16" Height x 66" Width, Vertical, In-Wall / On-Wall, Contour Headwall (Hill-Rom P667) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG06A.	4,186.95	632.62
11 73 11 00-0012	EA	Bed Locator (Hill-Rom P0052B1) Note: General Care (MedSurg, Patient Room, LDR, etc). 2 Red Duplex Receptacle and 2 Ivory Duplex Receptacle outlets. Drawing Number DWG07A.	1,776.34	357.57
11 73 11 00-0013	EA	96" Height x 80" Width, On-Wall, Elements On-Wall, Wall System (Hill-Rom P2008A2) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG08A.	9,374.70	412.58
11 73 11 00-0014	EA	96" Height x 80" Width, On-Wall, Elements On-Wall, Wall System (Hill-Rom P2008A2) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG09A.	11,330.47	632.62
11 73 11 00-0015	EA	105" Height x 96" Width, In-Wall, Elements In-Wall, Wall System (Hill-Rom P2008A1) Note: Critical Care (ICU, CCU, Trauma, etc). 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 5 Red Duplex Receptacle, 4 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Low Voltage (1G) outlets. 1 Night Light. Drawing Number DWG21A.	12,687.46	632.62
11 73 11 00-0016	EA	105" Height x 120" Width, In-Wall, Elements In-Wall With Cabinetry, Wall System (Hill-Rom P2008A1) Note: Critical Care (ICU, CCU, Trauma, etc). 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 6 Red Duplex Receptacle, 5 Ivory Duplex Receptacle, 2 Nurse Call (3G), 1 Monitor Out (1G), and 1 Monitor Channel outlets. 1 Night Light. Drawing Number DWG22A.	17,926.15	742.65
11 73 11 00-0017	EA	105" Height x 96" Width, Double-Sided, Elements Double-Sided, Wall System (Hill-Rom P2008A3) Note: Critical Care (ICU, CCU, Trauma, etc). 4 Oxygen (O), 4 Air (Med Air), 4 Vacuum, 10 Red Duplex Receptacle, 8 Ivory Duplex Receptacle, 2 Nurse Call (3G), and 2 Low Voltage (1G) outlets. 4 Night Lights. Drawing Number DWG23A.	23,418.18	1,182.72
11 73 11 00-0018	EA	105" Height x 120" Width, Double-Sided, Elements Double-Sided, Wall System (Hill-Rom P2008A3) Note: Critical Care (ICU, CCU, Trauma, etc). 4 Oxygen (O), 4 Air (Med Air), 4 Vacuum, 12 Red Duplex Receptacle, 10 Ivory Duplex Receptacle, 2 Nurse Call (3G), 2 Monitor Out (1G), and 2 Monitor Channel outlets. 4 Night Lights. Drawing Number DWG24A.	32,807.83	1,347.76
11 73 11 00-0019	EA	Fixed And Telescoping, Latitude Double Arm, Ceiling Boom (Hill-Rom P672) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 5 Low Voltage (1G) outlets. Drawing Number DWG11A.	42,407.63	687.63
11 73 11 00-0020	EA	Telescoping, Latitude Single Arm, Ceiling Boom (Hill-Rom P672) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 5 Low Voltage (1G) outlets. Drawing Number DWG10A.	25,539.14	687.63
11 73 11 00-0021	EA	Horizontal Security Patient Console (Hill-Rom P005561) Note: Locking. 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 1 Red Duplex Receptacle, 1 Ivory Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG12A.	7,044.60	302.56

11 Equipment**11 70 Healthcare Equipment****11 73 Patient Care Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 73 11 00-0022 EA Fixed Column, Epicare (Hill-Rom P680CFX).....	9,789.63	577.62
Note: 2 Oxygen (O), 2 Air (Med Air), 3 Vacuum, 1 Nitrous Oxide, 1 Carbon Dioxide, 6 Red Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG13A.		
11 73 11 00-0023 EA Telescoping Column, Epicare (Hill-Rom P680CTL).....	12,950.77	577.62
Note: 2 Oxygen (O), 2 Air (Med Air), 3 Vacuum, 1 Nitrous Oxide, 1 Carbon Dioxide, 6 Red Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG14A.		
11 73 11 00-0024 EA Vertical Gallery Wall, Concealment (Hill-Rom P6918B).....	6,943.03	275.06
Note: 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, and 2 Red Duplex Receptacle outlets. Drawing Number DWG15A.		
11 73 11 00-0025 EA Vertical Gallery Wall, Concealment (Hill-Rom P6918B).....	8,900.08	275.06
Note: 2 Oxygen (O), 1 Air (Med Air), and 2 Vacuum outlets. Drawing Number DWG16A.		
11 73 11 00-0026 EA Horizon System (Hill-Rom P100000).....	14,195.51	770.15
Note: 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 11 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Code Blue (1G) outlets. 1 Night Light. 1 Wall Mount Bed Bumper. Drawing Number DWG17A.		
11 73 11 00-0027 EA 22" Height x 96" Width, Horizontal, Integris 2002C Gas Rail (Hill-Rom P2002 And P0052B4).....	11,866.15	550.10
Note: 2 Oxygen (O), 1 Air (Med Air), 2 Vacuum, 3 Red Duplex Receptacle, 4 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Code Blue (1G) outlets. 1 Wall Mount Bed Bumper. Drawing Number DWG18A.		
11 73 11 00-0028 EA Patient Care Module (Hill-Rom P590052).....	11,345.71	412.58
Note: Self contained, in-room bathroom. Includes a concealed flushing unit, paper holder and utensil-washing arm. Drawing Number DWG19A.		
11 73 11 00-0029 EA Power Column (Hill-Rom P590).....	11,901.56	962.69
Note: 3 Oxygen (O), 2 Air (Med Air), 4 Vacuum, 13 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), 1 Code Blue (1G), 1 Low Voltage (1G), 1 Monitor Channel, and 1 Blank Plate outlets. 1 Night Light. Drawing Number DWG20A.		
11 73 11 00-0030 EA Bed Locator, NEURO ICU Care Area (Hill-Rom P20160601).....	1,856.28	154.94
Note: Includes two 20A red duplex receptacles, three 1 gang with faceplate provision, two 20A bed only red simplex receptacle and two Hubbellock 2300HG simplex receptacles.		
11 73 11 00-0031 EA Integris Gas Rail, NEURO ICU Care Area (Hill-Rom P2002C001).....	11,428.55	413.18
Note: Includes six 20A red duplex receptacles, one junction box, seven 1 gang with faceplate provision, one 3 gang with back box nursecall, one left hand gas manifold, one 20A red 3-way Decora switch, two low voltages switches, one clip style resuscitator bag holder, one 18" x 9-1/2" x 4" basket, 1 cuff basket, four standard bottle slides, two air, three O2 and four vacuum.		
11 73 11 00-0032 EA Latitude Bed Services Chassis, NEURO STEP DOWN Care Area (Hill-Rom P662CO250).....	6,121.34	258.23
Note: Includes two 20A white duplex receptacles, four 20A red duplex receptacles, two 1 gang with faceplate provision, one 3 gang with back box nursecall, and one main support structure module.		
11 73 11 00-0033 EA Latitude Upper Telescoping Arm, NEURO STEP DOWN Care Area (Hill-Rom P662CO300).....	25,494.15	654.19
Note: Includes five 20A red duplex receptacles, one 2 gang with faceplate provision, one 1 gang with faceplate provision, one drop tube, one 9000 series service head, three standard bottle slides, two accessory rails, one air, three O2 and three vacuum.		
11 73 11 00-0034 EA Integris Light, PATIENT ROOM Care Area (Hill-Rom P6961L101).....	1,364.88	41.32
11 73 11 00-0035 EA Bed Locator, PATIENT ROOM Care Area (Hill-Rom P0052B101).....	1,033.22	103.29
Note: Includes two 20A ivory duplex receptacles and one 1 gang with faceplate provision.		
11 73 11 00-0036 EA Flatwall, PATIENT ROOM Care Area (Hill-Rom P670E0001).....	5,265.24	192.81
Note: Includes one 2 function low voltage relays, two 20A red duplex receptacles, one 1 gang with faceplate provision, one nursecall, one 20A SP-ST Decora switch, one low voltage switch, one raceway from locator module, one 7670-01 wall mount Sphygmo Tycos, one 4" raceway to light, two universal holder for vertical rail, one slide mount utility, one aneroid Sphygmo mount, one gas, one vacuum, two sidepanels, one electric panel, one gas panel, one access panel and one junction box panel.		
11 73 11 00-0037 EA 48", 3 Lamp, Closed Over Bed Light (Hill-Rom P00519G11355B120SLIBHD).....	1,972.48	55.09
11 73 11 00-0038 EA 48", 2 Lamp, Closed Task Light (Hill-Rom P00519448G25412IBHD).....	859.65	48.20
11 73 11 00-0039 EA Low Voltage Controller (Hill-Rom P005189120).....	263.40	17.22

11 73 23 Patient Lift^(11 73)**11 73 23 00-0001 Ceiling Patient Lift^(11 73 23)**

11 73 23 00-0002 EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	14,620.61	
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		

11 73 23 00-0003 Ceiling Patient Lift System^(11 73 23)

Note: Guldmann

11 73 23 00-0004 EA GH2 HD AC UL Ceiling Mounted Hoist, 550 Lb. Weight Capacity, With Hand Control.....	13,535.09	991.47
11 73 23 00-0005 EA 550 Lb. Weight Capacity, Hanging Bar GH2 Standard Snap Hook.....	775.35	
11 73 23 00-0006 EA 550 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System.....	894.30	137.71
11 73 23 00-0007 EA GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 Lb. Weight Capacity, With Hand Control.....	19,151.48	1,377.03
11 73 23 00-0008 EA 1,000 Lb. Weight Capacity, Hanging Bar.....	6,961.62	
11 73 23 00-0009 EA 1,000 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System.....	2,039.07	302.94
11 73 23 00-0010 LF Aluminum Midi Rail.....	384.03	33.05
11 73 23 00-0011 EA Wire For Charging Liner.....	144.60	
11 73 23 00-0012 LF Charging Liner For Midi Rail.....	159.47	
11 73 23 00-0013 EA End Stops.....	70.60	
11 73 23 00-0014 EA Standard Ceiling Brackets.....	218.27	33.05
11 73 23 00-0015 EA Charging Kit For Room-Covering System With Midi Rails.....	422.37	
11 73 23 00-0016 EA Lock For Charging Liner.....	88.50	
11 73 23 00-0017 EA Cover Plate For Midi Rail.....	8.66	
11 73 23 00-0018 EA Rosette White.....	4.92	
11 73 23 00-0019 EA Aluminum Pipe 2M Profile.....	214.15	
11 73 23 00-0020 EA Repositioning Sling Gold, 3 Slings Per System.....	362.35	
11 73 23 00-0021 EA Uni D M/L High Black - 550 Lb. Capacity Sling, 2 Slings Per System.....	199.00	
11 73 23 00-0022 EA Uni D L/XL High Black - 550 Lb. Capacity Sling, 2 Slings Per System.....	199.00	
11 73 23 00-0023 EA Disposable Limb Lifter, 2 Slings Per System.....	94.58	



Equipment			11
Healthcare Equipment			11 70
Patient Care Equipment			11 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 73 23 00-0024 EA Disposable Turner Sling, 1 Sling Per System 233.65

11 77 Radiology Equipment ^(11 70)

11 77 00 00-0001 Radiology Furnishings ^(11 77)

11 77 00 00-0002	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For Two X-Ray Tubes	356,166.14	5,899.16
11 77 00 00-0003	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For 2 X-Ray Tubes, 1 Per Table Over Table .02-.05 In Focal Spot X-Ray Tube And One Pair Of High Tension Cables.....	411,507.80	5,899.16
11 77 00 00-0004	EA	Radiograph And Fluoroscopic Table, Motor Operator With 15-90 Degree Tilting Trendelenburg To 90 Degree Vertical, Motor Operated	465,981.96	11,945.48
11 77 00 00-0005	EA	Radiographic Table, Motor Driven With 12-90 Degree Tilting Trendelenburg To 90 Degree Vertical.....	116,448.74	5,972.73
11 77 00 00-0006	EA	Fluoroscope Image/TV System Dual Mode 5"9" High Performance NCE Image Intensifier System With Iodide Input Screens And Collimator Lens	186,618.57	14,931.84
11 77 00 00-0007	EA	Developing Processor, 385 Sheets Of Film Per Hour.....	67,325.04	1,447.37
11 77 00 00-0008	EA	Note: Includes replenisher pumps, developer, fixer and water filter unit, 30" x 48-1/2" x 37-1/2". Cassette Transfer Cabinet, 4 Door 22" x 22" x 22" With Lead Lining Components 18" x 8" x 18" Each Lined With Grooved Rubber Pads.....	6,678.43	106.61
11 77 00 00-0009	LF	Note: Including manual interlock, 1/16" lead lining, etc. Base Storage Cabinet, Sectional Carbon Steel Or Plastic Laminate Part Steel Or Plastic Laminate Particle Board With Doors And Counter Top With Back Splash- 24" Deep And 35" High.....	2,621.31	69.05
11 77 00 00-0010	LF	Wall Storage Cabinet With Door Carbon Steel Or Plastic Laminate Particle Board With Doors.....	3,192.81	80.57
11 77 00 00-0011	LF	Bucky Wall Stand, Vertical Floor/Wall Mounted With Cassette Tray Adjustable Controls, Counter-Balanced LF Bucky Diaphragm Cassette Tray - 30" Deep And 16" High	30,279.05	54.09
11 77 00 00-0012	SF	Ceiling Tubemount, 59" Deep.....	77,592.22	4.60

11 77 00 00-0013 Wall Mounted Area Monitor ^(11 77)

11 77 00 00-0014 EA Digital Wall Mount Area Monitor (Ludlum M 375-30 With 2E44-99 FBGLS) 17,366.39

11 78 Mortuary Equipment ^(11 70)

11 78 13 Mortuary Refrigerators ^(11 78)

11 78 13 00-0001 Healthcare Mortuary Coolers ^(11 78 13)

11 78 13 00-0002	EA	6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR)	10,108.39	1,116.03
11 78 13 00-0003	EA	7'3" Depth x 3' Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX).....	14,287.77	1,116.03
11 78 13 00-0004	EA	7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #4BX)	15,598.28	1,673.99
11 78 13 00-0005	EA	10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	17,965.10	1,673.99
11 78 13 00-0006	EA	10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010).....	20,715.04	1,673.99
11 78 13 00-0007	EA	10' Length x 15' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015).....	26,970.50	3,347.98
11 78 13 00-0008	EA	20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020).....	38,199.78	3,347.98
11 78 13 00-0009	EA	8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3).....	16,465.66	1,673.99

11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾

11 81 Maintenance Equipment ^(11 80)

11 81 29 Facility Fall Protection ^(11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors ^(11 81 29)

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0066 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors ^(11 81 29 00-0001)

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	817.88	86.32
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	696.06	86.32
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	518.99	85.66
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	

11 Equipment**11 80 Facility Maintenance and Operation Equipment****11 81 Maintenance Equipment**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0006			Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001) Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	575.94	86.32
			<i>For Stainless Steel Pad Eye, Add</i>	40.00	
11 81 29 00-0008	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	515.92	86.32
			<i>For Stainless Steel Pad Eye, Add</i>	40.00	
11 81 29 00-0009	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) <i>For Stainless Steel Pad Eye, Add</i>	454.61 40.00	85.66
11 81 29 00-0010			Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)		
11 81 29 00-0011	EA		Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	468.24	
11 81 29 00-0012			Roof Mounted, Stainless Steel Safety And Tie-Back Anchors (11 81 29 00-0001) Note: Includes up to 12" high stainless steel hollow structural section tube, base plate and anchors.		
11 81 29 00-0013	EA		Up To 10" High, 3-1/2" OD, 0.30" Thick, Stainless Steel Hollow Structural Section Tube, Pad Eye, Base Plate, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor SM-1-12-6-58-SST) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	2,482.01	
11 81 29 00-0014			Ladder Safety And Fall Protection (11 81 29)		
11 81 29 00-0015	EA		Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	307.15	18.90
11 81 29 00-0016	EA		Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.42	2.75
11 81 29 00-0017	EA		Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	58.03	6.87
11 81 29 00-0018	EA		Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	77.37	4.58
11 81 29 00-0019	EA		Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	96.72	5.73
11 81 29 00-0020	EA		Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	63.37	4.29
11 81 29 00-0021	EA		Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	595.08	11.45
11 81 29 00-0022	EA		Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	140.81	11.34
11 81 29 00-0023			Fall-Arrest Systems (11 81 29)		
11 81 29 00-0024			Horizontal (11 81 29 00-0023)		
11 81 29 00-0025	LF		Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	717.25	46.36
11 81 29 00-0026			Anchor Points (11 81 29 00-0023)		
11 81 29 00-0027	EA		Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	677.32	
11 81 29 00-0028	EA		Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	793.98	
11 81 29 00-0029	EA		Bolt On Roof Anchor Note: Guardian CD-1-B series	301.93	
11 81 29 00-0030	EA		Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	144.78	
11 81 29 00-0031	EA		Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	168.24	
11 82 Facility Solid Waste Handling Equipment (11 80)					
11 82 19 Packaged Incinerators (11 82)					
11 82 19 00-0001 Electric Incinerator (11 82 19)					
11 82 19 00-0002	EA		Electric Package Incinerator, 100 Lb./Hour.	37,904.96	1,264.95
11 82 19 00-0003	EA		Electric Package Incinerator, 400 Lb./Hour.	77,535.32	2,529.91
11 82 19 00-0004	EA		Electric Package Incinerator, 1,000 Lb./Hour.	260,262.29	3,794.86
11 82 26 Facility Waste Compactors (11 82)					
11 82 26 00-0001 Waste Compactors (11 82 26)					
11 82 26 00-0002 110 Volt Compactors (11 82 26 00-0001)					
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 75 Lb./Hour.	20,423.22	556.91
11 82 26 00-0004	EA		Waste Compactor, 110 Volt At 250 Lb./Hour.	25,671.91	1,336.58
11 82 26 00-0005 230 Volt Compactors (11 82 26 00-0001)					
11 82 26 00-0006	EA		Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	25,626.00	1,782.11



Equipment			11
Facility Maintenance and Operation Equipment			11 80
Facility Solid Waste Handling Equipment			11 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	28,898.94	2,339.01

11 90 Other Equipment ⁽¹¹⁾

11 95 Arts and Crafts Equipment ^(11 90)

11 95 13 Kilns ^(11 95)

11 95 13 00-0001 Kilns ^(11 95 13)

11 95 13 00-0002	EA	6.6 kW, 32 Amperes, 208 Voltage, Single Phase, Electronic Kiln (Cress ES23208)	2,748.83	

11 97 Security Equipment ^(11 90)

11 97 26 Detention Gun Lockers ^(11 97)

11 97 26 00-0001 Hinged Door Gun Lock ^(11 97 26)

Note: Two keys per locker with one master.

11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,650.84	61.09

11 97 26 00-0003 Hinged-Door Gun Locker ^(11 97 26)

Note: Includes master key for each set of 4 compartments, two keys per compartment.

11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,422.92	42.77
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,243.79	61.09
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,943.89	73.31
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	8,619.55	73.31

11 98 Detention Equipment ^(11 90)

11 98 12 Detention Doors and Frames ^(11 98)

11 98 12 00-0001 Metal Frames ^(11 98 12)

Note: Combination buck, jamb, and trim, fully seam welded.

11 98 12 00-0002 Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" ^(11 98 12 00-0001)

11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	944.34	179.77
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	944.34	179.77
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	944.34	179.77
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	944.34	179.77
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	955.80	179.77
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	955.80	179.77
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,286.24	287.73
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.12	179.77
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,133.01	239.74
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,133.01	239.74
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,355.03	287.73
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.73	179.77
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	990.19	179.77
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	990.19	179.77
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,320.64	287.73

11 98 12 00-0024 Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" ^(11 98 12 00-0001)

11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.64	179.77
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.64	179.77
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,320.62	287.73
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	978.71	179.77
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,132.99	239.74
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,132.99	239.74
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,665.13	319.49
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77

11 Equipment**11 90 Other Equipment****11 98 Detention Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0040 EA 2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77
11 98 12 00-0041 EA 2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77
11 98 12 00-0042 EA 2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.10	179.77
11 98 12 00-0043 EA 3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,024.56	179.77
11 98 12 00-0044 EA 3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,024.56	179.77
11 98 12 00-0045 EA 6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,355.00	287.73
11 98 12 00-0046 Metal Detention Doors (11 98 12)		
Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047 10 Gauge 1-3/4" Metal Detention Door (11 98 12 00-0046)		
11 98 12 00-0048 EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	593.58	63.88
11 98 12 00-0049 EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	600.24	63.88
11 98 12 00-0050 EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	606.89	63.88
11 98 12 00-0051 EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	613.55	63.88
11 98 12 00-0052 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	620.20	63.88
11 98 12 00-0053 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	653.47	63.88
11 98 12 00-0054 EA 2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	634.97	63.88
11 98 12 00-0055 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	641.88	63.88
11 98 12 00-0056 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	646.23	63.88
11 98 12 00-0057 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	706.82	63.88
11 98 12 00-0058 EA 3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	853.05	63.88
11 98 12 00-0059 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	928.27	63.88
11 98 12 00-0060 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	616.87	63.88
11 98 12 00-0061 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	623.52	63.88
11 98 12 00-0062 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	630.18	63.88
11 98 12 00-0063 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	636.83	63.88
11 98 12 00-0064 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	643.48	63.88
11 98 12 00-0065 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	676.75	63.88
11 98 12 00-0066 Pneumatic Door Operators (11 98 12)		
11 98 12 00-0067 EA Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,659.59	
11 98 12 00-0068 EA Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,123.21	
11 98 12 00-0069 EA Pneumatic MS Detention Cell Door Operator With Hardware Set	6,525.82	
11 98 12 00-0070 EA Pneumatic Sally Port Detention Door Operator With Hardware Set	7,657.29	
11 98 12 00-0071 EA Pneumatic Corridor Detention Door Operator With Hardware Set	9,512.99	
11 98 12 00-0072 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,722.21	
11 98 12 00-0073 Security Doors And Frame Assembly (11 98 12)		
11 98 12 00-0074 EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	9,472.41	473.12
Note: Complete, with hardware, single plate.		
<i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i> 105.00		
11 98 12 00-0075 EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	11,472.49	470.07
Note: Complete, with hardware, double plate.		
<i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i> 105.00		
11 98 14 Detention Door Hardware (11 98)		
11 98 14 00-0001 Prison Deadlocks and Deadlatches (11 98 14)		
11 98 14 00-0002 EA 115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,322.29	114.53
11 98 14 00-0003 EA 115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,467.54	114.53
11 98 14 00-0004 EA 24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,617.20	114.53
11 98 14 00-0005 EA 24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,615.04	114.53
11 98 14 00-0006 EA 24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	2,397.77	85.90
11 98 14 00-0007 EA 24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	2,842.96	85.90
11 98 21 Detention Windows (11 98)		
11 98 21 00-0001 Visitor Cubicle (11 98 21)		
Note: Excludes glazing.		
11 98 21 00-0002 EA Detention Visitor Cubicle, Vision Panel, No Intercom	11,178.30	940.26

END OF SECTION 11



		Furnishings	12	12
		Operation and Maintenance of Furnishings	12 01	
		Operation and Maintenance of Multiple Seating	12 01 60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating ^(12 01 60)	
12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....204.60
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part.....93.93
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part.....132.30
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part.....154.98
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part.....249.74
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part 199.68
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part 71.89
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part 76.97
12 01 60 00-0010	EA	Secure Seat To Floor.....73.79
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor 75.41
		Note: Includes drilling and fasteners.
		For Epoxy Anchoring, Add 26.28
		For Expansion Anchor Mounting With Anchor Caps, Add 25.70
		For Epoxy Anchor Mounting With Anchor Caps, Add 29.30
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back.....223.92
		Note: Includes removal of existing upholstery.
12 01 60 00-0013	Repairs Associated With Fixed Auditorium Seating ^(12 01 60)	
12 01 60 00-0014	EA	Patch Existing Holes In Floor (Per Auditorium Seat) 1.33
12 01 60 00-0015	SF	Paint Floors, 1 Coat Paint, Brush/Roller Work.....0.76

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001	Aluminum Horizontal Louver Blinds ^(12 21 13 13)	
12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....12.69 1.04
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....10.40 1.04
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....11.28 1.04
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....13.04 1.04

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001	Vinyl Horizontal Louver Blinds ^(12 21 13 33)	
12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds.....10.75 1.04
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds.....12.43 1.04

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001	Aluminum Vertical Louver Blinds ^(12 21 16 13)	
12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....14.81 2.20

12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001	Vinyl Vertical Louver Blinds ^(12 21 16 33)	
12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds.....9.59 2.20
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds.....13.39 2.20

12 22 Curtains and Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002	Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)	
12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies 398.09 14.39
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies.....414.68 14.39
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies.....441.66 14.39

12	Furnishings
12 20	Window Treatments
12 22	Curtains and Drapes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0006 EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	452.03	14.39
12 22 13 00-0007 EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	476.93	14.39
12 22 13 00-0008 EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	510.13	14.39
12 22 13 00-0009 EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	530.87	14.39
12 22 13 00-0010 EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	559.92	14.39
12 22 13 00-0011 EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	605.57	14.39
12 22 13 00-0012 >48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013 EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	578.58	19.57
12 22 13 00-0014 EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	615.93	19.57
12 22 13 00-0015 EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	644.97	19.57
12 22 13 00-0016 EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	669.87	19.57
12 22 13 00-0017 EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	727.96	19.57
12 22 13 00-0018 EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	757.01	19.57
12 22 13 00-0019 EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	781.91	19.57
12 22 13 00-0020 EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	835.86	19.57
12 22 13 00-0021 EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	893.95	19.57
12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023 EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	767.37	24.75
12 22 13 00-0024 EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	821.32	24.75
12 22 13 00-0025 EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	846.22	24.75
12 22 13 00-0026 EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	904.31	24.75
12 22 13 00-0027 EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	958.25	24.75
12 22 13 00-0028 EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	1,012.20	24.75
12 22 13 00-0029 EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	1,041.25	24.75
12 22 13 00-0030 EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	1,099.34	24.75
12 22 13 00-0031 EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	1,178.18	24.75
12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033 EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	968.61	29.92
12 22 13 00-0034 EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	1,022.56	29.92
12 22 13 00-0035 EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	1,051.61	29.92
12 22 13 00-0036 EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	1,134.60	29.92
12 22 13 00-0037 EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	1,188.54	29.92
12 22 13 00-0038 EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,246.64	29.92
12 22 13 00-0039 EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	1,618.66	29.92
12 22 13 00-0040 EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,387.72	29.92
12 22 13 00-0041 EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,429.22	29.92
12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043 EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	1,144.96	35.10
12 22 13 00-0044 EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	1,223.80	35.10
12 22 13 00-0045 EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,252.85	35.10
12 22 13 00-0046 EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,335.84	35.10
12 22 13 00-0047 EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,418.83	35.10
12 22 13 00-0048 EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,501.83	35.10
12 22 13 00-0049 EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,584.81	35.10
12 22 13 00-0050 EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,667.81	35.10
12 22 13 00-0051 EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,771.55	35.10
12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053 EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,346.20	40.28
12 22 13 00-0054 EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,429.19	40.28
12 22 13 00-0055 EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,491.44	40.28
12 22 13 00-0056 EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,574.43	40.28
12 22 13 00-0057 EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,657.42	40.28
12 22 13 00-0058 EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,761.16	40.28
12 22 13 00-0059 EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,844.15	40.28
12 22 13 00-0060 EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	1,927.15	40.28
12 22 13 00-0061 EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	2,072.38	40.28
12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063 EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,522.55	45.46
12 22 13 00-0064 EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,626.29	45.46
12 22 13 00-0065 EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,688.53	45.46
12 22 13 00-0066 EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,792.27	45.46
12 22 13 00-0067 EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,875.26	45.46
12 22 13 00-0068 EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	1,979.00	45.46
12 22 13 00-0069 EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	2,144.99	45.46
12 22 13 00-0070 EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	2,207.23	45.46
12 22 13 00-0071 EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	2,352.47	45.46



			Furnishings	12	12
			Window Treatments	12 20	
			Curtains and Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073 EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,719.63	50.64
12 22 13 00-0074 EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,802.62	50.64
12 22 13 00-0075 EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,885.61	50.64
12 22 13 00-0076 EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	2,010.10	50.64
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	2,134.59	50.64
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	2,259.07	50.64
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	2,362.82	50.64
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	2,466.56	50.64
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	2,653.29	50.64
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,895.97	55.82
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	2,041.21	55.82
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	2,103.45	55.82
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	2,227.94	55.82
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	2,373.18	55.82
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	2,497.66	55.82
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,622.15	55.82
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,746.64	55.82
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	2,954.12	55.82
12 22 16 Drapery Track and Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	157.93	49.56
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	188.95	49.56
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	226.45	55.07
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	323.32	55.07
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	333.27	60.58
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	187.66	49.56
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	207.69	49.56
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	273.62	55.07
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	314.54	60.58
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	238.71	49.56
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	299.45	49.56
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	379.92	55.07
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	409.52	60.58
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White	13.44	2.07
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	33.04	
Note: Includes storage and cleaning.		
12 22 16 00-0022 Auditorium Window Curtain Hardware (12 22 16)		
12 22 16 00-0023 Auditorium Window Track And Accessories (Kirsch 9070 Series) (12 22 16 00-0022)		
12 22 16 00-0024 EA Up To 3', 9070 Series (Window) CWANA (Comes With All Necessary Accessories)	128.61	6.87
12 22 16 00-0025 LF Each Additional Foot, 9070 Series (Window) CWANA (Comes With All Necessary Accessories)	41.26	6.87
12 22 16 00-0026 LF Channel (Kirsch 9050)	13.54	3.43
12 22 16 00-0027 EA Splice Clamp (Kirsch 9051)	27.98	8.59
12 22 16 00-0028 EA Live End And Dead End Pulley Set (Kirsch 9052)	37.89	6.87
12 22 16 00-0029 EA Master Carrier (Pairs Only) (Kirsch 9055).....	30.83	4.35
12 22 16 00-0030 EA Single Carrier (Kirsch 9056)	6.67	1.72
12 22 16 00-0031 EA Center Stop (Kirsch 9058)	9.21	3.43
12 22 16 00-0032 EA Tension Pulley (Kirsch 9059).....	31.54	6.87
12 22 16 00-0033 EA Hanging Clamp (Kirsch 9063).....	21.00	8.59
12 22 16 00-0034 EA Wall Bracket (Pair Only) (Kirsch 9064)	22.96	6.87
12 22 16 00-0035 LF 3/16" Diameter #6 Sash Cord (Kirsch).....	1.31	0.34
12 22 16 00-0036 EA Window Sill Check Block	18.31	1.72
12 22 16 00-0037 Medium Duty Window Curtain Track And Accessories (ADC 170 Series) (12 22 16 00-0022)		

12 Furnishings**12 20 Window Treatments****12 22 Curtains and Drapes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 16 00-0038 LF Steel 170 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	68.19	6.87
12 22 16 00-0039 LF Aluminum 170 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	71.83	6.87
12 22 16 00-0040 LF 14 Gauge Galvanized Steel Track Channel (ADC 1700)	32.36	3.43
12 22 16 00-0041 LF 12 Gauge Aluminum Track Channel (ADC 1700-A)	37.17	3.43
12 22 16 00-0042 EA Single Carrier (ADC 1701)	13.82	1.72
12 22 16 00-0043 EA Master Carrier (ADC 1702)	49.69	4.35
12 22 16 00-0044 EA Live End Pulley (ADC 1703)	118.68	6.87
12 22 16 00-0045 EA Dead End Pulley (ADC 1704)	71.84	6.87
12 22 16 00-0046 EA Lap Clamp (ADC 1707)	22.32	3.43
12 22 16 00-0047 EA Hanging Clamp (ADC 1708)	26.19	8.59
12 22 16 00-0048 EA End Stop (ADC 1709)	19.22	3.43
12 22 16 00-0049 EA Pipe Clamp For 1" Inside Diameter, Schedule 40 Pipe Batten (ADC 1713)	32.25	8.59
12 22 16 00-0050 EA Pipe Clamp For 1-1/4" Inside Diameter, Schedule 40 Pipe Batten (ADC 1714)	34.68	8.59
12 22 16 00-0051 EA Pipe Clamp For 1-1/2" Inside Diameter, Schedule 40 Pipe Batten (ADC 1715)	36.80	8.59
12 22 16 00-0052 EA Suspended Splicing Clamp (ADC 1724)	155.28	12.94
12 22 16 00-0053 LF 1/4" Diameter #8 Cord (ADC 1728)	2.15	0.34
12 22 16 00-0054 EA Overlapping Master Carrier (ADC 2602)	142.09	4.35
12 22 16 00-0055 EA Ceiling Splicing Clamp (ADC 2624)	178.10	8.59
12 22 16 00-0056 Wood Jamb Strip And Grounds (12 22 16 00-0022) Note: Includes hardware and painting.		
12 22 16 00-0057 LF 1" x 2" Window Curtain Side Wood Jamb Strips	7.12	0.92
12 22 16 00-0058 LF 1" x 6" Window Valance Or Track Wood Ground	12.24	0.92
12 22 16 00-0059 LF 1" x Required Width Kerfed, Vaulted Window Valance Wood Ground	15.37	0.92
12 22 16 00-0060 Auditorium Window Curtain And Hardware Surcharges (12 22 16) 12 22 16 00-0061 EA Pattern Surcharge (Full Size Paper Template), For Curved Window Valance Or Custom Cut-outs (Decorative Plaster) Note: Three quarter (.75) crew day (with two (2) person crew).	1,374.44	
12 22 16 00-0062 EA Over 13' Wide Window Surcharge Note: One quarter (.25) crew day (with two (2) person crew).	458.15	
12 23 Interior Shutters (12 20)		
12 23 13 Wood Interior Shutters (12 23)		
12 23 13 00-0001 Interior Plantation Shutters (12 23 13) Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002 12" Wide (12 23 13 00-0001)		
12 23 13 00-0003 PR 12" x 36" Plantation Shutter	349.88	34.77
12 23 13 00-0004 PR 12" x 40" Plantation Shutter	390.14	36.51
12 23 13 00-0005 PR 12" x 44" Plantation Shutter	426.61	38.25
12 23 13 00-0006 PR 12" x 48" Plantation Shutter	463.07	39.99
12 23 13 00-0007 PR 12" x 52" Plantation Shutter	499.54	41.73
12 23 13 00-0008 PR 12" x 56" Plantation Shutter	536.00	43.47
12 23 13 00-0009 PR 12" x 60" Plantation Shutter	538.31	45.21
12 23 13 00-0010 PR 12" x 64" Plantation Shutter	608.93	46.94
12 23 13 00-0011 PR 12" x 68" Plantation Shutter	645.39	48.68
12 23 13 00-0012 PR 12" x 72" Plantation Shutter	681.86	50.42
12 23 13 00-0013 PR 12" x 76" Plantation Shutter	718.32	52.17
12 23 13 00-0014 PR 12" x 80" Plantation Shutter	754.78	53.90
12 23 13 00-0015 14" Wide (12 23 13 00-0001)		
12 23 13 00-0016 PR 14" x 36" Plantation Shutter	365.06	34.77
12 23 13 00-0017 PR 14" x 40" Plantation Shutter	405.32	36.51
12 23 13 00-0018 PR 14" x 44" Plantation Shutter	441.78	38.25
12 23 13 00-0019 PR 14" x 48" Plantation Shutter	478.25	39.99
12 23 13 00-0020 PR 14" x 52" Plantation Shutter	518.50	41.73
12 23 13 00-0021 PR 14" x 56" Plantation Shutter	554.97	43.47
12 23 13 00-0022 PR 14" x 60" Plantation Shutter	591.43	45.21
12 23 13 00-0023 PR 14" x 64" Plantation Shutter	631.69	46.94
12 23 13 00-0024 PR 14" x 68" Plantation Shutter	668.15	48.68
12 23 13 00-0025 PR 14" x 72" Plantation Shutter	704.62	50.42
12 23 13 00-0026 PR 14" x 76" Plantation Shutter	744.88	52.17
12 23 13 00-0027 PR 14" x 80" Plantation Shutter	781.34	53.90
12 23 13 00-0028 15" Wide (12 23 13 00-0001)		
12 23 13 00-0029 PR 15" x 36" Plantation Shutter	380.23	34.77
12 23 13 00-0030 PR 15" x 40" Plantation Shutter	420.49	36.51
12 23 13 00-0031 PR 15" x 44" Plantation Shutter	456.96	38.25
12 23 13 00-0032 PR 15" x 48" Plantation Shutter	493.42	39.99
12 23 13 00-0033 PR 15" x 52" Plantation Shutter	533.67	41.73
12 23 13 00-0034 PR 15" x 56" Plantation Shutter	573.94	43.47



Furnishings			12	12
Window Treatments			12 20	
Interior Shutters			12 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0035 PR 15" x 60" Plantation Shutter.....	614.19	45.21
12 23 13 00-0036 PR 15" x 64" Plantation Shutter.....	654.45	46.94
12 23 13 00-0037 PR 15" x 68" Plantation Shutter.....	694.70	48.68
12 23 13 00-0038 PR 15" x 72" Plantation Shutter.....	731.18	50.42
12 23 13 00-0039 PR 15" x 76" Plantation Shutter.....	771.44	52.17
12 23 13 00-0040 PR 15" x 80" Plantation Shutter.....	811.69	53.90
12 23 13 00-0041 16" Wide (12 23 13 00-0001)		
12 23 13 00-0042 PR 16" x 36" Plantation Shutter.....	403.00	34.77
12 23 13 00-0043 PR 16" x 40" Plantation Shutter.....	447.05	36.51
12 23 13 00-0044 PR 16" x 44" Plantation Shutter.....	487.31	38.25
12 23 13 00-0045 PR 16" x 48" Plantation Shutter.....	531.36	39.99
12 23 13 00-0046 PR 16" x 52" Plantation Shutter.....	571.61	41.73
12 23 13 00-0047 PR 16" x 56" Plantation Shutter.....	611.88	43.47
12 23 13 00-0048 PR 16" x 60" Plantation Shutter.....	652.13	45.21
12 23 13 00-0049 PR 16" x 64" Plantation Shutter.....	699.98	46.94
12 23 13 00-0050 PR 16" x 68" Plantation Shutter.....	740.23	48.68
12 23 13 00-0051 PR 16" x 72" Plantation Shutter.....	780.50	50.42
12 23 13 00-0052 PR 16" x 76" Plantation Shutter.....	824.56	52.17
12 23 13 00-0053 PR 16" x 80" Plantation Shutter.....	864.80	53.90
12 23 13 00-0054 18" Wide (12 23 13 00-0001)		
12 23 13 00-0055 PR 18" x 36" Plantation Shutter.....	437.14	34.77
12 23 13 00-0056 PR 18" x 40" Plantation Shutter.....	481.20	36.51
12 23 13 00-0057 PR 18" x 44" Plantation Shutter.....	525.25	38.25
12 23 13 00-0058 PR 18" x 48" Plantation Shutter.....	573.10	39.99
12 23 13 00-0059 PR 18" x 52" Plantation Shutter.....	617.14	41.73
12 23 13 00-0060 PR 18" x 56" Plantation Shutter.....	665.00	43.47
12 23 13 00-0061 PR 18" x 60" Plantation Shutter.....	709.04	45.21
12 23 13 00-0062 PR 18" x 64" Plantation Shutter.....	753.10	46.94
12 23 13 00-0063 PR 18" x 68" Plantation Shutter.....	797.14	48.68
12 23 13 00-0064 PR 18" x 72" Plantation Shutter.....	845.00	50.42
12 23 13 00-0065 PR 18" x 76" Plantation Shutter.....	889.05	52.17
12 23 13 00-0066 PR 18" x 80" Plantation Shutter.....	936.89	53.90
12 23 13 00-0067 20" Wide (12 23 13 00-0001)		
12 23 13 00-0068 PR 20" x 36" Plantation Shutter.....	475.08	34.77
12 23 13 00-0069 PR 20" x 40" Plantation Shutter.....	526.72	36.51
12 23 13 00-0070 PR 20" x 44" Plantation Shutter.....	574.57	38.25
12 23 13 00-0071 PR 20" x 48" Plantation Shutter.....	622.42	39.99
12 23 13 00-0072 PR 20" x 52" Plantation Shutter.....	674.05	41.73
12 23 13 00-0073 PR 20" x 56" Plantation Shutter.....	721.91	43.47
12 23 13 00-0074 PR 20" x 60" Plantation Shutter.....	773.54	45.21
12 23 13 00-0075 PR 20" x 64" Plantation Shutter.....	821.39	46.94
12 23 13 00-0076 PR 20" x 68" Plantation Shutter.....	873.02	48.68
12 23 13 00-0077 PR 20" x 72" Plantation Shutter.....	920.88	50.42
12 23 13 00-0078 PR 20" x 76" Plantation Shutter.....	972.52	52.17
12 23 13 00-0079 PR 20" x 80" Plantation Shutter.....	1,020.36	53.90
12 23 13 00-0080 22" Wide (12 23 13 00-0001)		
12 23 13 00-0081 PR 22" x 36" Plantation Shutter.....	505.43	34.77
12 23 13 00-0082 PR 22" x 40" Plantation Shutter.....	560.87	36.51
12 23 13 00-0083 PR 22" x 44" Plantation Shutter.....	612.51	38.25
12 23 13 00-0084 PR 22" x 48" Plantation Shutter.....	6,355.15	39.99
12 23 13 00-0085 PR 22" x 52" Plantation Shutter.....	719.58	41.73
12 23 13 00-0086 PR 22" x 56" Plantation Shutter.....	771.23	43.47
12 23 13 00-0087 PR 22" x 60" Plantation Shutter.....	822.86	45.21
12 23 13 00-0088 PR 22" x 64" Plantation Shutter.....	878.30	46.94
12 23 13 00-0089 PR 22" x 68" Plantation Shutter.....	929.93	48.68
12 23 13 00-0090 PR 22" x 72" Plantation Shutter.....	985.38	50.42
12 23 13 00-0091 PR 22" x 76" Plantation Shutter.....	1,037.02	52.17
12 23 13 00-0092 PR 22" x 80" Plantation Shutter.....	1,092.44	53.90
12 23 13 00-0093 24" Wide (12 23 13 00-0001)		
12 23 13 00-0094 PR 24" x 36" Plantation Shutter.....	535.79	34.77
12 23 13 00-0095 PR 24" x 40" Plantation Shutter.....	595.02	36.51
12 23 13 00-0096 PR 24" x 44" Plantation Shutter.....	650.45	38.25
12 23 13 00-0097 PR 24" x 48" Plantation Shutter.....	709.68	39.99
12 23 13 00-0098 PR 24" x 52" Plantation Shutter.....	765.11	41.73
12 23 13 00-0099 PR 24" x 56" Plantation Shutter.....	820.55	43.47
12 23 13 00-0100 PR 24" x 60" Plantation Shutter.....	875.98	45.21
12 23 13 00-0101 PR 24" x 64" Plantation Shutter.....	935.21	46.94
12 23 13 00-0102 PR 24" x 68" Plantation Shutter.....	990.63	48.68
12 23 13 00-0103 PR 24" x 72" Plantation Shutter.....	1,049.87	50.42
12 23 13 00-0104 PR 24" x 76" Plantation Shutter.....	1,105.31	52.17

12 Furnishings**12 20 Window Treatments****12 23 Interior Shutters**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	1,164.53	53.90
12 24 Window Shades (12 20)				
12 24 13 Roller Window Shades (12 24)				
12 24 13 00-0001		Roller Window Shades (12 24 13)		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	16.03	0.69
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	16.03	0.69
12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.53	0.69
12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	16.03	0.69
12 24 13 00-0009		MechoShade (12 24 13) Note: Includes all hardware required for installation and stainless steel chain operator.		
12 24 13 00-0010		ThermoVeil 0700 Series (Blackout) Shade (12 24 13 00-0009)		
12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	235.13	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	284.52	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	309.38	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	329.78	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	246.28	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	302.36	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	322.76	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	347.61	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	259.66	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	322.42	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	342.82	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	367.68	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	270.81	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	342.49	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	362.89	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	385.52	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	281.96	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	362.56	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	



Furnishings			12	12
Window Treatments			12 20	
Window Shades			12 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0029	EA		7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	382.96	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0030	EA		7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	407.82	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0031	EA		8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	295.34	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0032	EA		8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	384.86	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0033	EA		8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	405.26	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0034	EA		8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	427.89	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0035	EA		9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	306.48	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0036	EA		9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	404.93	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0037	EA		9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	425.33	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0038	EA		9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	447.95	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0039	EA		10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	317.63	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0040	EA		10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	425.00	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0041	EA		10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	445.39	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0042	EA		10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	501.47	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0043	EA		11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	339.93	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0044	EA		11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	462.90	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0045	EA		11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	483.30	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0046	EA		11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	528.23	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0047	EA		12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	415.75	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0048	EA		12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	485.20	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0049	EA		12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	505.60	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0050	EA		12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	557.21	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0051			ThermoVeil 0900 And 3000 Series Shade (12 24 13 00-0009)		
12 24 13 00-0052	EA		3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	268.58	13.89
			For Installation In Concrete Or Steel, Add	13.80	
			For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0053	EA		3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	329.11	18.51
			For Installation In Concrete Or Steel, Add	18.39	
			For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0054	EA		3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	360.66	23.14
			For Installation In Concrete Or Steel, Add	22.99	
			For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0055	EA		3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	387.75	27.76
			For Installation In Concrete Or Steel, Add	27.58	
			For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0056	EA		3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	481.74	32.38
			For Installation In Concrete Or Steel, Add	32.18	
			For Window Top >10' Above Finished Floor, Add	16.09	

12	Furnishings
12 20	Window Treatments
12 24	Window Shades



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	499.91	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	288.65	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	360.33	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	396.34	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	425.66	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	528.57	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	548.97	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	306.48	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	393.78	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	434.25	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	463.56	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	579.85	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	600.25	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	328.78	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	427.23	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	469.92	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	503.70	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	631.14	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	651.54	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	346.62	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	456.21	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	507.83	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	541.61	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	680.19	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	814.31	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	368.92	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	489.66	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	543.51	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	



Furnishings			12
Window Treatments			12 20
Window Shades			12 24

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	579.51	27.76
		For Installation In Concrete Or Steel, Add	.....	27.58	
		For Window Top >10' Above Finished Floor, Add	.....	13.79	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	731.48	32.38
		For Installation In Concrete Or Steel, Add	.....	32.18	
		For Window Top >10' Above Finished Floor, Add	.....	16.09	
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	874.52	37.01
		For Installation In Concrete Or Steel, Add	.....	36.78	
		For Window Top >10' Above Finished Floor, Add	.....	18.39	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	386.76	13.89
		For Installation In Concrete Or Steel, Add	.....	13.80	
		For Window Top >10' Above Finished Floor, Add	.....	6.90	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	520.88	18.51
		For Installation In Concrete Or Steel, Add	.....	18.39	
		For Window Top >10' Above Finished Floor, Add	.....	9.20	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	579.18	23.14
		For Installation In Concrete Or Steel, Add	.....	22.99	
		For Window Top >10' Above Finished Floor, Add	.....	11.49	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	617.42	27.76
		For Installation In Concrete Or Steel, Add	.....	27.58	
		For Window Top >10' Above Finished Floor, Add	.....	13.79	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	782.77	32.38
		For Installation In Concrete Or Steel, Add	.....	32.18	
		For Window Top >10' Above Finished Floor, Add	.....	16.09	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	925.80	37.01
		For Installation In Concrete Or Steel, Add	.....	36.78	
		For Window Top >10' Above Finished Floor, Add	.....	18.39	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	406.83	13.89
		For Installation In Concrete Or Steel, Add	.....	13.80	
		For Window Top >10' Above Finished Floor, Add	.....	6.90	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	556.55	18.51
		For Installation In Concrete Or Steel, Add	.....	18.39	
		For Window Top >10' Above Finished Floor, Add	.....	9.20	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	619.32	23.14
		For Installation In Concrete Or Steel, Add	.....	22.99	
		For Window Top >10' Above Finished Floor, Add	.....	11.49	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	657.56	27.76
		For Installation In Concrete Or Steel, Add	.....	27.58	
		For Window Top >10' Above Finished Floor, Add	.....	13.79	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	849.66	32.38
		For Installation In Concrete Or Steel, Add	.....	32.18	
		For Window Top >10' Above Finished Floor, Add	.....	16.09	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	977.09	37.01
		For Installation In Concrete Or Steel, Add	.....	36.78	
		For Window Top >10' Above Finished Floor, Add	.....	18.39	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	444.73	13.89
		For Installation In Concrete Or Steel, Add	.....	13.80	
		For Window Top >10' Above Finished Floor, Add	.....	6.90	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	596.69	18.51
		For Installation In Concrete Or Steel, Add	.....	18.39	
		For Window Top >10' Above Finished Floor, Add	.....	9.20	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	672.83	23.14
		For Installation In Concrete Or Steel, Add	.....	22.99	
		For Window Top >10' Above Finished Floor, Add	.....	11.49	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	715.53	27.76
		For Installation In Concrete Or Steel, Add	.....	27.58	
		For Window Top >10' Above Finished Floor, Add	.....	13.79	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	934.39	32.38
		For Installation In Concrete Or Steel, Add	.....	32.18	
		For Window Top >10' Above Finished Floor, Add	.....	16.09	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	1,061.82	37.01
		For Installation In Concrete Or Steel, Add	.....	36.78	
		For Window Top >10' Above Finished Floor, Add	.....	18.39	
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	542.84	13.89
		For Installation In Concrete Or Steel, Add	.....	13.80	
		For Window Top >10' Above Finished Floor, Add	.....	6.90	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	636.83	18.51
		For Installation In Concrete Or Steel, Add	.....	18.39	
		For Window Top >10' Above Finished Floor, Add	.....	9.20	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	721.89	23.14
		For Installation In Concrete Or Steel, Add	.....	22.99	
		For Window Top >10' Above Finished Floor, Add	.....	11.49	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	764.59	27.76
		For Installation In Concrete Or Steel, Add	.....	27.58	
		For Window Top >10' Above Finished Floor, Add	.....	13.79	
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	976.76	32.38
		For Installation In Concrete Or Steel, Add	.....	32.18	
		For Window Top >10' Above Finished Floor, Add	.....	16.09	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	1,110.88	37.01
		For Installation In Concrete Or Steel, Add	.....	36.78	
		For Window Top >10' Above Finished Floor, Add	.....	18.39	

12 24 13 00-0112 EuroVeil 5100, 5200 And 5300 Series Shade (12 24 13 00-0009)

12	Furnishings
12 20	Window Treatments
12 24	Window Shades



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	284.19	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	306.82	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	351.74	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	416.74	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	466.13	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	511.06	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	306.48	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	329.11	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	385.19	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	463.56	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	512.96	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	533.36	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	328.78	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	349.18	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	416.41	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	510.39	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	559.79	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	580.18	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	353.31	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	373.71	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	447.62	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	557.21	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	606.61	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	745.19	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	375.61	13.89
		For Installation In Concrete Or Steel, Add	13.80	
		For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	396.01	18.51
		For Installation In Concrete Or Steel, Add	18.39	
		For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	476.61	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	604.04	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	



Furnishings			12
Window Treatments			12 20
Window Shades			12 24

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	653.44	32.38	
		For Installation In Concrete Or Steel, Add	32.18		
		For Window Top >10' Above Finished Floor, Add	16.09		
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	792.02	37.01	
		For Installation In Concrete Or Steel, Add	36.78		
		For Window Top >10' Above Finished Floor, Add	18.39		
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	400.14	13.89	
		For Installation In Concrete Or Steel, Add	13.80		
		For Window Top >10' Above Finished Floor, Add	6.90		
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	420.54	18.51	
		For Installation In Concrete Or Steel, Add	18.39		
		For Window Top >10' Above Finished Floor, Add	9.20		
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	510.06	23.14	
		For Installation In Concrete Or Steel, Add	22.99		
		For Window Top >10' Above Finished Floor, Add	11.49		
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	650.87	27.76	
		For Installation In Concrete Or Steel, Add	27.58		
		For Window Top >10' Above Finished Floor, Add	13.79		
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	718.10	32.38	
		For Installation In Concrete Or Steel, Add	32.18		
		For Window Top >10' Above Finished Floor, Add	16.09		
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	832.15	37.01	
		For Installation In Concrete Or Steel, Add	36.78		
		For Window Top >10' Above Finished Floor, Add	18.39		
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	422.43	13.89	
		For Installation In Concrete Or Steel, Add	13.80		
		For Window Top >10' Above Finished Floor, Add	6.90		
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	440.60	18.51	
		For Installation In Concrete Or Steel, Add	18.39		
		For Window Top >10' Above Finished Floor, Add	9.20		
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	543.51	23.14	
		For Installation In Concrete Or Steel, Add	22.99		
		For Window Top >10' Above Finished Floor, Add	11.49		
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	706.61	27.76	
		For Installation In Concrete Or Steel, Add	27.58		
		For Window Top >10' Above Finished Floor, Add	13.79		
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	756.01	32.38	
		For Installation In Concrete Or Steel, Add	32.18		
		For Window Top >10' Above Finished Floor, Add	16.09		
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	878.98	37.01	
		For Installation In Concrete Or Steel, Add	36.78		
		For Window Top >10' Above Finished Floor, Add	18.39		
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	444.73	13.89	
		For Installation In Concrete Or Steel, Add	13.80		
		For Window Top >10' Above Finished Floor, Add	6.90		
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	465.13	18.51	
		For Installation In Concrete Or Steel, Add	18.39		
		For Window Top >10' Above Finished Floor, Add	9.20		
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	572.49	23.14	
		For Installation In Concrete Or Steel, Add	22.99		
		For Window Top >10' Above Finished Floor, Add	11.49		
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	746.75	27.76	
		For Installation In Concrete Or Steel, Add	27.58		
		For Window Top >10' Above Finished Floor, Add	13.79		
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	798.37	32.38	
		For Installation In Concrete Or Steel, Add	32.18		
		For Window Top >10' Above Finished Floor, Add	16.09		
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	943.64	37.01	
		For Installation In Concrete Or Steel, Add	36.78		
		For Window Top >10' Above Finished Floor, Add	18.39		
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	500.48	13.89	
		For Installation In Concrete Or Steel, Add	13.80		
		For Window Top >10' Above Finished Floor, Add	6.90		
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	520.88	18.51	
		For Installation In Concrete Or Steel, Add	18.39		
		For Window Top >10' Above Finished Floor, Add	9.20		
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	648.31	23.14	
		For Installation In Concrete Or Steel, Add	22.99		
		For Window Top >10' Above Finished Floor, Add	11.49		
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	820.33	27.76	
		For Installation In Concrete Or Steel, Add	27.58		
		For Window Top >10' Above Finished Floor, Add	13.79		
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	880.88	32.38	
		For Installation In Concrete Or Steel, Add	32.18		
		For Window Top >10' Above Finished Floor, Add	16.09		
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,017.23	37.01	
		For Installation In Concrete Or Steel, Add	36.78		
		For Window Top >10' Above Finished Floor, Add	18.39		
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	589.67	13.89	
		For Installation In Concrete Or Steel, Add	13.80		
		For Window Top >10' Above Finished Floor, Add	6.90		
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	545.40	18.51	
		For Installation In Concrete Or Steel, Add	18.39		
		For Window Top >10' Above Finished Floor, Add	9.20		

12	Furnishings
12 20	Window Treatments
12 24	Window Shades



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	683.98	23.14
		For Installation In Concrete Or Steel, Add	22.99	
		For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	867.16	27.76
		For Installation In Concrete Or Steel, Add	27.58	
		For Window Top >10' Above Finished Floor, Add	13.79	
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	929.93	32.38
		For Installation In Concrete Or Steel, Add	32.18	
		For Window Top >10' Above Finished Floor, Add	16.09	
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,064.05	37.01
		For Installation In Concrete Or Steel, Add	36.78	
		For Window Top >10' Above Finished Floor, Add	18.39	
12 24 13 00-0173 Snaplock Fascia (12 24 13 00-0009)				
12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	33.62	2.31
		For Installation In Concrete Or Steel, Add	2.30	
		For Window Top >10' Above Finished Floor, Add	1.15	
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	44.08	3.08
		For Installation In Concrete Or Steel, Add	3.07	
		For Window Top >10' Above Finished Floor, Add	1.53	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	54.54	3.85
		For Installation In Concrete Or Steel, Add	3.83	
		For Window Top >10' Above Finished Floor, Add	1.92	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	69.45	4.63
		For Installation In Concrete Or Steel, Add	4.60	
		For Window Top >10' Above Finished Floor, Add	2.30	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	77.68	5.39
		For Installation In Concrete Or Steel, Add	5.36	
		For Window Top >10' Above Finished Floor, Add	2.68	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	90.38	6.17
		For Installation In Concrete Or Steel, Add	6.13	
		For Window Top >10' Above Finished Floor, Add	3.07	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	103.07	6.93
		For Installation In Concrete Or Steel, Add	6.90	
		For Window Top >10' Above Finished Floor, Add	3.45	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	113.53	7.71
		For Installation In Concrete Or Steel, Add	7.66	
		For Window Top >10' Above Finished Floor, Add	3.83	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	123.99	8.48
		For Installation In Concrete Or Steel, Add	8.43	
		For Window Top >10' Above Finished Floor, Add	4.21	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	199.11	9.25
		For Installation In Concrete Or Steel, Add	9.19	
		For Window Top >10' Above Finished Floor, Add	4.60	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	62.60	2.31
		For Installation In Concrete Or Steel, Add	2.30	
		For Window Top >10' Above Finished Floor, Add	1.15	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	84.21	3.08
		For Installation In Concrete Or Steel, Add	3.07	
		For Window Top >10' Above Finished Floor, Add	1.53	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	103.59	3.85
		For Installation In Concrete Or Steel, Add	3.83	
		For Window Top >10' Above Finished Floor, Add	1.92	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	122.97	4.63
		For Installation In Concrete Or Steel, Add	4.60	
		For Window Top >10' Above Finished Floor, Add	2.30	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	144.58	5.39
		For Installation In Concrete Or Steel, Add	5.36	
		For Window Top >10' Above Finished Floor, Add	2.68	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	163.97	6.17
		For Installation In Concrete Or Steel, Add	6.13	
		For Window Top >10' Above Finished Floor, Add	3.07	
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	185.57	6.93
		For Installation In Concrete Or Steel, Add	6.90	
		For Window Top >10' Above Finished Floor, Add	3.45	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	209.41	7.71
		For Installation In Concrete Or Steel, Add	7.66	
		For Window Top >10' Above Finished Floor, Add	3.83	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	226.56	8.48
		For Installation In Concrete Or Steel, Add	8.43	
		For Window Top >10' Above Finished Floor, Add	4.21	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	373.04	9.25
		For Installation In Concrete Or Steel, Add	9.19	
		For Window Top >10' Above Finished Floor, Add	4.60	
12 24 13 00-0194 Room Darkening Sill And Side Channel (12 24 13 00-0009)				
12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	45.10	6.93
		For Installation In Concrete Or Steel, Add	6.90	
		For Window Top >10' Above Finished Floor, Add	3.45	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	58.64	9.25
		For Installation In Concrete Or Steel, Add	9.19	
		For Window Top >10' Above Finished Floor, Add	4.60	



Furnishings			12
Window Treatments			12 20
Window Shades			12 24

12

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	76.66 11.50 5.75	11.57
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	92.42 13.80 6.90	13.89
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	105.96 16.09 8.05	16.20
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	121.74 18.39 9.20	18.51
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	137.51 20.69 10.34	20.82
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	151.06 22.99 11.49	23.14
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	164.61 25.29 12.64	25.45
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	180.38 27.58 13.79	27.76
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	45.10 6.90 3.45	6.93
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	96.54 9.19 4.60	9.25
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	121.25 11.50 5.75	11.57
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	141.48 13.80 6.90	13.89
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	168.40 16.09 8.05	16.20
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	190.87 18.39 9.20	18.51
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	226.70 20.69 10.34	20.82
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	251.40 22.99 11.49	23.14
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	278.33 25.29 12.64	25.45
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	300.79 27.58 13.79	27.76
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	58.48 6.90 3.45	6.93
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	80.93 9.19 4.60	9.25
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	101.18 11.50 5.75	11.57
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	121.41 13.80 6.90	13.89
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	139.41 16.09 8.05	16.20
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	159.65 18.39 9.20	18.51
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	179.88 20.69 10.34	20.82
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	197.89 22.99 11.49	23.14
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	218.13 25.29 12.64	25.45
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	240.58 27.58 13.79	27.76

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0225 EA 36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	105.30	6.93
For Installation In Concrete Or Steel, Add	6.90	
For Window Top >10' Above Finished Floor, Add	3.45	
12 24 13 00-0226 EA 48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	136.68	9.25
For Installation In Concrete Or Steel, Add	9.19	
For Window Top >10' Above Finished Floor, Add	4.60	
12 24 13 00-0227 EA 60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	170.31	11.57
For Installation In Concrete Or Steel, Add	11.50	
For Window Top >10' Above Finished Floor, Add	5.75	
12 24 13 00-0228 EA 72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	208.37	13.89
For Installation In Concrete Or Steel, Add	13.80	
For Window Top >10' Above Finished Floor, Add	6.90	
12 24 13 00-0229 EA 84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	239.75	16.20
For Installation In Concrete Or Steel, Add	16.09	
For Window Top >10' Above Finished Floor, Add	8.05	
12 24 13 00-0230 EA 96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	275.60	18.51
For Installation In Concrete Or Steel, Add	18.39	
For Window Top >10' Above Finished Floor, Add	9.20	
12 24 13 00-0231 EA 108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	309.21	20.82
For Installation In Concrete Or Steel, Add	20.69	
For Window Top >10' Above Finished Floor, Add	10.34	
12 24 13 00-0232 EA 120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	345.05	23.14
For Installation In Concrete Or Steel, Add	22.99	
For Window Top >10' Above Finished Floor, Add	11.49	
12 24 13 00-0233 EA 132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	376.44	25.45
For Installation In Concrete Or Steel, Add	25.29	
For Window Top >10' Above Finished Floor, Add	12.64	
12 24 13 00-0234 EA 144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel.....	410.05	27.76
For Installation In Concrete Or Steel, Add	27.58	
For Window Top >10' Above Finished Floor, Add	13.79	

12 25 Window Treatment Operating Hardware (12 20)**12 25 09 Window Treatment Control System** (12 25)**12 25 09 00-0001 Motorized Lightproof Shades** (12 25 09)

12 25 09 00-0002 SF Motorized Lightproof Shades, Up To 144" Width.....	42.67	2.75

12 25 13 Motorized Drapery Rods (12 25)**12 25 13 00-0001 Motorized Drapery Track** (12 25 13)

12 25 13 00-0002 EA 2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,449.04	115.91
12 25 13 00-0003 EA >4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,510.76	127.50
12 25 13 00-0004 EA >5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,572.47	139.09
12 25 13 00-0005 EA >6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,634.19	150.69
12 25 13 00-0006 EA >7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,695.90	162.28
12 25 13 00-0007 EA >8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,757.62	173.87
12 25 13 00-0008 EA >9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,819.33	185.46
12 25 13 00-0009 EA >10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,881.04	197.05
12 25 13 00-0010 EA >11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,942.76	208.64
12 25 13 00-0011 EA >12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,004.48	220.23
12 25 13 00-0012 EA >13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,066.19	231.82
12 25 13 00-0013 EA >14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,127.90	243.42
12 25 13 00-0014 EA >15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,189.61	255.01
12 25 13 00-0015 EA >16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,251.33	266.60
12 25 13 00-0016 EA >17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,313.04	278.19
12 25 13 00-0017 EA >18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,374.75	289.78
12 25 13 00-0018 EA >19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,436.47	301.37
12 25 13 00-0019 EA >20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,498.18	312.96
12 25 13 00-0020 EA >21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,559.90	324.55
12 25 13 00-0021 EA >22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,621.61	336.14
12 25 13 00-0022 EA >23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,683.32	347.74

12 30 Casework (12)**12 31 Manufactured Metal Casework** (12 30)**12 31 16 Manufactured Metal Sandwich Panel Casework** (12 31)**12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets** (12 31 16)**12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets** (12 31 16 00-0001)**12 31 16 00-0003 18" Stainless Steel Base Cabinet** (12 31 16 00-0002)

12 31 16 00-0004 EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,131.70	264.77
For 16 Gauge Stainless Steel, Add	344.43	
For >5 To 9, Deduct	-84.11	
For >9, Deduct	-168.21	



Furnishings			12
Casework			12 30
Manufactured Metal Casework			12 31

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0005	EA		18" Stainless Steel Base Cabinet, With 4 Drawers.....	3,492.39	264.77
			For 16 Gauge Stainless Steel, Add	636.98	
			For >5 To 9, Deduct	-155.54	
			For >9, Deduct	-311.08	
12 31 16 00-0006	EA		18" Stainless Steel Base Cabinet, With 3 Drawers.....	3,235.64	264.77
			For 16 Gauge Stainless Steel, Add	581.78	
			For >5 To 9, Deduct	-142.06	
			For >9, Deduct	-284.12	
12 31 16 00-0007	EA		18" Stainless Steel Base Cabinet, With 2 Drawers.....	2,978.88	264.77
			For 16 Gauge Stainless Steel, Add	526.57	
			For >5 To 9, Deduct	-128.58	
			For >9, Deduct	-257.16	
12 31 16 00-0008	EA		18" Stainless Steel Base Cabinet, With Doors And Drawers.....	2,891.76	264.77
			For 16 Gauge Stainless Steel, Add	507.84	
			For >5 To 9, Deduct	-124.01	
			For >9, Deduct	-248.02	
12 31 16 00-0009 24" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0010	EA		24" Stainless Steel Base Cabinet, With Doors And Locks.....	3,098.49	286.16
			For 16 Gauge Stainless Steel, Add	543.04	
			For >5 To 9, Deduct	-132.60	
			For >9, Deduct	-265.20	
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks.....	2,785.19	286.16
			For 16 Gauge Stainless Steel, Add	475.68	
			For >5 To 9, Deduct	-116.15	
			For >9, Deduct	-232.31	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks.....	2,853.79	286.16
			For 16 Gauge Stainless Steel, Add	490.43	
			For >5 To 9, Deduct	-119.76	
			For >9, Deduct	-239.51	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	3,172.64	286.16
			For 16 Gauge Stainless Steel, Add	558.98	
			For >5 To 9, Deduct	-136.49	
			For >9, Deduct	-272.99	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	4,139.40	286.16
			For 16 Gauge Stainless Steel, Add	766.83	
			For >5 To 9, Deduct	-187.25	
			For >9, Deduct	-374.50	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	4,553.72	286.16
			For 16 Gauge Stainless Steel, Add	855.91	
			For >5 To 9, Deduct	-209.00	
			For >9, Deduct	-418.00	
12 31 16 00-0016 30" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,718.30	301.55
			For 16 Gauge Stainless Steel, Add	454.82	
			For >5 To 9, Deduct	-111.06	
			For >9, Deduct	-222.12	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers.....	3,975.17	301.55
			For 16 Gauge Stainless Steel, Add	725.04	
			For >5 To 9, Deduct	-177.05	
			For >9, Deduct	-354.09	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	5,131.02	301.55
			For 16 Gauge Stainless Steel, Add	973.55	
			For >5 To 9, Deduct	-237.73	
			For >9, Deduct	-475.45	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	4,716.69	301.55
			For 16 Gauge Stainless Steel, Add	884.47	
			For >5 To 9, Deduct	-215.98	
			For >9, Deduct	-431.95	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	4,459.94	301.55
			For 16 Gauge Stainless Steel, Add	829.27	
			For >5 To 9, Deduct	-202.50	
			For >9, Deduct	-404.99	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks.....	3,418.11	301.55
			For 16 Gauge Stainless Steel, Add	605.27	
			For >5 To 9, Deduct	-147.80	
			For >9, Deduct	-295.60	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks.....	3,386.59	301.55
			For 16 Gauge Stainless Steel, Add	598.50	
			For >5 To 9, Deduct	-146.14	
			For >9, Deduct	-292.29	
12 31 16 00-0024 36" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	3,006.42	313.52
			For 16 Gauge Stainless Steel, Add	511.43	
			For >5 To 9, Deduct	-124.88	
			For >9, Deduct	-249.77	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks.....	3,675.64	313.52
			For 16 Gauge Stainless Steel, Add	655.32	
			For >5 To 9, Deduct	-160.02	
			For >9, Deduct	-320.04	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	3,429.09	313.52
			For 16 Gauge Stainless Steel, Add	602.31	
			For >5 To 9, Deduct	-147.08	
			For >9, Deduct	-294.15	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	5,416.36	313.52
			For 16 Gauge Stainless Steel, Add	1,029.57	
			For >5 To 9, Deduct	-251.41	
			For >9, Deduct	-502.81	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	5,002.96	313.52
			For 16 Gauge Stainless Steel, Add	940.69	
			For >5 To 9, Deduct	-229.70	
			For >9, Deduct	-459.41	
12 31 16 00-0030 42" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,155.34	333.19
			For 16 Gauge Stainless Steel, Add	535.11	
			For >5 To 9, Deduct	-130.67	
			For >9, Deduct	-261.33	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	5,712.66	333.19
			For 16 Gauge Stainless Steel, Add	1,084.93	
			For >5 To 9, Deduct	-264.93	
			For >9, Deduct	-529.85	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,298.34	333.19
			For 16 Gauge Stainless Steel, Add	995.85	
			For >5 To 9, Deduct	-243.17	
			For >9, Deduct	-486.35	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,869.18	333.19
			For 16 Gauge Stainless Steel, Add	903.58	
			For >5 To 9, Deduct	-220.64	
			For >9, Deduct	-441.29	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock.....	3,726.31	333.19
			For 16 Gauge Stainless Steel, Add	657.87	
			For >5 To 9, Deduct	-160.64	
			For >9, Deduct	-321.28	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock.....	3,969.16	333.19
			For 16 Gauge Stainless Steel, Add	710.08	
			For >5 To 9, Deduct	-173.39	
			For >9, Deduct	-346.78	
12 31 16 00-0037 48" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	5,992.86	340.89
			For 16 Gauge Stainless Steel, Add	1,141.98	
			For >5 To 9, Deduct	-278.86	
			For >9, Deduct	-557.71	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,579.46	340.89
			For 16 Gauge Stainless Steel, Add	1,053.10	
			For >5 To 9, Deduct	-257.15	
			For >9, Deduct	-514.30	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,435.54	340.89
			For 16 Gauge Stainless Steel, Add	592.16	
			For >5 To 9, Deduct	-144.60	
			For >9, Deduct	-289.19	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,150.30	340.89
			For 16 Gauge Stainless Steel, Add	960.83	
			For >5 To 9, Deduct	-234.62	
			For >9, Deduct	-469.24	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock.....	4,252.14	340.89
			For 16 Gauge Stainless Steel, Add	767.73	
			For >5 To 9, Deduct	-187.47	
			For >9, Deduct	-374.94	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks.....	4,185.40	340.89
			For 16 Gauge Stainless Steel, Add	753.38	
			For >5 To 9, Deduct	-183.96	
			For >9, Deduct	-367.93	
12 31 16 00-0044 60" Stainless Steel Base Cabinet (12 31 16 00-0002)					
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet.....	4,138.74	351.28
			For 16 Gauge Stainless Steel, Add	738.86	
			For >5 To 9, Deduct	-180.42	
			For >9, Deduct	-360.84	
12 31 16 00-0046 18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)					
12 31 16 00-0047 12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,669.89	100.80
			For 16 Gauge Stainless Steel, Add	315.68	
			For >5 To 9, Deduct	-77.08	
			For >9, Deduct	-154.17	



Furnishings			12
Casework			12 30
Manufactured Metal Casework			12 31

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,662.34	106.91
			For 16 Gauge Stainless Steel, Add	311.42	
			For >5 To 9, Deduct	-76.05	
			For >9, Deduct	-152.09	
12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,750.10	108.37
			For 16 Gauge Stainless Steel, Add	329.64	
			For >5 To 9, Deduct	-80.49	
			For >9, Deduct	-160.99	
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,649.07	108.37
			For 16 Gauge Stainless Steel, Add	307.92	
			For >5 To 9, Deduct	-75.19	
			For >9, Deduct	-150.38	
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,936.05	117.90
			For 16 Gauge Stainless Steel, Add	365.54	
			For >5 To 9, Deduct	-89.26	
			For >9, Deduct	-178.52	
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,873.94	117.90
			For 16 Gauge Stainless Steel, Add	352.18	
			For >5 To 9, Deduct	-86.00	
			For >9, Deduct	-172.00	
12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	1,447.79	119.99
			For 16 Gauge Stainless Steel, Add	259.70	
			For >5 To 9, Deduct	-63.41	
			For >9, Deduct	-126.83	
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,976.12	119.99
			For 16 Gauge Stainless Steel, Add	373.29	
			For >5 To 9, Deduct	-91.15	
			For >9, Deduct	-182.30	
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,876.02	119.99
			For 16 Gauge Stainless Steel, Add	351.77	
			For >5 To 9, Deduct	-85.90	
			For >9, Deduct	-171.79	
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,860.54	112.04
			For 16 Gauge Stainless Steel, Add	351.79	
			For >5 To 9, Deduct	-85.90	
			For >9, Deduct	-171.80	
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,753.95	112.04
			For 16 Gauge Stainless Steel, Add	328.87	
			For >5 To 9, Deduct	-80.31	
			For >9, Deduct	-160.61	
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	2,253.55	112.04
			For 16 Gauge Stainless Steel, Add	436.28	
			For >5 To 9, Deduct	-106.53	
			For >9, Deduct	-213.07	
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,325.72	112.04
			For 16 Gauge Stainless Steel, Add	236.80	
			For >5 To 9, Deduct	-57.82	
			For >9, Deduct	-115.65	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,248.01	106.91
			For 16 Gauge Stainless Steel, Add	222.34	
			For >5 To 9, Deduct	-54.29	
			For >9, Deduct	-108.59	
12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,569.68	127.44
			For 16 Gauge Stainless Steel, Add	497.68	
			For >5 To 9, Deduct	-121.53	
			For >9, Deduct	-243.05	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,326.84	127.44
			For 16 Gauge Stainless Steel, Add	445.47	
			For >5 To 9, Deduct	-108.78	
			For >9, Deduct	-217.55	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,554.73	127.44
			For 16 Gauge Stainless Steel, Add	279.46	
			For >5 To 9, Deduct	-68.24	
			For >9, Deduct	-136.48	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,445.22	117.30
			For 16 Gauge Stainless Steel, Add	475.27	
			For >5 To 9, Deduct	-116.05	
			For >9, Deduct	-232.11	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,202.37	117.30
			For 16 Gauge Stainless Steel, Add	423.06	
			For >5 To 9, Deduct	-103.30	
			For >9, Deduct	-206.61	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,430.26	117.30
			For 16 Gauge Stainless Steel, Add	257.05	
			For >5 To 9, Deduct	-62.77	
			For >9, Deduct	-125.54	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,352.19		111.80
		For 16 Gauge Stainless Steel, Add	242.67		
		For >5 To 9, Deduct	-59.26		
		For >9, Deduct	-118.51		
12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,672.64		131.11
		For 16 Gauge Stainless Steel, Add	518.25		
		For >5 To 9, Deduct	-126.55		
		For >9, Deduct	-253.10		
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,424.23		131.11
		For 16 Gauge Stainless Steel, Add	464.84		
		For >5 To 9, Deduct	-113.51		
		For >9, Deduct	-227.01		
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,657.68		131.11
		For 16 Gauge Stainless Steel, Add	300.03		
		For >5 To 9, Deduct	-73.26		
		For >9, Deduct	-146.53		
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,547.09		119.99
		For 16 Gauge Stainless Steel, Add	496.05		
		For >5 To 9, Deduct	-121.13		
		For >9, Deduct	-242.26		
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,305.17		119.99
		For 16 Gauge Stainless Steel, Add	444.04		
		For >5 To 9, Deduct	-108.43		
		For >9, Deduct	-216.85		
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,532.14		119.99
		For 16 Gauge Stainless Steel, Add	277.83		
		For >5 To 9, Deduct	-67.84		
		For >9, Deduct	-135.69		
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,455.80		114.24
		For 16 Gauge Stainless Steel, Add	263.87		
		For >5 To 9, Deduct	-64.43		
		For >9, Deduct	-128.86		
12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,794.67		164.95
		For 16 Gauge Stainless Steel, Add	529.98		
		For >5 To 9, Deduct	-129.41		
		For >9, Deduct	-258.83		
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,801.81		155.66
		For 16 Gauge Stainless Steel, Add	535.49		
		For >5 To 9, Deduct	-130.76		
		For >9, Deduct	-261.52		
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,555.25		155.66
		For 16 Gauge Stainless Steel, Add	482.48		
		For >5 To 9, Deduct	-117.81		
		For >9, Deduct	-235.63		
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,785.00		155.66
		For 16 Gauge Stainless Steel, Add	316.88		
		For >5 To 9, Deduct	-77.38		
		For >9, Deduct	-154.75		
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,645.38		130.73
		For 16 Gauge Stainless Steel, Add	512.54		
		For >5 To 9, Deduct	-125.16		
		For >9, Deduct	-250.31		
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,400.68		130.73
		For 16 Gauge Stainless Steel, Add	459.93		
		For >5 To 9, Deduct	-112.31		
		For >9, Deduct	-224.62		
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,630.43		130.73
		For 16 Gauge Stainless Steel, Add	294.33		
		For >5 To 9, Deduct	-71.87		
		For >9, Deduct	-143.74		
12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	2,454.24		164.95
		For 16 Gauge Stainless Steel, Add	455.36		
		For >5 To 9, Deduct	-111.19		
		For >9, Deduct	-222.39		
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,902.77		159.09
		For 16 Gauge Stainless Steel, Add	555.68		
		For >5 To 9, Deduct	-135.69		
		For >9, Deduct	-271.38		
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,659.92		159.09
		For 16 Gauge Stainless Steel, Add	503.47		
		For >5 To 9, Deduct	-122.94		
		For >9, Deduct	-245.88		
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,887.81		159.09
		For 16 Gauge Stainless Steel, Add	337.47		
		For >5 To 9, Deduct	-82.41		
		For >9, Deduct	-164.81		



Furnishings			12
Casework			12 30
Manufactured Metal Casework			12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,745.93 533.60 -130.30 -260.59	131.95
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,504.01 481.58 -117.60 -235.19	131.95
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,730.97 315.38 -77.01 -154.02	131.95
12 31 16 00-0096			Accessories (12 31 16 00-0001)		
12 31 16 00-0097			Stainless Steel Countertops (12 31 16 00-0096) Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash <i>For 14 Gauge Stainless Steel, Add</i>	128.00 25.32	6.72
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash <i>For 14 Gauge Stainless Steel, Add</i>	117.28 22.95	6.72
12 31 16 00-0100	EA		Cutout For Sink And/or Faucet In Stainless Steel Countertop	172.57	
12 31 16 00-0101			Stainless Steel Wall Panels (12 31 16 00-0096)		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	40.89 5.66 10.91	10.02
12 31 16 00-0103			Pedestal Legs (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type 304 Stainless Steel Pedestal Leg	365.49	15.27
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	397.04	28.77
12 35			Specialty Casework (12 30)		
12 35 59			Display Casework (12 35) See CSI section 10 12 00 00-0000 for display cases.		
12 35 70			Healthcare Casework (12 35)		
12 35 70 13			Hospital Casework (12 35 70)		
12 35 70 13-0001			Modular Casework (12 35 70 13) Note: Midmark.		
12 35 70 13-0002	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	987.75	106.61
12 35 70 13-0003	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,225.30	133.26
12 35 70 13-0004	EA		36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,710.01	106.61
12 35 70 13-0005	EA		36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,964.89	133.26
12 35 70 13-0006	EA		36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,116.32	106.61
12 35 70 13-0007	EA		36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,499.76	133.26
12 35 70 13-0008	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,120.65	106.61
12 35 70 13-0009	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,205.87	106.61
12 35 70 13-0010	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,279.54	106.61
12 35 70 13-0011	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,599.43	133.26
12 35 70 13-0012	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,623.98	133.26
12 35 70 13-0013	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,500.55	106.61
12 35 70 13-0014	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,743.88	133.26
12 35 70 13-0015	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,797.32	133.26
12 35 70 13-0016	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,314.21	106.61
12 35 70 13-0017	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,351.77	106.61
12 35 70 13-0018	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,448.55	106.61
12 35 70 13-0019	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,409.79	133.26
12 35 70 13-0020	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,545.58	133.26
12 35 70 13-0021	EA		36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,692.67	106.61
12 35 70 13-0022	EA		36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,792.34	106.61
12 35 70 13-0023	EA		36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,964.24	106.61
12 35 70 13-0024	EA		84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,451.50	319.82
12 35 70 13-0025	EA		84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	3,172.71	319.82
12 35 70 13-0026	EA		Desk Filler Panel (Midmark MC-SDA003-060501)	130.65	26.65
12 35 70 13-0027	EA		30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	721.97	106.61
12 35 70 13-0028	EA		30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	708.97	106.61
12 35 70 13-0029	EA		30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	755.19	106.61
12 35 70 13-0030	EA		30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	817.30	106.61
12 35 70 13-0031	EA		30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	888.08	106.61
12 35 70 13-0032	EA		30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	1,017.29	133.26
12 35 70 13-0033	EA		30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,102.52	133.26

12 Furnishings**12 30 Casework****12 35 Specialty Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0034	EA		30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,350.97	133.26
12 35 70 13-0035	EA		30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,501.20	133.26
12 35 70 13-0036	LF		19" Self Edge Laminate Countertop With Backsplash	183.38	17.26
12 35 70 13-0037	LF		25" Self Edge Laminate Countertop With Backsplash	360.05	23.00
12 35 70 13-0038	SF		Melamine Wall Cabinet Inner Soffit.....	39.82	14.39
Note: Includes blocking					
12 35 70 19 Exam Room Casework (12 35 70)					
12 35 70 19-0001			Medical Exam Room Cabinetwork (12 35 70 19)		
12 35 70 19-0002			Medical Exam Room Wall Cabinets (12 35 70 19-0001)		
12 35 70 19-0003			Medical Exam Room Wall Cabinets (Clinton Industries®) (12 35 70 19-0002)		
Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.					
12 35 70 19-0004	EA		24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212).....	552.65	35.66
			For Additional Shelf, Add	50.04	
			For Lock And Inside Latch Combo For Double Doors, Add	115.79	
12 35 70 19-0005	EA		24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224).....	602.69	35.66
			For Additional Shelf, Add	50.04	
			For Lock And Inside Latch Combo For Double Doors, Add	115.79	
12 35 70 19-0006	EA		36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236).....	981.95	46.59
			For Additional Shelf, Add	50.04	
			For Lock And Inside Latch Combo For Double Doors, Add	116.22	
12 35 70 19-0007	EA		42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242).....	1,069.96	48.90
			For Additional Shelf, Add	50.04	
			For Lock And Inside Latch Combo For Double Doors, Add	116.31	
12 35 70 19-0008	EA		48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248).....	1,181.70	52.35
			For Additional Shelf, Add	50.04	
			For Lock And Inside Latch Combo For Double Doors, Add	116.45	
12 35 70 19-0009	EA		54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254).....	1,336.33	55.80
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	78.47	
			For Lock And Inside Latch Combo For Double Doors, Add	116.59	
12 35 70 19-0010	EA		66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266).....	1,539.78	59.83
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	78.63	
			For Lock And Inside Latch Combo For Double Doors, Add	116.75	
12 35 70 19-0011	EA		72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272).....	1,630.07	63.28
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	78.77	
			For Lock And Inside Latch Combo For Double Doors, Add	116.89	
12 35 70 19-0012			Medical Exam Room Base Cabinets (12 35 70 19-0001)		
12 35 70 19-0013			Medical Exam Room Base Cabinets (Ritter®) (12 35 70 19-0012)		
Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.					
12 35 70 19-0014	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060).....	1,855.87	88.01
			For Lock For Single Door/Drawer, Add	79.75	
			For Soft Edge Top, Add	583.78	
12 35 70 19-0015	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001).....	1,920.20	88.01
			For Lock For Single Door/Drawer, Add	79.75	
			For Soft Edge Top, Add	583.78	
12 35 70 19-0016	EA		24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001).....	2,158.48	88.01
			For Lock For Single Door/Drawer, Add	79.75	
			For Soft Edge Top, Add	583.78	
12 35 70 19-0017	EA		24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002).....	2,177.54	88.01
			For Lock For Single Door/Drawer, Add	79.75	
			For Soft Edge Top, Add	583.78	
12 35 70 19-0018	EA		24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002).....	2,463.47	88.01
			For Lock For Single Door/Drawer, Add	79.75	
			For Soft Edge Top, Add	583.78	
12 35 70 19-0019			Medical Exam Room Base Cabinets (Clinton Industries®) (12 35 70 19-0012)		
Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.					
12 35 70 19-0020	EA		24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)	942.88	143.80
Note: Includes stainless steel sink and faucet.					
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	81.97	
			For Lock And Inside Latch Combo For Double Doors, Add	120.09	
12 35 70 19-0021	EA		24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,295.92	88.01
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	79.75	
			For Lock And Inside Latch Combo For Double Doors, Add	117.87	



Furnishings			12
Casework			12 30
Specialty Casework			12 35

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0022	EA		36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036).....	1,877.73	98.94
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	80.18	
			For Lock And Inside Latch Combo For Double Doors, Add	118.30	
12 35 70 19-0023	EA		42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042).....	2,032.03	106.99
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	80.50	
			For Lock And Inside Latch Combo For Double Doors, Add	118.62	
12 35 70 19-0024	EA		48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048).....	2,216.91	120.80
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	81.05	
			For Lock And Inside Latch Combo For Double Doors, Add	119.17	
12 35 70 19-0025	EA		54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054).....	2,672.59	129.42
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	81.39	
			For Lock And Inside Latch Combo For Double Doors, Add	119.51	
12 35 70 19-0026	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066).....	2,954.34	138.06
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	81.74	
			For Lock And Inside Latch Combo For Double Doors, Add	119.86	
12 35 70 19-0027	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99).....	3,133.31	201.33
			Note: Includes stainless steel sink and faucet.		
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	84.25	
			For Lock And Inside Latch Combo For Double Doors, Add	122.37	
12 35 70 19-0028	EA		72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072).....	3,150.31	146.68
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	82.08	
			For Lock And Inside Latch Combo For Double Doors, Add	120.20	
12 35 70 19-0029	EA		72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99).....	3,594.75	212.84
			Note: Includes stainless steel sink and faucet.		
			For Additional Shelf, Add	50.04	
			For Lock For Single Door/Drawer, Add	84.71	
			For Lock And Inside Latch Combo For Double Doors, Add	122.83	
12 35 70 19-0030			Medical Exam Room Cabinet Combinations (12 35 70 19-0001)		
12 35 70 19-0031			Medical Exam Room Cabinet Combinations (Ritter®) (12 35 70 19-0030)		
			Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	3,004.31	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	
12 35 70 19-0033	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	3,097.23	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	
12 35 70 19-0034	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	3,761.13	218.59
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	758.84	
12 35 70 19-0035	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	3,894.56	218.59
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	758.84	
12 35 70 19-0036	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	3,478.48	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	
12 35 70 19-0037	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	3,573.79	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	
12 35 70 19-0038	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,518.85	218.59
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	758.84	
12 35 70 19-0039	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,609.39	218.59
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	758.84	
12 35 70 19-0040	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	3,950.26	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	
12 35 70 19-0041	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	4,050.34	172.57
			For Locks On Single Drawer And All Doors, Add	756.10	

12 Furnishings**12 30 Casework****12 35 Specialty Casework**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	4,993.02 758.84	218.59
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	5,090.71 758.84	218.59
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional) <i>For Locks On Single Drawer And All Doors, Add</i>	4,472.84 757.47	195.58
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional) <i>For Locks On Single Drawer And All Doors, Add</i>	4,563.38 757.47	195.58
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	5,513.21 760.21	241.60
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	5,620.43 760.21	241.60

12 36 Countertops (12 30)**12 36 23 Plastic Countertops** (12 36)**12 36 23 13 Plastic-Laminate-Clad Countertops** (12 36 23)

12 36 23 13-0001		Plastic Laminate Countertops (12 36 23 13) Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	17.84	11.50
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	23.80	11.50
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	31.97	3.45
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	95.87	

12 36 53 Laboratory Countertops (12 36)

12 36 53 00-0001		Epoxy Resin Laboratory Countertops (12 36 53) Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	61.58	5.76
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.62	5.76
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	77.70	5.76
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	23.34	3.45
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	31.56	3.45

12 36 53 00-0007 Epoxy Resin Laboratory Sinks (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008		Epoxy Resin Laboratory Undermount Sink (12 36 53 00-0007)		
12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	616.71	118.84
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	626.96	118.84
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	736.52	118.84
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	626.96	118.84
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	665.15	128.84
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	701.67	128.84
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,460.44	128.84
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	785.12	128.84
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	812.89	137.72
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,001.21	137.72
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,202.02	137.72
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,635.39	137.72
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,349.53	137.72
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,831.87	137.72
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,880.08	141.05

12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink (12 36 53 00-0007)

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	615.18	118.84
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	616.69	118.84
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	721.74	118.84
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	626.96	118.84
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	661.12	118.84
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	661.12	118.84
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	665.15	128.84
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	701.67	128.84
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	722.58	128.84
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	727.79	128.84
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	854.01	128.84



Furnishings			12
Casework			12 30
Countertops			12 36

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0036	EA		24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	881.78	137.72
12 36 53 00-0037	EA		25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	901.21	137.72
12 36 53 00-0038	EA		25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	907.81	137.72
12 36 53 00-0039	EA		30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink.....	1,344.46	137.72
12 36 53 00-0040	EA		10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink.....	625.23	117.73
12 36 53 00-0041	EA		12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink.....	642.93	117.73
12 36 53 00-0042			Epoxy Resin Laboratory ADA Drop-in Sink (12 36 53 00-0007)		
12 36 53 00-0043	EA		14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	621.41	117.73
12 36 53 00-0044	EA		14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	669.77	117.73
12 36 53 00-0045	EA		14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	694.48	117.73
12 36 53 00-0046	EA		25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink.....	907.81	137.72
12 36 53 00-0047			Epoxy Resin Laboratory Cup Sink (12 36 53 00-0007)		
12 36 53 00-0048	EA		6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink.....	401.96	95.51
12 36 53 00-0049			Polypropylene Laboratory Countertops (12 36 53)		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050	SF		3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	27.39	5.76
12 36 53 00-0051	SF		1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	30.41	5.76
12 36 53 00-0052	SF		1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	34.28	5.76
12 36 53 00-0053	LF		4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop.....	11.94	3.45
12 36 53 00-0054	LF		6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop.....	14.46	3.45
12 36 53 00-0055			Polypropylene Laboratory Sinks (12 36 53)		
			Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0056			Polypropylene Laboratory Undermount Sink (12 36 53 00-0055)		
12 36 53 00-0057	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	723.14	118.84
12 36 53 00-0058	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	765.54	118.84
12 36 53 00-0059	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink.....	755.12	118.84
12 36 53 00-0060	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink.....	793.30	128.84
12 36 53 00-0061	EA		16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink.....	995.66	128.84
12 36 53 00-0062	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,006.22	128.84
12 36 53 00-0063	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,006.22	128.84
12 36 53 00-0064	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,076.63	137.72
12 36 53 00-0065	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,130.13	137.72
12 36 53 00-0066	EA		23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,076.63	137.72
12 36 53 00-0067	EA		30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,715.73	137.72
12 36 53 00-0068	EA		31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,706.23	137.72
12 36 53 00-0069	EA		42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink.....	3,045.19	141.05
12 36 53 00-0070			Polypropylene Laboratory Drop-in Sink (12 36 53 00-0055)		
12 36 53 00-0071	EA		11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	616.68	118.84
12 36 53 00-0072	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,018.83	118.84
12 36 53 00-0073	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	659.03	118.84
12 36 53 00-0074	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink.....	648.63	118.84
12 36 53 00-0075	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	899.74	128.84
12 36 53 00-0076	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	686.79	128.84
12 36 53 00-0077	EA		18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	899.74	128.84
12 36 53 00-0078	EA		16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	878.33	128.84
12 36 53 00-0079	EA		18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	857.53	128.84
12 36 53 00-0080	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	899.74	128.84
12 36 53 00-0081	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	970.14	137.72
12 36 53 00-0082	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,023.62	137.72
12 36 53 00-0083	EA		31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,545.96	137.72
12 36 53 00-0084	EA		12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink.....	573.91	117.73
12 36 53 00-0085			Polypropylene Laboratory ADA Drop-in Sink (12 36 53 00-0055)		
12 36 53 00-0086	EA		16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	857.53	128.84
12 36 53 00-0087	EA		25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	999.66	137.72
12 36 53 00-0088			Polypropylene Laboratory Cup Sink (12 36 53 00-0055)		
12 36 53 00-0089	EA		6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink.....	440.39	117.73
12 36 53 00-0090			Phenolic Resin Laboratory Countertops (12 36 53)		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF		3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	50.40	5.76
12 36 53 00-0092	SF		1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	57.18	5.76
12 36 53 00-0093	SF		1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	61.91	5.76
12 36 53 00-0094	LF		4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	18.87	3.45
12 36 53 00-0095	LF		6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	24.78	3.45

12 Furnishings**12 30 Casework****12 36 Countertops**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST



Furnishings			12
Furnishings and Accessories			12 40
Countertops			12 36

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 40 Furnishings and Accessories ⁽¹²⁾

12 41 Office Accessories ^(12 40)

12 41 11 Office Accessories ^(12 41)

12 41 11 00-0001 Wall Mounted Office Accessories ^(12 41 11)

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	26.54	4.03
12 41 11 00-0003	EA	Wall Mounted Flag	19.50	4.03

12 41 11 00-0004 Desk Edge Mounted Clamps ^(12 41 11)

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels.....	42.83
Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.			
For >10 To 50, Deduct			-10.45
For >50, Deduct			-16.72

12 48 Rugs and Mats ^(12 40)

12 48 13 Entrance Floor Mats and Frames ^(12 48)

12 48 13 13 Entrance Floor Mats ^(12 48 13)

12 48 13 13-0001 Floor Mats ^(12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat.....	33.55	2.75
For Colors, Add			5.61	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat.....	42.18	2.75
For Colors, Add			7.33	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	35.71	2.75
For Colors, Add			6.04	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	44.34	2.75
For Colors, Add			7.77	

12 48 13 13-0006 Link Mats ^(12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	53.72	2.75
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods.....	35.17	2.75
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats.....	20.18	2.75
12 48 13 13-0010	SF	Vinyl Link Mats, Color	38.37	2.75
12 48 13 13-0011	LF	Rubber Nosing.....	4.92	1.21

12 48 13 13-0012 Duckboard ^(12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats.....	77.51	2.99
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base.....	15.55	2.99
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	16.96	2.99
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick.....	24.41	2.99
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom.....	21.86	2.99
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom.....	34.40	2.99

12 48 13 16 Entrance Floor Mat Frames ^(12 48 13)

12 48 13 16-0001 Recessed Frames ^(12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.91	4.60
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame.....	14.67	4.60

12 48 19 Entrance Floor Gratings ^(12 48)

12 48 19 00-0001 Stainless Steel Entrance Floor Grating And Frame ^(12 48 19)

12 48 19 00-0002	SF	18" x 18" Stainless Steel Grid Flooring, 3/4" High, C/S Floorometry 101 System.....	122.91	2.75

12 50 Furniture ⁽¹²⁾

12 55 Detention Furniture ^(12 50)

12 55 13 Detention Bunks ^(12 55)

12 55 13 00-0001 Wall Mounted Single Bunks ^(12 55 13)

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk.....	502.88	88.01
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk.....	571.67	88.01
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk.....	619.83	88.01

12 Furnishings**12 50 Furniture****12 55 Detention Furniture**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0005			Floor Supported Single Bunks (12 55 13) Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006	EA		27" Wide x 80" Long x 12" High Floor Mounted Bunk.....	502.88	88.01
12 55 13 00-0007	EA		32" Wide x 80" Long x 12" High Floor Mounted Bunk.....	571.67	88.01
12 55 13 00-0008	EA		38" Wide x 80" Long x 12" High Floor Mounted Bunk.....	619.83	88.01
12 55 13 00-0009	EA		Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	1,044.67	124.99
12 55 13 00-0010	EA		>20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	885.73	124.99
12 55 13 00-0011			Floor Mounted Single Bunks (12 55 13) Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012	EA		27" Wide x 80" Long x 16" High Floor Mounted Bunk.....	502.88	88.01
12 55 13 00-0013	EA		32" Wide x 80" Long x 16" High Floor Mounted Bunk.....	571.67	88.01
12 55 13 00-0014	EA		38" Wide x 80" Long x 16" High Floor Mounted Bunk.....	619.83	88.01
12 55 13 00-0015			Single Stackable Bunks (12 55 13) Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016	EA		26" Wide x 76" Long x 32" High Stackable Bunk.....	516.63	88.01
12 55 13 00-0017	EA		31" Wide x 76" Long x 32" High Stackable Bunk.....	537.27	88.01
12 55 13 00-0018			Double Bunks (12 55 13) Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019	EA		27" Wide x 80" Long x 52" High Double Bunk.....	905.53	117.34
12 55 13 00-0020	EA		32" Wide x 80" Long x 52" High Double Bunk.....	919.29	117.34
12 55 13 00-0021	EA		38" Wide x 80" Long x 52" High Double Bunk.....	977.77	117.34
12 55 13 00-0022	EA		Double Bunk Bed, 75" x 27", Up To 20.....	1,646.46	187.49
12 55 13 00-0023	EA		Double Bunk Bed, 75" x 27", Over 20.....	1,487.52	187.49
12 55 13 00-0024			Non-Removable Storage Drawers For Bunks/Beds (12 55 13) Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025	EA		16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer.....	222.16	44.00
12 55 13 00-0026	EA		24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer.....	365.63	46.93
12 55 13 00-0027			Expanded Metal Convertible Beds (12 55 13) Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028	EA		27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	518.18	88.01
12 55 13 00-0029	EA		32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	546.71	88.01
12 55 13 00-0030	EA		38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	575.22	88.01
12 55 13 00-0031	EA		Adapter Kit For Converting Single Bed To Double Deck.....	72.09	
12 55 16			Detention Desks (12 55)		
12 55 16 00-0001			Heavy-Duty Desk With Swing Arm Seat (12 55 16) Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002	EA		36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top.....	823.54	93.88
12 55 16 00-0003	EA		36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top.....	1,029.02	93.88
12 55 16 00-0004			Institutional Desk And Seat (12 55 16)		
12 55 16 00-0005	EA		Institutional Desk And Seat, Up To 20.....	1,362.53	124.99
12 55 16 00-0006	EA		Institutional Desk And Seat, Over 20.....	1,203.60	124.99
12 55 16 00-0007	EA		Institutional Desk, Up To 20.....	1,203.60	124.99
12 55 16 00-0008	EA		Institutional Desk, Over 20.....	1,044.67	124.99
12 55 19			Detention Stools (12 55)		
12 55 19 00-0001			Heavy-Duty Steel Bench (12 55 19) Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA		48" Long x 18" High x 12" Wide Steel Bench.....	481.44	70.41
12 55 19 00-0003	EA		72" Long x 18" High x 12" Wide Steel Bench.....	582.61	76.28
12 55 19 00-0004	EA		96" Long x 18" High x 12" Wide Steel Bench.....	645.83	82.14
12 55 19 00-0005			Stationary Stools (12 55 19) Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA		12" Diameter x 18" High, Stainless Steel Stationary Stool.....	366.15	70.41
12 55 19 00-0007	EA		Up To 20, 8" x 8" x 20" High, Floor Mounted Stool.....	363.94	50.00
12 55 19 00-0008	EA		>20, 8" x 8" x 20" High, Floor Mounted Stool.....	389.53	50.00
12 55 19 00-0009	EA		Up To 20, Wall Mounted Swivel Stool.....	506.43	62.49
12 55 19 00-0010	EA		>20, Wall Mounted Swivel Stool.....	411.07	62.49



Furnishings			12
Furniture			12 50
Detention Furniture			12 55

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 19 00-0011 Cell Bench (12 55 19)					
Note: 1-3/4" Thick red oak bench top, polyurethane finish.					
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak.....		426.17	70.52
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak.....		512.81	76.28
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak.....		567.66	82.14
12 55 23 Detention Tables (12 55)					
12 55 23 00-0001 Wall Mounted Table And Seat Set (12 55 23)					
Note: 7 Gauge steel, painted.					
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set		228.02	49.87
12 55 23 00-0003 Heavy-Duty Picnic Style Table (12 55 23)					
Note: 10 Gauge steel, painted.					
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table		1,294.04	88.01
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table		1,649.74	93.88
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table		1,839.36	102.68
12 55 23 00-0007 Heavy-Duty Picnic Style Table (12 55 23)					
Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.					
12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....		2,240.00	88.01
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table		3,197.67	93.88
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....		3,387.29	102.68
12 55 23 00-0011 Heavy-Duty Pedestal Style Table (12 55 23)					
Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.					
12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table		1,144.23	73.34
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table		1,861.12	79.21
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table		2,755.97	88.01
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat.....		88.93	11.73
12 55 23 00-0016 Heavy-Duty Pedestal Style Table (12 55 23)					
Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.					
12 55 23 00-0017	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table		1,436.62	73.34
12 55 23 00-0018	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table		2,480.30	79.21
12 55 23 00-0019	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table		3,598.74	88.01
12 55 23 00-0020	EA	12" Diameter Gray-Primed Steel Replacement Seats		63.24	11.73
12 55 23 00-0021	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....		2,188.45	143.74
12 55 23 00-0022	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20		1,870.58	143.74
12 55 23 00-0023	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....		2,849.19	156.24
12 55 23 00-0024	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....		2,531.32	156.24
12 55 23 00-0025	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20		4,145.67	168.74
12 55 23 00-0026	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20		3,509.93	168.74
12 55 26 Detention Safety Clothes Hooks (12 55)					
12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type.....		74.75	24.43
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type.....		69.82	23.47
12 55 26 00-0003	EA	8" x 18" Storage Shelf.....		327.34	46.93
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.					
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20		417.86	50.00
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20		338.39	50.00
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20		167.50	28.12
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20		199.13	28.12
12 55 26 00-0008	EA	Adjustable, Auto-Release Clothes/Towel Hook (Whitehall WH1830A-SLPT).....		239.16	24.43
12 55 26 00-0009	EA	19" Overall Length, 8" Overall Height, 4" Overall Depth, Enviro-Glaze, Recessed Shelf (Whitehall WH1820-FA).....		435.28	54.98
12 55 86 Detention Control Room Furniture (12 55)					
12 55 86 00-0001	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount		266.17	91.64
12 55 86 00-0002	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf		823.23	93.75
12 55 86 00-0003	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf		743.76	93.75
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates.....		1,982.21	37.50
Note: Includes neoprene gaskets, baffle, wire cloth and security screws.					
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks		857.17	31.25
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench		418.94	18.75
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench.....		508.05	15.63
12 56 Institutional Furniture (12 56)					
12 56 39 Lecterns (12 56 39)					
12 56 39 00-0001 Lectern (12 56 39)					
12 56 39 00-0002	EA	CON 1500-32 Van Oak Lectern.....		6,519.37	52.31

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 56 53 Laboratory Furniture (12 56)

12 56 53 00-0001 Steel Laboratory Furniture (12 56 53)

12 56 53 00-0002 Modular Steel Laboratory Cabinets (12 56 53 00-0001)

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,319.77	99.44
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,317.01	99.44
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,440.32	108.53
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,365.59	108.53
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,626.12	122.46
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,678.23	126.48
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,850.95	139.49
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,922.66	144.90
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,867.25	140.64
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,873.77	141.22
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,981.30	149.28
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,938.90	146.06
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,590.74	195.19
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,639.26	198.88
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,913.28	219.49
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,959.18	222.93
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,711.45	204.28
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	3,017.46	227.42
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,923.36	227.42
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,739.86	206.02
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,714.96	206.02
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,932.85	220.98
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,910.78	220.63
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,186.37	239.85
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,281.46	247.22
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,590.87	270.47
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,675.31	276.91
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,066.49	230.99
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,883.99	217.29
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,258.72	245.49
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,099.04	233.52
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,477.25	261.95
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,477.25	261.95
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,805.86	286.70
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,669.34	276.46
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,262.42	321.11
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,279.03	321.23
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,647.00	350.11
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,692.63	353.56
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,217.25	393.05
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,380.23	405.36
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,091.70	405.13
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,702.65	429.64
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,572.38	419.85
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,476.60	186.57
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,407.41	187.03
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,584.14	194.62
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,514.95	194.62
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet.....	3,470.47	261.49
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	3,001.25	226.04

12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,381.69	104.16
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,373.39	104.16
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,459.93	110.03
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,411.03	106.46
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,671.73	126.02
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,753.19	131.78
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,870.51	140.99
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,942.20	146.74
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,958.50	147.31
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,958.50	147.31
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,079.06	156.53
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,050.78	158.83
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,714.50	204.28
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,786.19	209.47
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,994.80	225.58
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	3,063.20	230.76
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	3,017.60	227.31



Furnishings			12
Furniture			12 50
Institutional Furniture			12 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0072	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	3,102.33	233.64
12 56 53 00-0073	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,310.66	249.17
12 56 53 00-0074	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,577.77	269.32
12 56 53 00-0075	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,553.16	269.32
12 56 53 00-0076	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,255.45	244.57
12 56 53 00-0077	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	1,715.25	245.72
12 56 53 00-0078	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,421.65	257.81
12 56 53 00-0079	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,363.52	257.81
12 56 53 00-0080	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,770.31	284.05
12 56 53 00-0081	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,920.27	295.32
12 56 53 00-0082	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	4,164.00	313.75
12 56 53 00-0083	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	4,262.42	321.11
12 56 53 00-0084	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,470.75	261.26
12 56 53 00-0085	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,708.35	279.10
12 56 53 00-0086	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,731.00	280.83
12 56 53 00-0087	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,874.56	291.76
12 56 53 00-0088	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,474.23	337.22
12 56 53 00-0089	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,627.35	348.73
12 56 53 00-0090	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,858.62	365.99
12 56 53 00-0091	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,862.12	365.99
12 56 53 00-0092	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,435.59	409.73
12 56 53 00-0093	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,480.92	412.61
12 56 53 00-0094	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,592.43	421.23
12 56 53 00-0095	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,897.89	444.83
12 56 53 00-0096	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,916.97	445.98
12 56 53 00-0097	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,002.65	452.20
12 56 53 00-0098	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,286.02	473.60
12 56 53 00-0099	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,406.54	482.69
12 56 53 00-0100	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,569.49	494.90
12 56 53 00-0101	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,749.00	508.48
12 56 53 00-0102	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,528.85	190.48
12 56 53 00-0103	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,574.27	193.94
12 56 53 00-0104	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,584.14	194.51
12 56 53 00-0105	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,642.58	199.11
12 56 53 00-0106	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,477.25	261.95
12 56 53 00-0107	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,581.55	269.77
12 56 53 00-0108	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,835.37	289.00
12 56 53 00-0109	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,890.66	292.91
12 56 53 00-0110	EA		32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet.....	3,607.77	271.61
12 56 53 00-0111	EA		32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	3,347.23	252.05
12 56 53 00-0112	EA		15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,775.98	133.85
12 56 53 00-0113	EA		18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,798.81	135.46
12 56 53 00-0114	EA		21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,873.77	140.99
12 56 53 00-0115	EA		24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,880.28	141.57
12 56 53 00-0116	EA		30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,460.36	185.42
12 56 53 00-0117	EA		36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,515.76	189.56
12 56 53 00-0118	EA		42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,681.89	201.99
12 56 53 00-0119	EA		48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,691.67	202.79
12 56 53 00-0120	EA		52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,108.79	234.21
12 56 53 00-0121	EA		58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,421.65	257.81
12 56 53 00-0122	EA		60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,578.07	269.55
12 56 53 00-0123			25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)		
12 56 53 00-0124	EA		15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,313.26	98.98
12 56 53 00-0125	EA		18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,355.62	102.09
12 56 53 00-0126	EA		21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,365.39	102.90
12 56 53 00-0127	EA		24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,401.25	105.53
12 56 53 00-0128	EA		30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,466.43	110.49
12 56 53 00-0129	EA		36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,499.02	112.90
12 56 53 00-0130	EA		42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,632.60	123.03
12 56 53 00-0131	EA		48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,652.17	124.41
12 56 53 00-0132	EA		15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,942.20	146.29
12 56 53 00-0133	EA		18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,991.07	149.96
12 56 53 00-0134	EA		21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,036.70	153.41
12 56 53 00-0135	EA		24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,079.06	156.64
12 56 53 00-0136	EA		30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,528.80	190.48
12 56 53 00-0137	EA		36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,561.38	193.01
12 56 53 00-0138	EA		42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,792.71	210.39
12 56 53 00-0139	EA		48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,802.49	211.19
12 56 53 00-0140	EA		15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,271.31	171.14
12 56 53 00-0141	EA		18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,346.27	176.78
12 56 53 00-0142	EA		21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,385.35	179.66
12 56 53 00-0143	EA		24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,427.73	182.88
12 56 53 00-0144	EA		30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,402.10	256.31
12 56 53 00-0145	EA		36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,470.56	261.49
12 56 53 00-0146	EA		42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,672.54	276.68
12 56 53 00-0147	EA		48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,737.74	281.63
12 56 53 00-0148	EA		25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,108.79	234.21

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0149 EA 28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,441.22	259.30
12 56 53 00-0150 EA 30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,625.45	190.48
12 56 53 00-0151 EA 36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,659.27	193.01
12 56 53 00-0152 EA 42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,899.44	210.39
12 56 53 00-0153 EA 48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,909.60	211.08
12 56 53 00-0154 EA 30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,532.13	256.31
12 56 53 00-0155 EA 36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,603.20	261.49
12 56 53 00-0156 EA 42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,812.90	276.68
12 56 53 00-0157 EA 48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,880.60	281.63

12 56 53 00-0158 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0159 EA 15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,433.83	108.18
12 56 53 00-0160 EA 18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,476.20	111.06
12 56 53 00-0161 EA 21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,482.72	111.64
12 56 53 00-0162 EA 24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,499.02	112.79
12 56 53 00-0163 EA 30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,593.52	120.27
12 56 53 00-0164 EA 36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,639.14	123.15
12 56 53 00-0165 EA 42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,945.45	146.74
12 56 53 00-0166 EA 48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,987.83	149.62
12 56 53 00-0167 EA 15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,023.68	152.50
12 56 53 00-0168 EA 18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,075.78	156.53
12 56 53 00-0169 EA 21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,111.67	159.40
12 56 53 00-0170 EA 24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,212.69	166.31
12 56 53 00-0171 EA 30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,734.09	206.02
12 56 53 00-0172 EA 36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,773.17	208.90
12 56 53 00-0173 EA 42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,082.70	232.48
12 56 53 00-0174 EA 48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,144.62	237.09
12 56 53 00-0175 EA 15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,408.18	181.27
12 56 53 00-0176 EA 18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,479.91	186.45
12 56 53 00-0177 EA 21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,515.71	189.32
12 56 53 00-0178 EA 24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,580.91	194.51
12 56 53 00-0179 EA 30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,512.90	264.13
12 56 53 00-0180 EA 36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,613.93	272.20
12 56 53 00-0181 EA 42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	4,210.21	317.08
12 56 53 00-0182 EA 48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	4,011.75	281.40
12 56 53 00-0183 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,441.13	259.53
12 56 53 00-0184 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	4,096.19	309.02
12 56 53 00-0185 EA 30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,838.58	206.02
12 56 53 00-0186 EA 36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,879.16	208.90
12 56 53 00-0187 EA 42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,200.53	232.26
12 56 53 00-0188 EA 48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,264.81	236.86
12 56 53 00-0189 EA 30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,647.16	264.71
12 56 53 00-0190 EA 36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,752.05	272.31
12 56 53 00-0191 EA 42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	4,371.13	317.20
12 56 53 00-0192 EA 48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	4,166.93	281.63

12 56 53 00-0193 Wood Laboratory Furniture (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

12 56 53 00-0194 Wood Laboratory Cabinets (12 56 53 00-0193)**12 56 53 00-0195 28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0194)**

12 56 53 00-0196 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	972.98	90.93
12 56 53 00-0197 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,004.54	93.80
12 56 53 00-0198 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,036.08	96.68
12 56 53 00-0199 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,067.63	100.13
12 56 53 00-0200 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,186.01	111.06
12 56 53 00-0201 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,264.90	117.97
12 56 53 00-0202 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,322.75	123.15
12 56 53 00-0203 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,393.77	130.06
12 56 53 00-0204 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,183.38	110.49
12 56 53 00-0205 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,225.45	114.51
12 56 53 00-0206 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,251.75	116.82
12 56 53 00-0207 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,285.90	120.27
12 56 53 00-0208 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,654.14	154.22
12 56 53 00-0209 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,756.41	164.01
12 56 53 00-0210 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,814.49	169.19
12 56 53 00-0211 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,885.72	176.10
12 56 53 00-0212 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,738.08	162.28
12 56 53 00-0213 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,798.93	168.03
12 56 53 00-0214 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,846.08	172.64
12 56 53 00-0215 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,909.24	177.82
12 56 53 00-0216 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,767.17	164.58
12 56 53 00-0217 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,838.19	172.06
12 56 53 00-0218 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,890.78	176.67



Furnishings			12
Furniture			12 50
Institutional Furniture			12 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0219	EA	24"	Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,951.27	182.42
12 56 53 00-0220	EA	30"	Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	2,763.90	257.81
12 56 53 00-0221	EA	36"	Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	2,929.43	273.35
12 56 53 00-0222	EA	42"	Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	2,989.87	279.10
12 56 53 00-0223	EA	48"	Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	3,108.30	290.04
12 56 53 00-0224	EA	30"	Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,166.20	295.21
12 56 53 00-0225	EA	36"	Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,313.42	309.60
12 56 53 00-0226	EA	42"	Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,410.62	318.81
12 56 53 00-0227	EA	48"	Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,529.03	329.74
12 56 53 00-0228	EA	15"	Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,309.58	122.57
12 56 53 00-0229	EA	18"	Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,356.92	127.18
12 56 53 00-0230	EA	21"	Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,385.85	129.47
12 56 53 00-0231	EA	24"	Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,425.30	132.93
12 56 53 00-0232	EA	30"	Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,114.27	197.39
12 56 53 00-0233	EA	36"	Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,211.59	206.48
12 56 53 00-0234	EA	42"	Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,274.68	212.35
12 56 53 00-0235	EA	48"	Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,356.24	219.94
12 56 53 00-0236	EA	35"	Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	2,761.20	257.81
12 56 53 00-0237	EA	35"	Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	3,060.93	286.00
12 56 53 00-0238	EA	15"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,078.17	100.70
12 56 53 00-0239	EA	18"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,112.36	103.81
12 56 53 00-0240	EA	21"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,133.39	105.77
12 56 53 00-0241	EA	24"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,159.69	108.30
12 56 53 00-0242	EA	30"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,485.78	138.69
12 56 53 00-0243	EA	36"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,562.03	145.82
12 56 53 00-0244	EA	42"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,606.75	149.96
12 56 53 00-0245	EA	48"	Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,654.07	154.45
12 56 53 00-0246	35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0194)				
12 56 53 00-0247	EA	24"	Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,704.67	159.12
12 56 53 00-0248	EA	30"	Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,207.92	205.75
12 56 53 00-0249	EA	36"	Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,223.35	207.54
12 56 53 00-0250	EA	48"	Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,564.29	239.37
12 56 53 00-0251	EA	24"	Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	2,794.52	260.85
12 56 53 00-0252	EA	30"	Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	3,135.40	292.69
12 56 53 00-0253	EA	36"	Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	3,354.00	313.08
12 56 53 00-0254	EA	48"	Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	3,971.73	370.75
12 56 53 00-0255	EA	24"	Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,054.35	191.29
12 56 53 00-0256	EA	30"	Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,829.44	264.11
12 56 53 00-0257	EA	36"	Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,943.10	274.73
12 56 53 00-0258	EA	48"	Wide Base Cabinet With Combination Door/Drawer	3,289.88	307.10
12 56 53 00-0259	30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets (12 56 53 00-0194)				
12 56 53 00-0260	EA	15"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,157.07	108.18
	For 36" Height Cabinet, Add			174.09	
12 56 53 00-0261	EA	18"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,201.78	111.64
	For 36" Height Cabinet, Add			180.82	
12 56 53 00-0262	EA	21"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,233.34	115.09
	For 36" Height Cabinet, Add			185.57	
12 56 53 00-0263	EA	24"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,125.51	104.73
	For 36" Height Cabinet, Add			169.34	
12 56 53 00-0264	EA	30"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,293.83	120.85
	For 36" Height Cabinet, Add			194.67	
12 56 53 00-0265	EA	36"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,401.65	130.63
	For 36" Height Cabinet, Add			210.89	
12 56 53 00-0266	EA	42"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,464.75	136.96
	For 36" Height Cabinet, Add			220.38	
12 56 53 00-0267	EA	48"	Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,551.55	144.44
	For 36" Height Cabinet, Add			233.44	
12 56 53 00-0268	EA	15"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,270.16	118.54
	For 36" Height Cabinet, Add			191.11	
12 56 53 00-0269	EA	18"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,328.01	124.30
	For 36" Height Cabinet, Add			199.81	
12 56 53 00-0270	EA	21"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,710.00	1,300.55
	For 36" Height Cabinet, Add			20.93	
12 56 53 00-0271	EA	24"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,427.93	132.93
	For 36" Height Cabinet, Add			214.84	
12 56 53 00-0272	EA	30"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,867.12	174.36
	For 36" Height Cabinet, Add			280.92	
12 56 53 00-0273	EA	36"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,011.74	187.60
	For 36" Height Cabinet, Add			302.68	
12 56 53 00-0274	EA	42"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,103.77	196.80
	For 36" Height Cabinet, Add			316.53	
12 56 53 00-0275	EA	48"	Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,214.20	206.59
	For 36" Height Cabinet, Add			333.15	
12 56 53 00-0276	EA	15"	Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,422.67	132.93
	For 36" Height Cabinet, Add			214.05	
12 56 53 00-0277	EA	18"	Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,477.90	138.11
	For 36" Height Cabinet, Add			222.36	

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,519.96	141.57
		<i>For 36" Height Cabinet, Add</i>	228.69	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,577.83	147.31
		<i>For 36" Height Cabinet, Add</i>	237.40	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,174.76	203.14
		<i>For 36" Height Cabinet, Add</i>	327.21	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,314.17	215.80
		<i>For 36" Height Cabinet, Add</i>	348.18	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,377.21	222.12
		<i>For 36" Height Cabinet, Add</i>	357.68	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,521.87	235.36
		<i>For 36" Height Cabinet, Add</i>	379.44	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,946.04	181.27
		<i>For 36" Height Cabinet, Add</i>	292.79	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,100.89	196.23
		<i>For 36" Height Cabinet, Add</i>	316.13	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,243.02	209.47
		<i>For 36" Height Cabinet, Add</i>	337.50	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,400.82	224.43
		<i>For 36" Height Cabinet, Add</i>	361.24	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,351.22	219.25
		<i>For 36" Height Cabinet, Add</i>	353.72	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,498.42	233.07
		<i>For 36" Height Cabinet, Add</i>	375.88	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,577.09	240.55
		<i>For 36" Height Cabinet, Add</i>	387.75	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,719.07	253.78
		<i>For 36" Height Cabinet, Add</i>	409.11	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,866.61	267.59
		<i>For 36" Height Cabinet, Add</i>	431.27	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,984.62	279.10
		<i>For 36" Height Cabinet, Add</i>	449.08	
12 56 53 00-0294		30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets (12 56 53 00-0194)		
12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,430.57	133.51
		<i>For 36" Height Cabinet, Add</i>	215.24	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,567.31	146.17
		<i>For 36" Height Cabinet, Add</i>	235.81	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,643.57	153.65
		<i>For 36" Height Cabinet, Add</i>	247.29	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,746.14	162.28
		<i>For 36" Height Cabinet, Add</i>	262.72	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,330.64	124.30
		<i>For 36" Height Cabinet, Add</i>	200.21	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,401.65	131.21
		<i>For 36" Height Cabinet, Add</i>	210.89	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,443.66	135.23
		<i>For 36" Height Cabinet, Add</i>	217.22	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,504.19	139.83
		<i>For 36" Height Cabinet, Add</i>	226.32	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,974.96	184.15
		<i>For 36" Height Cabinet, Add</i>	297.14	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,143.23	199.68
		<i>For 36" Height Cabinet, Add</i>	322.46	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,237.89	209.47
		<i>For 36" Height Cabinet, Add</i>	336.71	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,364.08	220.40
		<i>For 36" Height Cabinet, Add</i>	355.70	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,488.41	139.26
		<i>For 36" Height Cabinet, Add</i>	223.94	
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,533.14	143.29
		<i>For 36" Height Cabinet, Add</i>	230.67	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,583.06	147.31
		<i>For 36" Height Cabinet, Add</i>	238.19	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,664.60	155.38
		<i>For 36" Height Cabinet, Add</i>	250.45	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,269.47	211.77
		<i>For 36" Height Cabinet, Add</i>	341.46	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,448.29	228.46
		<i>For 36" Height Cabinet, Add</i>	368.36	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,524.47	235.94
		<i>For 36" Height Cabinet, Add</i>	379.83	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,687.56	250.91
		<i>For 36" Height Cabinet, Add</i>	404.37	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,038.09	189.90
		<i>For 36" Height Cabinet, Add</i>	306.64	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,253.42	210.62
		<i>For 36" Height Cabinet, Add</i>	339.08	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,366.62	220.98
		<i>For 36" Height Cabinet, Add</i>	356.10	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,529.91	236.52
		<i>For 36" Height Cabinet, Add</i>	380.63	



Furnishings			12
Furniture			12 50
Institutional Furniture			12 56

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,456.47	229.03	
		For 36" Height Cabinet, Add	369.55		
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,611.50	243.42	
		For 36" Height Cabinet, Add	392.89		
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,716.49	253.78	
		For 36" Height Cabinet, Add	408.72		
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,863.68	267.01	
		For 36" Height Cabinet, Add	430.88		
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet.....	3,000.71	280.25	
		For 36" Height Cabinet, Add	451.45		
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet.....	3,097.64	289.45	
		For 36" Height Cabinet, Add	466.09		
12 56 53 00-0325		Wood Laboratory Pegboard (12 56 53 00-0193)			
12 56 53 00-0326	EA	3/4" Thick x 32" Long x 29" High Laboratory Pegboard.....	1,928.31	185.36	
		Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting			
12 56 53 00-0327		Plastic Laminate Laboratory Furniture (12 56 53)			
12 56 53 00-0328		Plastic Laminate Laboratory Cabinets (12 56 53 00-0327)			
12 56 53 00-0329		28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet (12 56 53 00-0328)			
12 56 53 00-0330	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,000.90	90.81	
12 56 53 00-0331	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,033.36	93.80	
12 56 53 00-0332	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,065.81	96.68	
12 56 53 00-0333	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,098.26	99.67	
12 56 53 00-0334	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,220.04	110.72	
12 56 53 00-0335	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,301.20	118.09	
12 56 53 00-0336	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,360.71	123.49	
12 56 53 00-0337	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,433.76	130.17	
12 56 53 00-0338	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,217.34	110.49	
12 56 53 00-0339	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,260.61	114.40	
12 56 53 00-0340	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,287.66	116.82	
12 56 53 00-0341	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,322.80	120.04	
12 56 53 00-0342	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,701.60	154.45	
12 56 53 00-0343	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,806.81	163.89	
12 56 53 00-0344	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,866.56	169.41	
12 56 53 00-0345	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,939.82	176.10	
12 56 53 00-0346	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,787.96	162.16	
12 56 53 00-0347	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,850.54	168.03	
12 56 53 00-0348	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,899.06	172.41	
12 56 53 00-0349	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,964.03	178.28	
12 56 53 00-0350	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,817.88	164.93	
12 56 53 00-0351	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,890.93	171.61	
12 56 53 00-0352	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,945.04	176.55	
12 56 53 00-0353	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,007.26	182.19	
12 56 53 00-0354	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,465.19	110.49	
12 56 53 00-0355	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,518.62	114.51	
12 56 53 00-0356	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,551.09	116.82	
12 56 53 00-0357	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,593.32	120.27	
12 56 53 00-0358	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,301.81	208.90	
12 56 53 00-0359	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,472.56	224.43	
12 56 53 00-0360	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,534.17	230.19	
12 56 53 00-0361	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,656.27	241.12	
12 56 53 00-0362	EA	15" Wide Cabinet, 1 Drawer Over Cupboard.....	1,347.16	122.23	
12 56 53 00-0363	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets.....	1,395.86	126.72	
12 56 53 00-0364	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,425.62	129.36	
12 56 53 00-0365	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,466.20	133.05	
12 56 53 00-0366	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,174.94	197.39	
12 56 53 00-0367	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,275.05	206.48	
12 56 53 00-0368	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,339.96	212.35	
12 56 53 00-0369	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,423.85	219.94	
12 56 53 00-0370	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet.....	2,840.52	257.81	
12 56 53 00-0371	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet.....	3,148.76	285.78	
12 56 53 00-0372	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,109.11	100.70	
12 56 53 00-0373	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,144.28	103.81	
12 56 53 00-0374	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,165.92	105.77	
12 56 53 00-0375	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,192.97	108.30	
12 56 53 00-0376	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,528.42	138.69	
12 56 53 00-0377	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,606.86	145.82	
12 56 53 00-0378	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,652.86	149.96	
12 56 53 00-0379	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,701.53	154.45	
12 56 53 00-0380		30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0328)			
12 56 53 00-0381	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,190.27	108.07	
		For 36" Height Cabinet, Add	180.23		

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0382	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,236.26	112.22
		<i>For 36" Height Cabinet, Add</i>	187.20	
12 56 53 00-0383	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,268.72	115.09
		<i>For 36" Height Cabinet, Add</i>	192.11	
12 56 53 00-0384	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,157.80	105.08
		<i>For 36" Height Cabinet, Add</i>	175.32	
12 56 53 00-0385	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,330.95	120.85
		<i>For 36" Height Cabinet, Add</i>	201.53	
12 56 53 00-0386	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,441.87	130.86
		<i>For 36" Height Cabinet, Add</i>	218.33	
12 56 53 00-0387	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,506.78	136.73
		<i>For 36" Height Cabinet, Add</i>	228.16	
12 56 53 00-0388	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,596.07	144.90
		<i>For 36" Height Cabinet, Add</i>	241.68	
12 56 53 00-0389	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,306.60	118.54
		<i>For 36" Height Cabinet, Add</i>	197.85	
12 56 53 00-0390	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,366.12	123.96
		<i>For 36" Height Cabinet, Add</i>	206.86	
12 56 53 00-0391	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,713.99	1,298.47
		<i>For 36" Height Cabinet, Add</i>	21.67	
12 56 53 00-0392	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,468.90	133.28
		<i>For 36" Height Cabinet, Add</i>	222.42	
12 56 53 00-0393	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,920.70	174.36
		<i>For 36" Height Cabinet, Add</i>	290.83	
12 56 53 00-0394	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,069.47	187.83
		<i>For 36" Height Cabinet, Add</i>	313.36	
12 56 53 00-0395	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,164.13	196.35
		<i>For 36" Height Cabinet, Add</i>	327.70	
12 56 53 00-0396	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,277.74	206.71
		<i>For 36" Height Cabinet, Add</i>	344.90	
12 56 53 00-0397	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,463.50	132.82
		<i>For 36" Height Cabinet, Add</i>	221.61	
12 56 53 00-0398	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,520.30	137.99
		<i>For 36" Height Cabinet, Add</i>	230.21	
12 56 53 00-0399	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,563.58	141.91
		<i>For 36" Height Cabinet, Add</i>	236.76	
12 56 53 00-0400	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,623.10	147.31
		<i>For 36" Height Cabinet, Add</i>	245.77	
12 56 53 00-0401	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,237.17	203.03
		<i>For 36" Height Cabinet, Add</i>	338.76	
12 56 53 00-0402	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,380.57	216.03
		<i>For 36" Height Cabinet, Add</i>	360.47	
12 56 53 00-0403	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,445.43	221.90
		<i>For 36" Height Cabinet, Add</i>	370.30	
12 56 53 00-0404	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,594.24	235.48
		<i>For 36" Height Cabinet, Add</i>	392.83	
12 56 53 00-0405	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,001.87	181.73
		<i>For 36" Height Cabinet, Add</i>	303.12	
12 56 53 00-0406	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,161.18	196.00
		<i>For 36" Height Cabinet, Add</i>	327.29	
12 56 53 00-0407	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,307.39	209.35
		<i>For 36" Height Cabinet, Add</i>	349.41	
12 56 53 00-0408	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,469.72	224.32
		<i>For 36" Height Cabinet, Add</i>	373.98	
12 56 53 00-0409	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,418.68	219.60
		<i>For 36" Height Cabinet, Add</i>	366.20	
12 56 53 00-0410	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,570.10	233.29
		<i>For 36" Height Cabinet, Add</i>	389.14	
12 56 53 00-0411	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,651.03	240.55
		<i>For 36" Height Cabinet, Add</i>	401.43	
12 56 53 00-0412	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,797.09	253.78
		<i>For 36" Height Cabinet, Add</i>	423.55	
12 56 53 00-0413		30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0328)		
12 56 53 00-0414	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,368.82	124.19
		<i>For 36" Height Cabinet, Add</i>	207.27	
12 56 53 00-0415	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,441.87	130.86
		<i>For 36" Height Cabinet, Add</i>	218.33	
12 56 53 00-0416	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,485.09	134.77
		<i>For 36" Height Cabinet, Add</i>	224.88	
12 56 53 00-0417	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,547.35	140.41
		<i>For 36" Height Cabinet, Add</i>	234.30	
12 56 53 00-0418	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,031.63	184.38
		<i>For 36" Height Cabinet, Add</i>	307.63	
12 56 53 00-0419	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,204.73	200.15
		<i>For 36" Height Cabinet, Add</i>	333.84	
12 56 53 00-0420	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,302.11	208.90
		<i>For 36" Height Cabinet, Add</i>	348.59	
12 56 53 00-0421	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,431.92	220.63
		<i>For 36" Height Cabinet, Add</i>	368.25	
12 56 53 00-0422	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,531.12	138.92
		<i>For 36" Height Cabinet, Add</i>	231.85	



Furnishings			12
Furniture			12 50
Institutional Furniture			12 56

12

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0423	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,577.13 238.81	143.18
12 56 53 00-0424	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,628.49 246.59	147.78
12 56 53 00-0425	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,712.37 259.29	155.38
12 56 53 00-0426	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,334.59 353.50	211.89
12 56 53 00-0427	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,518.54 381.36	228.58
12 56 53 00-0428	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,596.91 393.24	235.59
12 56 53 00-0429	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,764.68 418.63	250.91
12 56 53 00-0430	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,096.57 317.46	190.25
12 56 53 00-0431	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,318.08 351.04	210.27
12 56 53 00-0432	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,434.53 368.66	220.87
12 56 53 00-0433	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,602.50 394.06	236.29
12 56 53 00-0434	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,526.94 382.59	229.49
12 56 53 00-0435	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,686.43 406.75	243.88
12 56 53 00-0436	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,794.44 423.14	253.55
12 56 53 00-0437	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,945.85 446.08	267.36
12 56 53 00-0438		Laboratory Furniture Accessories (12 56 53)		
12 56 53 00-0439		Laboratory Base Cabinet Accessories (12 56 53 00-0438)		
12 56 53 00-0440		Cantilever Table Frames On Wall Rail System (12 56 53 00-0439)		
12 56 53 00-0441	EA	29" x 48" Cantilever Table Frame On Wall Rail System Note: Model #CEX80900 as manufactured by Fisher Hamilton or equal.	1,602.72	86.32
12 56 53 00-0442		Base Cabinet Trim (12 56 53 00-0439)		
12 56 53 00-0443	LF	4" High Cabinet Toe Board Trim.....	13.09	
12 56 53 00-0444		Laboratory Pegboards (12 56 53 00-0438)		
12 56 53 00-0445		Stainless Steel Laboratory Pegboards (12 56 53 00-0444)		
12 56 53 00-0446	EA	24" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020004).....	1,713.91	71.93
12 56 53 00-0447	EA	30" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020005).....	1,927.22	71.93
12 56 53 00-0448	EA	24" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020006).....	2,451.34	71.93
12 56 53 00-0449	EA	30" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020007).....	2,664.65	71.93
12 56 53 00-0450	EA	24" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020008)	1,306.77	71.93
12 56 53 00-0451	EA	30" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020009)	1,463.89	71.93
12 56 53 00-0452	EA	24" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020010).....	2,047.64	71.93
12 56 53 00-0453	EA	30" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020011).....	2,197.88	71.93
12 56 53 00-0454		Black Kemresin Laboratory Pegboards (12 56 53 00-0444)		
12 56 53 00-0455	EA	20" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With (32) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020014).....	827.39	71.93
12 56 53 00-0456	EA	32" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With (53) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020015).....	1,263.19	71.93
12 56 53 00-0457	EA	20" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With Drip Trough And (32) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020016).....	978.77	71.93
12 56 53 00-0458	EA	32" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With Drip Trough And (53) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020017).....	1,485.68	71.93
12 56 53 00-0459		Television Mounts (12 56 53 00-0438)		
12 56 53 00-0460	EA	Tilt Television Wall Mount For 42" To 90" TVs (Sanus BLT2-B1)	326.14	27.54

12 59 Systems Furniture (12 50)

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 Panel-Hung Component System Furniture (12 59)				
12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)				
Note: Excludes electrical wire and wiring devices.				
12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture.....	324.10	28.78
		For Tackable Acoustical Barrier Panel, Add	58.01	
		For Acoustical Panel, Add	63.06	
		For Enameled Surface, Deduct	-25.22	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture.....	360.21	32.02
		For Tackable Acoustical Barrier Panel, Add	64.47	
		For Acoustical Panel, Add	70.08	
		For Enameled Surface, Deduct	-28.03	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture.....	385.15	34.10
		For Tackable Acoustical Barrier Panel, Add	68.94	
		For Acoustical Panel, Add	74.93	
		For Enameled Surface, Deduct	-29.97	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture.....	431.57	38.30
		For Tackable Acoustical Barrier Panel, Add	77.25	
		For Acoustical Panel, Add	83.97	
		For Enameled Surface, Deduct	-33.59	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture.....	329.25	29.19
		For Tackable Acoustical Barrier Panel, Add	58.93	
		For Acoustical Panel, Add	64.06	
		For Enameled Surface, Deduct	-25.62	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture.....	372.22	32.96
		For Tackable Acoustical Barrier Panel, Add	66.63	
		For Acoustical Panel, Add	72.42	
		For Enameled Surface, Deduct	-28.97	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture.....	416.93	37.04
		For Tackable Acoustical Barrier Panel, Add	74.63	
		For Acoustical Panel, Add	81.12	
		For Enameled Surface, Deduct	-32.45	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture.....	490.02	43.42
		For Tackable Acoustical Barrier Panel, Add	87.71	
		For Acoustical Panel, Add	95.34	
		For Enameled Surface, Deduct	-38.14	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture.....	317.21	28.14
		For Tackable Acoustical Barrier Panel, Add	56.78	
		For Acoustical Panel, Add	61.72	
		For Enameled Surface, Deduct	-24.69	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture.....	390.30	34.63
		For Tackable Acoustical Barrier Panel, Add	69.86	
		For Acoustical Panel, Add	75.94	
		For Enameled Surface, Deduct	-30.38	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture.....	488.33	43.31
		For Tackable Acoustical Barrier Panel, Add	87.40	
		For Acoustical Panel, Add	95.01	
		For Enameled Surface, Deduct	-38.00	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture.....	584.56	51.79
		For Tackable Acoustical Barrier Panel, Add	104.64	
		For Acoustical Panel, Add	113.74	
		For Enameled Surface, Deduct	-45.50	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	17.69	1.56
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	17.69	1.56
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	18.87	1.67
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	81.41	7.22
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	94.39	8.37
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	108.55	9.63
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	126.26	11.19
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	146.32	12.97
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	169.91	15.07
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	159.30	14.12
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	186.43	16.53
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	224.20	19.88
12 59 13 00-0026	EA	34" Panel End Cap Hardware	27.14	2.41
12 59 13 00-0027	EA	42" Panel End Cap Hardware	30.68	2.72
12 59 13 00-0028	EA	62" Panel End Cap Hardware	33.04	2.93
12 59 13 00-0029	EA	28" Variable Height Panel End Filler	29.94	2.72
Note: Field cut to appropriate length.				
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	15.41	1.36
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	16.25	1.46
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	18.81	1.67
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	15.41	1.36
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly	31.66	2.83
Note: Includes base plate, two side covers, and 2 side cover fillers.				
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly	35.94	3.14
Note: Includes base plate, two side covers, and 2 side cover fillers.				
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly	36.77	3.24
Note: Includes base plate, two side covers, and 2 side cover fillers.				
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly	41.07	3.66
Note: Includes base plate, two side covers, and 2 side cover fillers.				
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly	46.18	4.08
Note: Includes base plate, two side covers, and 2 side cover fillers.				
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	248.44	21.98



		Furnishings	12	12
		Furniture	12 50	
		Systems Furniture	12 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0040	EA		30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	306.04	27.10
12 59 13 00-0041	EA		24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	288.86	25.64
12 59 13 00-0042	EA		30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	361.09	32.02
12 59 13 00-0043	EA		24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	364.50	32.33
12 59 13 00-0044	EA		30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	459.09	40.80
12 59 13 00-0045	EA		24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	442.73	39.24
12 59 13 00-0046	EA		30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	556.18	49.28
12 59 13 00-0047	EA		30" x 60" Radiused Edge Table.....	988.01	87.67
12 59 13 00-0048	EA		30" x 72" Radiused Edge Table.....	1,079.71	95.84
12 59 13 00-0049	EA		14" x 24" Radiused Edge Transaction Surface.....	118.64	10.57
12 59 13 00-0050	EA		14" x 36" Radiused Edge Transaction Surface.....	134.96	11.93
12 59 13 00-0051	EA		14" x 48" Radiused Edge Transaction Surface.....	151.30	13.39
12 59 13 00-0052	EA		14" x 60" Radiused Edge Transaction Surface.....	188.26	16.74
12 59 13 00-0053	EA		14" x 72" Radiused Edge Transaction Surface.....	226.09	20.09
12 59 13 00-0054	EA		14" Right Angle Corner Transaction Surface.....	395.47	35.05
12 59 13 00-0055	EA		Transaction Surface Support.....	31.33	2.77
12 59 13 00-0056	EA		Plastic Pencil Drawer.....	34.22	2.72
12 59 13 00-0057	EA		15-1/2" x 24" Hanging Shelf.....	115.51	10.25
12 59 13 00-0058	EA		15-1/2" x 36" Hanging Shelf.....	125.74	11.09
12 59 13 00-0059	EA		15-1/2" x 48" Hanging Shelf.....	134.32	11.93
12 59 13 00-0060	EA		24" Flipper Door - Top And Front Closure..... Note: Used with hanging shelf.	199.31	17.68
12 59 13 00-0061	EA		36" Flipper Door - Top And Front Closure..... Note: Used with hanging shelf.	232.69	20.71
12 59 13 00-0062	EA		48" Flipper Door - Top And Front Closure..... Note: Used with hanging shelf.	266.91	23.64
12 59 13 00-0063	EA		24" Suspended Lateral File, Lockable.....	687.29	60.63
12 59 13 00-0064	EA		30" Suspended Lateral File, Lockable.....	725.90	64.04
12 59 13 00-0065	EA		36" Suspended Lateral File, Lockable.....	765.93	67.56
12 59 13 00-0066	EA		48" Suspended Lateral File, Lockable.....	837.71	73.90
12 59 13 00-0067	EA		Fully Adjustable Vinyl Keyboard Tray.....	311.42	27.62
12 59 13 00-0068	EA		Palm Rest For Vinyl Keyboard Tray.....	48.75	4.39
12 59 13 00-0069	EA		24" x 36" Radiused Edge Corner Work Surface.....	393.43	34.94
12 59 13 00-0070	EA		File Drawer Organizer.....	126.63	11.19
12 59 13 00-0071	EA		Suspended Lateral File Converter Bracket.....	27.37	2.41
12 59 13 00-0072	EA		Utility Task Light.....	136.87	12.14

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel.....	35.95
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel.....	39.96
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel.....	42.73
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel.....	47.87
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel.....	36.52
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel.....	41.29
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel.....	46.26
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel.....	54.36
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel.....	35.19
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel.....	43.30
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel.....	54.17
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel.....	64.86
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware.....	1.97
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware.....	1.97
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware.....	2.10
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware.....	9.04
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware.....	10.47
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware.....	12.05
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	14.00
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	16.23
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	18.85
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	17.67
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	20.68
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	24.87
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware.....	3.01
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware.....	3.40
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware.....	3.66
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler.....	3.32
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	1.71
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	1.81
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	2.09
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.71
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly.....	3.51
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly.....	3.99
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly.....	4.08
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly.....	4.55
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly.....	5.13
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	27.56
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	33.95
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	32.05
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	40.06
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	40.44

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radius Edge Rectangular Hanging Work Surface.....	50.92	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radius Edge Rectangular Hanging Work Surface.....	49.12	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radius Edge Rectangular Hanging Work Surface.....	61.71	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radius Edge Table.....	95.29	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radius Edge Table.....	119.75	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radius Edge Transaction Surface.....	13.16	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radius Edge Transaction Surface.....	14.97	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radius Edge Transaction Surface.....	16.79	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radius Edge Transaction Surface.....	20.88	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radius Edge Transaction Surface.....	25.09	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface.....	43.87	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support.....	3.46	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer.....	3.42	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	12.82	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	13.95	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	14.90	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf.....	22.11	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf.....	25.82	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf.....	29.61	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File.....	75.79	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File.....	80.04	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File.....	84.45	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File.....	92.38	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	34.54	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radius Edge Corner Work Surface.....	43.65	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light.....	15.19	
12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)				
12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel.....	38.34	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel.....	42.61	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel.....	45.56	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel.....	51.04	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel.....	38.94	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel.....	44.02	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel.....	49.32	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel.....	57.95	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel.....	37.52	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel.....	46.16	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel.....	57.75	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel.....	69.14	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware.....	2.10	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware.....	2.10	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware.....	2.24	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	9.63	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	11.16	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	12.84	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	14.93	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	17.30	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	20.10	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	18.85	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	22.06	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	26.52	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware.....	3.21	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware.....	3.63	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware.....	3.91	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler.....	3.54	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	1.83	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	1.93	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	2.23	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.83	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly.....	3.74	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly.....	4.25	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly.....	4.35	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly.....	4.85	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly.....	5.47	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radius Edge Rectangular Hanging Work Surface.....	29.39	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radius Edge Rectangular Hanging Work Surface.....	36.20	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radius Edge Rectangular Hanging Work Surface.....	34.16	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radius Edge Rectangular Hanging Work Surface.....	42.71	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radius Edge Rectangular Hanging Work Surface.....	43.11	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radius Edge Rectangular Hanging Work Surface.....	54.30	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radius Edge Rectangular Hanging Work Surface.....	52.37	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radius Edge Rectangular Hanging Work Surface.....	65.79	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radius Edge Table.....	116.87	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radius Edge Table.....	127.71	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radius Edge Transaction Surface.....	14.03	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radius Edge Transaction Surface.....	15.96	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radius Edge Transaction Surface.....	17.89	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radius Edge Transaction Surface.....	22.27	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radius Edge Transaction Surface.....	26.74	



Furnishings			12
Furniture			12 50
Systems Furniture			12 59

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0195	EA		Reconfigure 14" Right Angle Corner Transaction Surface.....	46.77	
12 59 13 00-0196	EA		Reconfigure Transaction Surface Support.....	3.69	
12 59 13 00-0197	EA		Reconfigure 15-1/2" x 24" Hanging Shelf.....	13.66	
12 59 13 00-0198	EA		Reconfigure 15-1/2" x 36" Hanging Shelf.....	14.87	
12 59 13 00-0199	EA		Reconfigure 15-1/2" x 48" Hanging Shelf.....	15.89	
12 59 13 00-0200	EA		Reconfigure 24" Flipper Door And Shelf.....	23.57	
12 59 13 00-0201	EA		Reconfigure 36" Flipper Door And Shelf.....	27.52	
12 59 13 00-0202	EA		Reconfigure 48" Flipper Door And Shelf.....	31.57	
12 59 13 00-0203	EA		Reconfigure 24" Suspended Lateral File.....	80.84	
12 59 13 00-0204	EA		Reconfigure 30" Suspended Lateral File.....	85.38	
12 59 13 00-0205	EA		Reconfigure 36" Suspended Lateral File.....	90.09	
12 59 13 00-0206	EA		Reconfigure 48" Suspended Lateral File.....	98.54	
12 59 13 00-0207	EA		Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	46.53	

12 59 16 Free-Standing Component System Furniture (12 59)**12 59 16 00-0001 Furniture, Office Systems (12 59 16)**

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	854.94
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	1,077.80
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,210.77
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,295.52
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep.....	1,135.77
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	955.17
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep.....	1,091.09
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep.....	1,152.80
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm.....	632.01
12 59 16 00-0011	EA	End Support Leg.....	438.56
12 59 16 00-0012	EA	Modesty Panel, 48" Wide.....	194.28
12 59 16 00-0013	EA	Modesty Panel, Return	211.53
12 59 16 00-0014	EA	Pencil/Utility Drawer.....	339.84
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High.....	565.61
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High.....	788.33
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide.....	1,194.05
12 59 16 00-0018	EA	Printer Stand, Universal	1,592.20
12 59 16 00-0019	EA	Paper Basket.....	141.40
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide.....	1,865.21
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide.....	2,229.77
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72".....	1,250.56
12 59 16 00-0023	EA	Return Table, 24" x 48".....	936.61
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	1,057.68
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide.....	652.37
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide.....	617.36
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide.....	861.70
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide.....	903.17
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	960.53
12 59 16 00-0030	EA	Peninsula, 30" x 60".....	1,352.34
12 59 16 00-0031	EA	Connector Plate.....	35.30

12 59 16 00-0032 Steelcase Systems Furniture (12 59 16)

12 59 16 00-0033	EA	Standard Workstation, Type 1, Components Only (Steelcase TYP 1 COMP LH/RH)	8,419.33
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0034	EA	Standard Workstation, Type 2, Components Only (Steelcase TYP 2 COMP LH/RH)	7,097.74
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0035	EA	Standard Workstation, Type 3, Components Only (Steelcase TYP 3 COMP LH/RH)	6,651.01
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0036	EA	Standard Workstation, Type 4, Components Only (Steelcase TYP 4 COMP LH/RH)	5,248.62
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0037	EA	Private Office, Type 1, Components Only (Steelcase PO-1 COMP LH/RH).....	28,989.00
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0038	EA	Private Office, Type 2, Components Only (Steelcase PO-2 COMP LH/RH).....	20,933.82
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.			
12 59 16 00-0039	EA	Fabric/Steel Panel, 24" (Steelcase PFS-24).....	568.93
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0040	EA	Fabric/Steel Panel, 30" (Steelcase PFS-30).....	609.63
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0041	EA	Fabric/Steel Panel, 36" (Steelcase PFS-36).....	646.89
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0042	EA	Fabric/Steel Panel, 42" (Steelcase PFS-42).....	690.30
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0043	EA	Fabric/Steel Panel, 48" (Steelcase PFS-48).....	733.00
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0044	EA	Fabric/Steel Panel, 60" (Steelcase PFS-60).....	845.58
Note: Task to be used in conjunction with standard workstation types.			
12 59 16 00-0045	EA	Fabric/Steel Panel, 72" (Steelcase PFS-72).....	962.20
Note: Task to be used in conjunction with standard workstation types.			

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0046	EA	Fabric/Fabric Panel, 24" (Steelcase PFF-24)..... Note: Task to be used in conjunction with standard workstation types.	560.79	
12 59 16 00-0047	EA	Fabric/Fabric Panel, 30" (Steelcase PFF-30)..... Note: Task to be used in conjunction with standard workstation types.	599.44	
12 59 16 00-0048	EA	Fabric/Fabric Panel, 36" (Steelcase PFF-36)..... Note: Task to be used in conjunction with standard workstation types.	636.72	
12 59 16 00-0049	EA	Fabric/Fabric Panel, 42" (Steelcase PFF-42)..... Note: Task to be used in conjunction with standard workstation types.	680.80	
12 59 16 00-0050	EA	Fabric/Fabric Panel, 48" (Steelcase PFF-48)..... Note: Task to be used in conjunction with standard workstation types.	724.17	
12 59 16 00-0051	EA	Fabric/Fabric Panel, 60" (Steelcase PFF-60)..... Note: Task to be used in conjunction with standard workstation types.	835.42	
12 59 16 00-0052	EA	Fabric/Fabric Panel, 72" (Steelcase PFF-72)..... Note: Task to be used in conjunction with standard workstation types.	954.06	
12 59 16 00-0053	EA	Touchdown Host Desk (Steelcase TD).....	2,573.14	
12 59 16 00-0054	EA	Power Kit, 24" - 48" (Steelcase PK-24, 30, 36, 42 or 48)..... Note: Task to be used in conjunction with standard workstation types.	122.06	
12 59 16 00-0055	EA	Power Kit, 60" - 72" (Steelcase PK-60 or 72)..... Note: Task to be used in conjunction with standard workstation types.	185.12	
12 59 16 00-0056	EA	Receptacle (Steelcase RECPT)..... Note: Task to be used in conjunction with standard workstation types.	24.42	
12 59 16 00-0057	EA	Base Power, 6" (Steelcase BPI-6)..... Note: Task to be used in conjunction with standard workstation types.	153.25	
12 59 16 00-0058	EA	Base Power, 12" (Steelcase BPI-12)..... Note: Task to be used in conjunction with standard workstation types.	164.09	
12 59 16 00-0059	EA	End Trim, 54" (Steelcase E54)..... Note: Task to be used in conjunction with standard workstation types.	175.62	
12 59 16 00-0060	EA	In Line Trim, 54" (Steelcase I54)..... Note: Task to be used in conjunction with standard workstation types.	120.70	
12 59 16 00-0061	EA	L Junction, 54" (Steelcase L54)..... Note: Task to be used in conjunction with standard workstation types.	302.41	
12 59 16 00-0062	EA	T Junction (Steelcase T54)..... Note: Task to be used in conjunction with standard workstation types.	302.47	
12 59 16 00-0063	EA	X Junction (Steelcase X54)..... Note: Task to be used in conjunction with standard workstation types.	287.51	
12 59 16 00-0064	EA	Junction Cap Aligner (Steelcase JC)..... Note: Task to be used in conjunction with standard workstation types.	47.47	
12 59 16 00-0065	EA	Junction Block, 90 Degree Corner (3) (Steelcase J90)..... Note: Task to be used in conjunction with standard workstation types.	20.34	
12 59 16 00-0066	EA	Light Seal, 54" (Steelcase LS54)..... Note: Task to be used in conjunction with standard workstation types.	13.56	
12 59 16 00-0067	EA	Think Chair, Arms and Casters - Task Chair (Steelcase 46543100).....	998.01	
12 59 16 00-0068	EA	Think Chair, No Arms, Casters - Conference Chair (Steelcase 46543000).....	820.61	
12 59 16 00-0069	EA	Move Chair, No Arms, No Casters (Glides) (Steelcase 490410P).....	192.23	
12 59 16 00-0070	EA	Move Chair, Arms, No Casters (Steelcase 490410CP).....	233.75	
12 59 16 00-0071	EA	Move Chair, No Arms, Casters (Steelcase 490410C).....	330.34	
12 59 16 00-0072	EA	Training Table, 60" x 20" (Akira AK6020RTC).....	1,126.25	
12 59 16 00-0073	EA	Conference Table, 30" x 59.75" (Steelcase BFS3060).....	647.58	
12 59 16 00-0074	EA	Conference Table, 30" x 47.75" (Steelcase BFS3048).....	610.97	
12 59 16 00-0075	EA	Round Conference Table, 36" Diameter With Base (Steelcase BFR36).....	466.52	
12 59 16 00-0076	EA	Round Conference Table, 42" Diameter With Base (Steelcase BFR42).....	551.96	
12 59 16 00-0077	EA	Round Conference Table, 48" Diameter With Base (Steelcase BFR48).....	579.77	
12 59 16 00-0078	EA	Rectangle Conference Table, 36" x 72" (Steelcase BFR3672).....	793.39	
12 59 16 00-0079	EA	Rectangle Conference Table, 42" x 84" (Steelcase BFR4284).....	1,084.91	
12 59 16 00-0080	EA	Task Light (Steelcase DSLEDF).....	289.78	
12 59 16 00-0081	EA	Markerboard, 48" x 48" (Claridge S14x4LCS).....	449.10	
12 59 16 00-0082	EA	Lateral File, 3 Drawer - 36" W (Steelcase RLF18363P).....	1,062.34	
12 59 16 00-0083	EA	Tower, Open Side Shelf (Steelcase TS2TWS54RC).....	1,528.73	
12 59 16 00-0084	EA	Tower, Closed Side (Steelcase TS2TW66LC).....	1,344.37	
12 59 16 00-0085	EA	Pedestal File - Mobile (Steelcase RPM2421CP).....	861.17	
12 59 16 00-0086	EA	Wardrobe, Fixed Shelf, Coat Rod (Steelcase RWC24306DP).....	1,111.64	
12 59 16 00-0087		Herman Miller Systems Furniture (12 59 16)		
12 59 16 00-0088		Herman Miller Action Office Series 2 Systems Furniture (12 59 16 00-0087)		
12 59 16 00-0089	EA	32H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2..... <i>For Owner Furnished Material, Deduct</i> <i>For Category 2 Fabric Both Sides, Add</i> <i>For Non-powered Panel, Deduct</i>	423.76 -351.88 11.24 -112.36	28.78
12 59 16 00-0090	EA	32H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2..... <i>For Owner Furnished Material, Deduct</i> <i>For Category 2 Fabric Both Sides, Add</i> <i>For Non-powered Panel, Deduct</i>	449.80 -374.36 11.24 -112.36	30.13
12 59 16 00-0091	EA	32H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2..... <i>For Owner Furnished Material, Deduct</i> <i>For Category 2 Fabric Both Sides, Add</i> <i>For Non-powered Panel, Deduct</i>	486.57 -407.37 11.24 -112.36	31.71
12 59 16 00-0092	EA	32H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2..... <i>For Owner Furnished Material, Deduct</i> <i>For Category 2 Fabric Both Sides, Add</i> <i>For Non-powered Panel, Deduct</i>	522.86 -439.68 11.24 -112.36	33.27



Furnishings			12
Furniture			12 50
Systems Furniture			12 59

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0093	EA		39H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	436.45	30.13
			For Owner Furnished Material, Deduct	-361.01	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0094	EA		39H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	464.09	31.71
			For Owner Furnished Material, Deduct	-384.89	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0095	EA		39H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	501.79	33.27
			For Owner Furnished Material, Deduct	-418.61	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0096	EA		39H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	540.38	34.94
			For Owner Furnished Material, Deduct	-453.02	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0097	EA		47H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	454.96	31.71
			For Owner Furnished Material, Deduct	-375.76	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0098	EA		47H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	489.85	33.27
			For Owner Furnished Material, Deduct	-406.67	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0099	EA		47H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	536.87	34.94
			For Owner Furnished Material, Deduct	-449.51	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0100	EA		47H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	588.33	36.72
			For Owner Furnished Material, Deduct	-496.57	
			For Category 2 Fabric Both Sides, Add	15.45	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0101	EA		62H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	444.83	28.78
			For Owner Furnished Material, Deduct	-372.95	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0102	EA		62H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	501.79	33.27
			For Owner Furnished Material, Deduct	-418.61	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0103	EA		62H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	605.89	36.72
			For Owner Furnished Material, Deduct	-514.13	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0104	EA		62H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	665.97	38.51
			For Owner Furnished Material, Deduct	-569.61	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0105	EA		67H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	454.71	30.13
			For Owner Furnished Material, Deduct	-379.27	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0106	EA		67H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	512.29	34.94
			For Owner Furnished Material, Deduct	-424.93	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0107	EA		67H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	614.70	38.51
			For Owner Furnished Material, Deduct	-518.34	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0108	EA		67H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	675.00	40.49
			For Owner Furnished Material, Deduct	-573.83	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	
12 59 16 00-0109	EA		85H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	496.40	31.71
			For Owner Furnished Material, Deduct	-417.20	
			For Category 2 Fabric Both Sides, Add	18.26	
			For Non-powered Panel, Deduct	-112.36	
			For Tackable Acoustical-Barrier Panel, Add	70.59	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0110	EA	85H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	574.28	36.72
		<i>For Owner Furnished Material, Deduct</i>	-482.52	
		<i>For Category 2 Fabric Both Sides, Add</i>	18.26	
		<i>For Non-powered Panel, Deduct</i>	-112.36	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	70.59	
12 59 16 00-0111	EA	85H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	688.34	40.49
		<i>For Owner Furnished Material, Deduct</i>	-587.17	
		<i>For Category 2 Fabric Both Sides, Add</i>	18.26	
		<i>For Non-powered Panel, Deduct</i>	-112.36	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	70.59	
12 59 16 00-0112	EA	85H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	754.47	42.48
		<i>For Owner Furnished Material, Deduct</i>	-648.28	
		<i>For Category 2 Fabric Both Sides, Add</i>	18.26	
		<i>For Non-powered Panel, Deduct</i>	-112.36	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	70.59	
12 59 16 00-0113	EA	32" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	83.80	7.11
		<i>For Owner Furnished Material, Deduct</i>	-66.02	
12 59 16 00-0114	EA	39" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	87.49	7.84
		<i>For Owner Furnished Material, Deduct</i>	-68.13	
12 59 16 00-0115	EA	47" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	96.77	8.37
		<i>For Owner Furnished Material, Deduct</i>	-75.85	
12 59 16 00-0116	EA	62" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	109.75	9.63
		<i>For Owner Furnished Material, Deduct</i>	-85.69	
12 59 16 00-0117	EA	67" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	112.73	10.25
		<i>For Owner Furnished Material, Deduct</i>	-87.09	
12 59 16 00-0118	EA	85" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	126.23	10.88
		<i>For Owner Furnished Material, Deduct</i>	-99.03	
12 59 16 00-0119	EA	32" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	147.40	11.19
		<i>For Owner Furnished Material, Deduct</i>	-119.40	
12 59 16 00-0120	EA	39" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	154.56	12.14
		<i>For Owner Furnished Material, Deduct</i>	-124.32	
12 59 16 00-0121	EA	47" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	165.19	12.97
		<i>For Owner Furnished Material, Deduct</i>	-132.75	
12 59 16 00-0122	EA	62" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	190.77	15.07
		<i>For Owner Furnished Material, Deduct</i>	-153.11	
12 59 16 00-0123	EA	67" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	195.43	16.32
		<i>For Owner Furnished Material, Deduct</i>	-154.52	
12 59 16 00-0124	EA	85" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	221.03	18.42
		<i>For Owner Furnished Material, Deduct</i>	-174.89	
12 59 16 00-0125	EA	32" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	184.97	14.12
		<i>For Owner Furnished Material, Deduct</i>	-149.60	
12 59 16 00-0126	EA	39" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	193.62	15.38
		<i>For Owner Furnished Material, Deduct</i>	-155.22	
12 59 16 00-0127	EA	47" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	207.78	16.53
		<i>For Owner Furnished Material, Deduct</i>	-166.46	
12 59 16 00-0128	EA	62" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	247.77	19.88
		<i>For Owner Furnished Material, Deduct</i>	-198.07	
12 59 16 00-0129	EA	67" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	252.20	21.13
		<i>For Owner Furnished Material, Deduct</i>	-199.47	
12 59 16 00-0130	EA	85" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2.....	283.75	24.48
		<i>For Owner Furnished Material, Deduct</i>	-222.65	
12 59 16 00-0131	EA	32" Finished End, Hard Surface, Herman Miller AO Series 2.....	34.87	2.41
		<i>For Owner Furnished Material, Deduct</i>	-28.80	
12 59 16 00-0132	EA	39" Finished End, Hard Surface, Herman Miller AO Series 2.....	36.69	2.62
		<i>For Owner Furnished Material, Deduct</i>	-30.20	
12 59 16 00-0133	EA	47" Finished End, Hard Surface, Herman Miller AO Series 2.....	39.11	2.72
		<i>For Owner Furnished Material, Deduct</i>	-32.31	
12 59 16 00-0134	EA	62" Finished End, Hard Surface, Herman Miller AO Series 2.....	41.04	2.93
		<i>For Owner Furnished Material, Deduct</i>	-33.71	
12 59 16 00-0135	EA	67" Finished End, Hard Surface, Herman Miller AO Series 2.....	41.45	3.14
		<i>For Owner Furnished Material, Deduct</i>	-33.71	
12 59 16 00-0136	EA	85" Finished End, Hard Surface, Herman Miller AO Series 2.....	44.78	3.35
		<i>For Owner Furnished Material, Deduct</i>	-36.52	
12 59 16 00-0137	EA	Change Of Height Draw Rod, Herman Miller AO Series 2.....	20.69	2.72
		<i>For Owner Furnished Material, Deduct</i>	-14.05	
12 59 16 00-0138	EA	Cable/Energy Barrier (Connector), Herman Miller AO Series 2.....	49.07	1.36
		<i>For Owner Furnished Material, Deduct</i>	-45.65	
12 59 16 00-0139		Accessories For Herman Miller Action Office Series Systems Furniture (12 59 16 00-0087)		
12 59 16 00-0140	EA	27" Draw Rod, Herman Miller Action Office	16.20	1.42
		<i>For Owner Furnished Material, Deduct</i>	-12.64	
12 59 16 00-0141	EA	34" Draw Rod, Herman Miller Action Office	17.11	1.50
		<i>For Owner Furnished Material, Deduct</i>	-13.34	
12 59 16 00-0142	EA	42" Draw Rod, Herman Miller Action Office	17.31	1.59
		<i>For Owner Furnished Material, Deduct</i>	-13.34	
12 59 16 00-0143	EA	48" Draw Rod, Herman Miller Action Office	18.23	1.67
		<i>For Owner Furnished Material, Deduct</i>	-14.05	
12 59 16 00-0144	EA	57" Draw Rod, Herman Miller Action Office	18.44	1.76
		<i>For Owner Furnished Material, Deduct</i>	-14.05	
12 59 16 00-0145	EA	62" Draw Rod, Herman Miller Action Office	18.65	1.85
		<i>For Owner Furnished Material, Deduct</i>	-14.05	
12 59 16 00-0146	EA	80" Draw Rod, Herman Miller Action Office	20.26	1.93
		<i>For Owner Furnished Material, Deduct</i>	-15.45	



Furnishings			12
Furniture			12 50
Systems Furniture			12 59

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0147	EA	24" x 36"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	202.60 -147.50	21.98
12 59 16 00-0148	EA	24" x 48"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	272.66 -208.60	25.64
12 59 16 00-0149	EA	24" x 60"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	348.43 -267.60	32.33
12 59 16 00-0150	EA	24" x 72"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	426.19 -328.00	39.24
12 59 16 00-0151	EA	30" x 36"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	290.51 -222.65	27.10
12 59 16 00-0152	EA	30" x 48"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	344.88 -264.79	32.02
12 59 16 00-0153	EA	30" x 60"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	442.46 -340.64	40.80
12 59 16 00-0154	EA	30" x 72"	Hanging Work Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	539.82 -416.50	49.28
12 59 16 00-0155	EA	24" x 36"	Corner Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	375.91 -288.67	34.94
12 59 16 00-0156	EA	30" x 60"	Round End Peninsula, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	687.77 -497.27	76.17
12 59 16 00-0157	EA	30" x 72"	Round End Peninsula, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	736.97 -528.88	83.18
12 59 16 00-0158	EA	14" x 24"	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	111.30 -84.99	10.57
12 59 16 00-0159	EA	14" x 36"	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	128.26 -98.33	11.93
12 59 16 00-0160	EA	14" x 48"	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	144.52 -110.97	13.39
12 59 16 00-0161	EA	14" x 60"	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	180.82 -139.07	16.74
12 59 16 00-0162	EA	14" x 72"	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	218.00 -167.86	20.09
12 59 16 00-0163	EA	Right Angle Corner	Transaction Surface, Laminate, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	207.11 -119.40	35.05
12 59 16 00-0164	EA	Pencil Drawer,	Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	34.22 -27.39	2.72
12 59 16 00-0165	EA	12" x 24"	Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	123.95 -98.33	10.25
12 59 16 00-0166	EA	12" x 36"	Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	136.04 -108.16	11.09
12 59 16 00-0167	EA	12" x 48"	Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	145.68 -115.89	11.93
12 59 16 00-0168	EA	12" x 24"	Flipper Door, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	200.83 -156.63	17.68
12 59 16 00-0169	EA	12" x 36"	Flipper Door, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	237.02 -185.42	20.71
12 59 16 00-0170	EA	12" x 48"	Flipper Door, Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	274.81 -215.62	23.64
12 59 16 00-0171	EA	24" Task Light,	Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	210.15 -179.80	12.14
12 59 16 00-0172	EA	36" Task Light,	Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	222.09 -191.74	12.14
12 59 16 00-0173	EA	48" Task Light,	Herman Miller Action Office <i>For Owner Furnished Material, Deduct</i>	234.74 -204.39	12.14

12 59 16 00-0174 Disassemble And Store (12 59 16 00-0087)

12 59 16 00-0175	EA	Disassemble And Store 32H 24W Panel	35.99
12 59 16 00-0176	EA	Disassemble And Store 32H 30W Panel	37.77
12 59 16 00-0177	EA	Disassemble And Store 32H 36W Panel	39.65
12 59 16 00-0178	EA	Disassemble And Store 32H 48W Panel	41.65
12 59 16 00-0179	EA	Disassemble And Store 39H 24W Panel	37.77
12 59 16 00-0180	EA	Disassemble And Store 39H 30W Panel	39.65
12 59 16 00-0181	EA	Disassemble And Store 39H 36W Panel	41.65
12 59 16 00-0182	EA	Disassemble And Store 39H 48W Panel	43.73
12 59 16 00-0183	EA	Disassemble And Store 47H 24W Panel	39.65
12 59 16 00-0184	EA	Disassemble And Store 47H 30W Panel	41.65
12 59 16 00-0185	EA	Disassemble And Store 47H 36W Panel	43.73
12 59 16 00-0186	EA	Disassemble And Store 47H 48W Panel	45.93
12 59 16 00-0187	EA	Disassemble And Store 62H 12W Panel	35.99
12 59 16 00-0188	EA	Disassemble And Store 62H 24W Panel	41.65
12 59 16 00-0189	EA	Disassemble And Store 62H 36W Panel	45.93
12 59 16 00-0190	EA	Disassemble And Store 62H 48W Panel	48.23
12 59 16 00-0191	EA	Disassemble And Store 67H 12W Panel	37.77
12 59 16 00-0192	EA	Disassemble And Store 67H 24W Panel	43.73
12 59 16 00-0193	EA	Disassemble And Store 67H 36W Panel	48.23
12 59 16 00-0194	EA	Disassemble And Store 67H 48W Panel	50.64
12 59 16 00-0195	EA	Disassemble And Store 67H 12W Panel	39.65
12 59 16 00-0196	EA	Disassemble And Store 85H 24W Panel	45.93
12 59 16 00-0197	EA	Disassemble And Store 85H 36W Panel	50.64
12 59 16 00-0198	EA	Disassemble And Store 85H 48W Panel	53.15
12 59 16 00-0199	EA	Disassemble And Store 32" Two-Way 90 Connector	8.90
12 59 16 00-0200	EA	Disassemble And Store 39" Two-Way 90 Connector	9.73

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0201	EA	Disassemble And Store 47" Two-Way 90 Connector.....	10.46	
12 59 16 00-0202	EA	Disassemble And Store 62" Two-Way 90 Connector.....	12.04	
12 59 16 00-0203	EA	Disassemble And Store 67" Two-Way 90 Connector.....	12.87	
12 59 16 00-0204	EA	Disassemble And Store 85" Two-Way 90 Connector.....	13.60	
12 59 16 00-0205	EA	Disassemble And Store 32" Three-Way 90 Connector.....	14.02	
12 59 16 00-0206	EA	Disassemble And Store 39" Three-Way 90 Connector.....	15.17	
12 59 16 00-0207	EA	Disassemble And Store 47" Three-Way 90 Connector.....	16.22	
12 59 16 00-0208	EA	Disassemble And Store 62" Three-Way 90 Connector.....	18.84	
12 59 16 00-0209	EA	Disassemble And Store 67" Three-Way 90 Connector.....	20.50	
12 59 16 00-0210	EA	Disassemble And Store 85" Three-Way 90 Connector.....	23.12	
12 59 16 00-0211	EA	Disassemble And Store 32" Four-Way 90 Connector.....	17.68	
12 59 16 00-0212	EA	Disassemble And Store 39" Four-Way 90 Connector.....	19.25	
12 59 16 00-0213	EA	Disassemble And Store 47" Four-Way 90 Connector.....	20.71	
12 59 16 00-0214	EA	Disassemble And Store 62" Four-Way 90 Connector.....	24.90	
12 59 16 00-0215	EA	Disassemble And Store 67" Four-Way 90 Connector.....	26.37	
12 59 16 00-0216	EA	Disassemble And Store 85" Four-Way 90 Connector.....	30.55	
12 59 16 00-0217	EA	Disassemble And Store 32" Finished End.....	3.03	
12 59 16 00-0218	EA	Disassemble And Store 39" Finished End.....	3.24	
12 59 16 00-0219	EA	Disassemble And Store 47" Finished End.....	3.45	
12 59 16 00-0220	EA	Disassemble And Store 62" Finished End.....	3.66	
12 59 16 00-0221	EA	Disassemble And Store 67" Finished End.....	3.87	
12 59 16 00-0222	EA	Disassemble And Store 85" Finished End.....	4.18	
12 59 16 00-0223	EA	Disassemble And Store Change Of Height Draw Rod.....	3.32	
12 59 16 00-0224	EA	Disassemble And Store Cable/Energy Barrier (Connector).....	1.71	
12 59 16 00-0225	EA	Disassemble And Store 27" Draw Rod.....	1.78	
12 59 16 00-0226	EA	Disassemble And Store 34" Draw Rod.....	1.97	
12 59 16 00-0227	EA	Disassemble And Store 42" Draw Rod.....	1.99	
12 59 16 00-0228	EA	Disassemble And Store 48" Draw Rod.....	2.10	
12 59 16 00-0229	EA	Disassemble And Store 57" Draw Rod.....	2.20	
12 59 16 00-0230	EA	Disassemble And Store 62" Draw Rod.....	2.30	
12 59 16 00-0231	EA	Disassemble And Store 80" Draw Rod.....	2.41	
12 59 16 00-0232	EA	Disassemble And Store 24" x 36" Hanging Work Surface.....	27.56	
12 59 16 00-0233	EA	Disassemble And Store 24" x 48" Hanging Work Surface.....	32.05	
12 59 16 00-0234	EA	Disassemble And Store 24" x 60" Hanging Work Surface.....	40.44	
12 59 16 00-0235	EA	Disassemble And Store 24" x 72" Hanging Work Surface.....	49.12	
12 59 16 00-0236	EA	Disassemble And Store 30" x 36" Hanging Work Surface.....	33.95	
12 59 16 00-0237	EA	Disassemble And Store 30" x 48" Hanging Work Surface.....	40.06	
12 59 16 00-0238	EA	Disassemble And Store 30" x 60" Hanging Work Surface.....	50.92	
12 59 16 00-0239	EA	Disassemble And Store 30" x 72" Hanging Work Surface.....	61.71	
12 59 16 00-0240	EA	Disassemble And Store 24" x 36" Corner Work Surface.....	43.65	
12 59 16 00-0241	EA	Disassemble And Store 30" x 60" Round End Peninsula.....	95.29	
12 59 16 00-0242	EA	Disassemble And Store 30" x 72" Round End Peninsula.....	104.11	
12 59 16 00-0243	EA	Disassemble And Store 14" x 24" Transaction Surface.....	13.16	
12 59 16 00-0244	EA	Disassemble And Store 14" x 36" Transaction Surface.....	14.97	
12 59 16 00-0245	EA	Disassemble And Store 14" x 48" Transaction Surface.....	16.79	
12 59 16 00-0246	EA	Disassemble And Store 14" x 60" Transaction Surface.....	20.88	
12 59 16 00-0247	EA	Disassemble And Store 14" x 72" Transaction Surface.....	25.09	
12 59 16 00-0248	EA	Disassemble And Store Right Angle Corner Transaction Surface.....	43.87	
12 59 16 00-0249	EA	Disassemble And Store Pencil Drawer.....	3.42	
12 59 16 00-0250	EA	Disassemble And Store 24" Shelf.....	12.82	
12 59 16 00-0251	EA	Disassemble And Store 36" Shelf.....	13.95	
12 59 16 00-0252	EA	Disassemble And Store 48" Shelf.....	14.90	
12 59 16 00-0253	EA	Disassemble And Store 24" Flipper Door.....	22.11	
12 59 16 00-0254	EA	Disassemble And Store 36" Flipper Door.....	25.82	
12 59 16 00-0255	EA	Disassemble And Store 48" Flipper Door.....	29.61	
12 59 16 00-0256	EA	Disassemble And Store Task Light, Herman Miller Action Office.....	15.19	
12 59 16 00-0257 Reconfigure (12 59 16 00-0087)				
12 59 16 00-0258	EA	Reconfigure 32H 24W Panel.....	46.59	
12 59 16 00-0259	EA	Reconfigure 32H 30W Panel.....	49.02	
12 59 16 00-0260	EA	Reconfigure 32H 36W Panel.....	51.67	
12 59 16 00-0261	EA	Reconfigure 32H 48W Panel.....	54.51	
12 59 16 00-0262	EA	Reconfigure 39H 24W Panel.....	48.75	
12 59 16 00-0263	EA	Reconfigure 39H 30W Panel.....	51.22	
12 59 16 00-0264	EA	Reconfigure 39H 36W Panel.....	54.09	
12 59 16 00-0265	EA	Reconfigure 39H 48W Panel.....	57.08	
12 59 16 00-0266	EA	Reconfigure 47H 24W Panel.....	51.04	
12 59 16 00-0267	EA	Reconfigure 47H 30W Panel.....	53.85	
12 59 16 00-0268	EA	Reconfigure 47H 36W Panel.....	57.01	
12 59 16 00-0269	EA	Reconfigure 47H 48W Panel.....	60.36	
12 59 16 00-0270	EA	Reconfigure 62H 12W Panel.....	47.01	
12 59 16 00-0271	EA	Reconfigure 62H 24W Panel.....	54.09	
12 59 16 00-0272	EA	Reconfigure 62H 36W Panel.....	60.71	
12 59 16 00-0273	EA	Reconfigure 62H 48W Panel.....	64.44	
12 59 16 00-0274	EA	Reconfigure 67H 12W Panel.....	49.12	
12 59 16 00-0275	EA	Reconfigure 67H 24W Panel.....	56.52	
12 59 16 00-0276	EA	Reconfigure 67H 36W Panel.....	63.42	
12 59 16 00-0277	EA	Reconfigure 67H 48W Panel.....	67.14	
12 59 16 00-0278	EA	Reconfigure 85H 12W Panel.....	51.86	
12 59 16 00-0279	EA	Reconfigure 85H 24W Panel.....	60.08	



Furnishings			12
Furniture			12 50
Systems Furniture			12 59

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0280 EA Reconfigure 85H 36W Panel	67.40	
12 59 16 00-0281 EA Reconfigure 85H 48W Panel	71.35	
12 59 16 00-0282 EA Reconfigure 32" Two-Way 90 Connector.....	11.16	
12 59 16 00-0283 EA Reconfigure 39" Two-Way 90 Connector.....	12.03	
12 59 16 00-0284 EA Reconfigure 47" Two-Way 90 Connector.....	13.02	
12 59 16 00-0285 EA Reconfigure 62" Two-Way 90 Connector.....	15.00	
12 59 16 00-0286 EA Reconfigure 67" Two-Way 90 Connector.....	15.86	
12 59 16 00-0287 EA Reconfigure 85" Two-Way 90 Connector.....	16.94	
12 59 16 00-0288 EA Reconfigure 32" Three-Way 90 Connector.....	17.77	
12 59 16 00-0289 EA Reconfigure 39" Three-Way 90 Connector.....	19.13	
12 59 16 00-0290 EA Reconfigure 47" Three-Way 90 Connector.....	20.54	
12 59 16 00-0291 EA Reconfigure 62" Three-Way 90 Connector.....	23.77	
12 59 16 00-0292 EA Reconfigure 67" Three-Way 90 Connector.....	25.59	
12 59 16 00-0293 EA Reconfigure 85" Three-Way 90 Connector.....	28.93	
12 59 16 00-0294 EA Reconfigure 32" Four-Way 90 Connector.....	22.45	
12 59 16 00-0295 EA Reconfigure 39" Four-Way 90 Connector.....	24.23	
12 59 16 00-0296 EA Reconfigure 47" Four-Way 90 Connector.....	26.04	
12 59 16 00-0297 EA Reconfigure 62" Four-Way 90 Connector.....	31.26	
12 59 16 00-0298 EA Reconfigure 67" Four-Way 90 Connector.....	32.97	
12 59 16 00-0299 EA Reconfigure 85" Four-Way 90 Connector.....	38.03	
12 59 16 00-0300 EA Reconfigure 32" Finished End	3.93	
12 59 16 00-0301 EA Reconfigure 39" Finished End	4.16	
12 59 16 00-0302 EA Reconfigure 47" Finished End	4.42	
12 59 16 00-0303 EA Reconfigure 62" Finished End	4.75	
12 59 16 00-0304 EA Reconfigure 67" Finished End	4.96	
12 59 16 00-0305 EA Reconfigure 85" Finished End	5.23	
12 59 16 00-0306 EA Reconfigure Change Of Height Draw Rod	3.82	
12 59 16 00-0307 EA Reconfigure Cable/Energy Barrier (Connector)	2.74	
12 59 16 00-0308 EA Reconfigure 27" Draw Rod	2.21	
12 59 16 00-0309 EA Reconfigure 34" Draw Rod	2.35	
12 59 16 00-0310 EA Reconfigure 42" Draw Rod	2.46	
12 59 16 00-0311 EA Reconfigure 48" Draw Rod	2.58	
12 59 16 00-0312 EA Reconfigure 57" Draw Rod	2.70	
12 59 16 00-0313 EA Reconfigure 62" Draw Rod	2.81	
12 59 16 00-0314 EA Reconfigure 80" Draw Rod	2.96	
12 59 16 00-0315 EA Reconfigure 24" x 36" Hanging Work Surface	32.34	
12 59 16 00-0316 EA Reconfigure 24" x 48" Hanging Work Surface.....	38.33	
12 59 16 00-0317 EA Reconfigure 24" x 60" Hanging Work Surface.....	48.46	
12 59 16 00-0318 EA Reconfigure 24" x 72" Hanging Work Surface	58.93	
12 59 16 00-0319 EA Reconfigure 30" x 36" Hanging Work Surface.....	40.65	
12 59 16 00-0320 EA Reconfigure 30" x 48" Hanging Work Surface.....	48.01	
12 59 16 00-0321 EA Reconfigure 30" x 60" Hanging Work Surface.....	61.11	
12 59 16 00-0322 EA Reconfigure 30" x 72" Hanging Work Surface.....	74.12	
12 59 16 00-0323 EA Reconfigure 24" x 36" Corner Work Surface.....	52.30	
12 59 16 00-0324 EA Reconfigure 30" x 60" Round End Peninsula.....	111.53	
12 59 16 00-0325 EA Reconfigure 30" x 72" Round End Peninsula.....	121.60	
12 59 16 00-0326 EA Reconfigure 14" x 24" Transaction Surface	15.73	
12 59 16 00-0327 EA Reconfigure 14" x 36" Transaction Surface	17.93	
12 59 16 00-0328 EA Reconfigure 14" x 48" Transaction Surface	20.11	
12 59 16 00-0329 EA Reconfigure 14" x 60" Transaction Surface	25.05	
12 59 16 00-0330 EA Reconfigure 14" x 72" Transaction Surface	30.10	
12 59 16 00-0331 EA Reconfigure Right Angle Corner Transaction Surface	49.16	
12 59 16 00-0332 EA Reconfigure Pencil Drawer	4.19	
12 59 16 00-0333 EA Reconfigure 24" Shelf	15.63	
12 59 16 00-0334 EA Reconfigure 36" Shelf	17.03	
12 59 16 00-0335 EA Reconfigure 48" Shelf	18.21	
12 59 16 00-0336 EA Reconfigure 24" Flipper Door	26.70	
12 59 16 00-0337 EA Reconfigure 36" Flipper Door	31.23	
12 59 16 00-0338 EA Reconfigure 48" Flipper Door	35.88	
12 59 16 00-0339 EA Reconfigure Task Light.....	19.79	

12 60 Multiple Seating ⁽¹²⁾

12 61 Fixed Audience Seating ^(12 60)

12 61 13 Upholstered Audience Seating ^(12 61)

12 61 13 00-0001 Upholstered Audience Seating ^(12 61 13)

12 61 13 00-0002 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4)	539.73	50.16
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-64.60	
For >249 To 749, Deduct	-77.52	
For >749, Deduct	-86.14	
For Up To 9, Add	702.01	
For >9 To 24, Add	279.94	
For Expansion Anchor Mounting With Anchor Caps, Add	25.70	
For Epoxy Anchor Mounting With Anchor Caps, Add	29.30	

12 Furnishings**12 60 Multiple Seating****12 61 Fixed Audience Seating**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	567.60 -68.78 -82.54 -91.71 701.58 279.72 25.70 29.30	50.16
12 61 13 00-0004	EA		Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	694.03 -87.75 -105.30 -117.00 701.98 280.79 25.70 29.30	50.16
12 61 13 00-0005	EA		Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	722.27 -91.98 -110.38 -122.64 699.07 282.08 25.70 29.30	50.16
12 61 13 00-0006	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	473.49 -54.67 -65.60 -72.89 703.37 280.62 25.70 29.30	50.16
12 61 13 00-0007	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	479.06 -55.50 -66.60 -74.00 703.02 281.21 25.70 29.30	50.16
12 61 13 00-0008	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	502.99 -59.09 -70.91 -78.79 701.21 279.70 25.70 29.30	50.16

12 61 16 Molded-Plastic Audience Seating (12 61)12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)



Furnishings			12
Multiple Seating			12 60
Fixed Audience Seating			12 61

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 16 00-0002	EA		Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30) Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	361.58 -37.88 -45.46 -50.51 691.93 277.78 25.70 29.30	50.16
12 61 16 00-0003	EA		Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30) Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	403.66 -44.19 -53.03 -58.92 692.33 276.93 25.70 29.30	50.16

12 61 19 Plywood/Hardwood Audience Seating (12 61)**12 61 19 00-0001 Plywood/Hardwood Audience Seating** (12 61 19)

12 61 19 00-0002	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4) Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	565.94 -68.53 -82.24 -91.38 726.46 292.41 25.70 29.30	50.16
12 61 19 00-0003	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4) Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms. For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct For Up To 9, Add For >9 To 24, Add For Expansion Anchor Mounting With Anchor Caps, Add For Epoxy Anchor Mounting With Anchor Caps, Add	588.55 -71.93 -86.31 -95.90 695.28 278.11 25.70 29.30	50.16

12 61 21 Fixed Audience Seating Accessories (12 61)**12 61 21 00-0001 Fixed Audience Seating Accessories** (12 61 21)

12 61 21 00-0002	EA		100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct	181.53 -25.59 -30.71 -34.13	
12 61 21 00-0003	EA		120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct	184.81 -26.09 -31.30 -34.78	
12 61 21 00-0004	EA		151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct	193.37 -27.37 -32.84 -36.49	
12 61 21 00-0005	EA		98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct	181.53 -25.59 -30.71 -34.13	
12 61 21 00-0006	EA		105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) For >100 To 249, Deduct For >249 To 749, Deduct For >749, Deduct	194.09 -27.48 -32.97 -36.64	
12 61 21 00-0007	EA		Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	14.70	

12 62 Portable-Audience Seating (12 60)**12 62 23 Portable Bleachers** (12 62)**12 62 23 00-0001 Metal Bleachers, Outdoor, Portable** (12 62 23)

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0003 SEA 2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat.....	185.10	4.58
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	
12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		
Note: Includes side and back fence.		
12 62 23 00-0005 SEA 5 Rows, Non-Elevated Portable Aluminum Bleacher.....	245.19	4.58
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 62 23 00-0006 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher.....	280.05	4.81
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 62 23 00-0007 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher.....	292.33	5.04
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		
Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009 SEA 5 Rows, Non-Elevated Portable Aluminum Bleacher.....	387.16	5.16
Note: Including side and back fence and center aisle with handrails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 62 23 00-0010 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher.....	443.26	5.41
Note: Including side and back fence and center aisle with handrails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 62 23 00-0011 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher.....	481.02	5.73
Note: Including side and back fence and center aisle with handrails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards		
Between Rows), Add	35.00	
12 66 Telescoping Stands (12 60)		
12 66 13 Telescoping Bleachers (12 66)		
12 66 13 00-0001 Wall Mounted Telescoping Bleachers (12 66 13)		
Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additional optional accessories.		
12 66 13 00-0002 SEA 3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....	290.16	22.44
For Aluminum Seating And Walks, Add	104.68	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0003 SEA 3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	331.26	29.24
For Aluminum Seating And Walks, Add	121.10	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0004 SEA 3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	376.37	30.15
For Aluminum Seating And Walks, Add	139.32	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0005 SEA 3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	409.65	30.85
For Aluminum Seating And Walks, Add	152.23	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	



Furnishings			12
Multiple Seating			12 60
Telescoping Stands			12 66

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0006 SEA 11 To 20 Tier Telescoping Bleacher, 24" Row Spacing.....	298.83	22.44
For Aluminum Seating And Walks, Add	108.58	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0007 SEA 11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	348.42	29.24
For Aluminum Seating And Walks, Add	128.82	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0008 SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	399.62	30.15
For Aluminum Seating And Walks, Add	149.79	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0009 SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	439.27	30.85
For Aluminum Seating And Walks, Add	165.56	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0010 SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	307.57	22.44
For Aluminum Seating And Walks, Add	112.51	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0011 SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	365.57	29.24
For Aluminum Seating And Walks, Add	136.54	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0012 SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	423.11	30.15
For Aluminum Seating And Walks, Add	160.36	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0013 SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	495.17	30.85
For Aluminum Seating And Walks, Add	178.80	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0014 Portable Telescoping Bleachers ^(12 66 13)		
Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0015 SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	324.30	22.44
For Aluminum Seating And Walks, Add	120.04	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	

12 Furnishings**12 60 Multiple Seating****12 66 Telescoping Stands**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	.....	371.62	29.24
		For Aluminum Seating And Walks, Add	.....	139.26	
		For 10" Flat Plastic Seat Modules, Add	.....	15.00	
		For 10" Curved Plastic Seat Modules, Add	.....	18.75	
		For 14" Curved Plastic Seat Module, Add	.....	22.50	
		For >200 To 300, Deduct	.....	-4.00	
		For >300 To 400, Deduct	.....	-8.00	
		For >400 To 500, Deduct	.....	-12.00	
		For >500, Deduct	.....	-16.00	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	.....	422.82	30.15
		For Aluminum Seating And Walks, Add	.....	160.23	
		For 10" Flat Plastic Seat Modules, Add	.....	15.00	
		For 10" Curved Plastic Seat Modules, Add	.....	18.75	
		For 14" Curved Plastic Seat Module, Add	.....	22.50	
		For >200 To 300, Deduct	.....	-4.00	
		For >300 To 400, Deduct	.....	-8.00	
		For >400 To 500, Deduct	.....	-12.00	
		For >500, Deduct	.....	-16.00	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	.....	460.39	30.85
		For Aluminum Seating And Walks, Add	.....	175.06	
		For 10" Flat Plastic Seat Modules, Add	.....	15.00	
		For 10" Curved Plastic Seat Modules, Add	.....	18.75	
		For 14" Curved Plastic Seat Module, Add	.....	22.50	
		For >200 To 300, Deduct	.....	-4.00	
		For >300 To 400, Deduct	.....	-8.00	
		For >400 To 500, Deduct	.....	-12.00	
		For >500, Deduct	.....	-16.00	
12 66 13 00-0019	Options And Accessories (12 66 13)				
12 66 13 00-0020	EA	Removable Center Railing, Single Sphere.....	.....	236.19	4.03
12 66 13 00-0021	LF	Removable Center Railing, Single Rail.....	.....	78.83	4.03
12 66 13 00-0022	EA	Self Storing Side Railing.....	.....	266.80	4.60
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails.....	.....	185.23	4.21
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish.....	.....	16.37	1.15
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish.....	.....	41.98	1.15
12 66 13 00-0026	SF	Rear Filler Panel.....	.....	61.30	0.57
12 66 13 00-0027	EA	4' Scorer/Timer Table.....	.....	490.98	19.57
12 66 13 00-0028	EA	8' Scorer/Timer Table.....	.....	617.41	29.92
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units.....	.....	11,754.04	
12 66 13 00-0030	PR	Portable Dolly For Portable Units.....	.....	13,184.46	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation.....	.....	3.61	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition.....	.....	1.81	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread.....	.....	200.35	34.53
		For Intermediate Steps, Add	.....	20.04	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread.....	.....	559.70	46.04
		For Intermediate Steps, Add	.....	55.97	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread.....	.....	165.82	14.39
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread.....	.....	119.07	14.39
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing.....	.....	769.22	43.16
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing.....	.....	1,589.45	63.30
12 66 13 00-0039	EA	Portable Operator's Handle.....	.....	451.52	

END OF SECTION 12



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

13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 01 Operation and Maintenance of Special Construction⁽¹³⁾

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

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

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

13 01 11 11-0001	Pool Restoration Items ^(13 01 11 11)				
13 01 11 11-0002	LF	Saw Cutting Pool Floor	16.35		
13 01 11 11-0003	SF	Demolish Pool Floor	29.71		
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	41.60		
13 01 11 11-0005	LF	Demolish Pool Coping	24.76		
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	13.33		
13 01 11 11-0007	LF	Install Pool Coping	110.55		
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	693.40		
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	237.74		
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	396.23		
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	792.45		
13 01 11 11-0012	EA	12 Volt, LED Pool Light	994.14		
13 01 11 11-0013	EA	Bond/Set Pool Anchors	205.01		
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	584.61		
13 01 11 11-0015	LF	Form Pool Gutter	27.74		
13 01 11 11-0016	LF	Float Pool Gutter Lip	41.60		
13 01 11 11-0017	LF	Theroseal Pool Gutter	14.79		
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	11.83		
13 01 11 11-0019	EA	Pool Start-up	12,679.34		
13 01 11 11-0020	SF	Up To 1/2" Thick Troweled Pool Plaster	6.04		
		For Radius Or Irregular Surface, Add	2.12		
		For Up To 25, Add	1.40		
		For >25 To 50, Add	0.83		
		For >50 To 150, Add	0.40		
13 01 11 11-0021	SF	>1/2" To 1" Thick Troweled Pool Plaster	8.65		
		For Radius Or Irregular Surface, Add	3.06		
		For Up To 25, Add	2.01		
		For >25 To 50, Add	1.20		
		For >50 To 150, Add	0.57		
13 01 11 11-0022	SF	1" x 1" Glass Pool Tile Sheet	20.52		1.95
13 01 11 11-0023	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	25.00		1.95
13 01 11 11-0024	SF	6" x 6" Porcelain Pool Tile	30.66		1.95
13 01 11 11-0025	Swimming Pool Plaster Restoration ^(13 01 11 11)				
13 01 11 11-0026	SF	Chip, Clean And Repair Plaster Up To 10 SF On Swimming Pool	39.55		
13 01 11 11-0027	SF	Chip, Clean And Repair Plaster >10 To 50 SF On Swimming Pool	28.72		
13 01 11 11-0028	SF	Chip, Clean And Repair Plaster >50 To 250 SF On Swimming Pool	21.15		
13 01 11 11-0029	SF	Chip, Clean And Repair Plaster >250 To 1,000 SF On Swimming Pool	16.82		
13 01 11 11-0030	SF	Chip, Clean And Repair Plaster >1,000 SF On Swimming Pool	12.49		

13 10 Special Facility Components⁽¹³⁾

13 11 Swimming Pools^(13 10)

13 11 46 Swimming Pool Accessories^(13 11)

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

13 11 46 00-0001	Diving Boards ^(13 11 46)				
13 11 46 00-0002	EA	14' Long, Aluminum Diving Boards	7,693.84		425.84
		For Wheel Adjuster, Add	117.56		
13 11 46 00-0003	EA	14' Long, Fiberglass Diving Boards	5,690.99		425.84
		For Wheel Adjuster, Add	117.56		
13 11 46 00-0004	EA	8' Long, Fiberglass Diving Board	3,106.80		353.33
		For Wheel Adjuster, Add	109.50		
13 11 46 00-0005	EA	10' Long, Fiberglass Diving Board	4,100.17		377.50
		For Wheel Adjuster, Add	112.18		
13 11 46 00-0006	EA	12' Long, Fiberglass Diving Board	5,071.38		402.82
		For Wheel Adjuster, Add	114.96		
13 11 46 00-0007	Diving Stand ^(13 11 46)				
13 11 46 00-0008	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	28,387.17		2,877.31
13 11 46 00-0009	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	35,451.15		2,877.31
13 11 46 00-0010	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	16,812.02		1,150.93
13 11 46 00-0011	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	22,029.03		1,150.93
13 11 46 00-0012	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	6,201.05		534.03

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0013		Heavy-Duty Ladders (13 11 46)		
13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,528.49	164.58
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	2,531.59	164.58
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,754.68	189.90
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	3,116.76	189.90
13 11 46 00-0018		Lifeguard Chair (13 11 46)		
13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	3,943.10	425.84
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	5,700.54	425.84
13 11 46 00-0021		Underwater Lights (13 11 46)		
13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	524.32	172.15
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	516.05	172.15
13 11 46 00-0024		Pool Covers (13 11 46) Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	17.41	7.32
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	17.46	7.32
13 11 46 00-0027		Curved Slides With Water Tube (13 11 46)		
13 11 46 00-0028	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....	11,357.56	880.80
13 11 46 00-0029		Slides With Water Tube (13 11 46)		
13 11 46 00-0030	EA	5' Straight, Fiberglass Pool Slide.....	5,788.82	647.39
13 11 46 00-0031		Pool Equipment And Accessories (13 11 46)		
13 11 46 00-0032	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount..... Note: Spectrum #5030.	7,988.62	
13 11 46 00-0033	EA	Swim Lift, With Arm, Stainless Steel, Deck Mount..... Note: Spectrum Traveler XRC #26705.	11,691.96	
13 11 46 00-0034	EA	Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High..... Note: Paragon #37-164 "Lookout Dual Side Mount".	9,210.47	431.59
13 11 46 00-0035	EA	Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High..... Note: Paragon #37-164 "Lookout Platform".	15,332.42	460.37
13 11 46 00-0036	EA	Lifeguard Chair, Stainless Steel, 6' High..... Note: Paragon #38-005 "OSHA Guard Chair".	9,913.63	460.37
13 11 46 00-0037	EA	Lifeguard Chair, Stainless Steel, 6' High..... Note: Paragon #38-010 "Ultraflyte Guard Chair".	8,462.51	460.37
13 11 46 00-0038	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness..... Note: Requires four anchors sockets and escutcheons. Paragon #36-070.	1,679.47	115.09
13 11 46 00-0039	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness..... Note: Requires four anchors sockets and escutcheons. Paragon #36-075.	1,893.05	115.09
13 11 46 00-0040	EA	Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube.....	274.97	
13 11 46 00-0041	EA	Stainless Steel Escutcheon For 1.90" Outside Diameter Tube.....	51.78	
13 11 46 00-0042	EA	Rope Anchor.....	46.20	
13 11 46 00-0043	EA	Stanchion Post Socket.....	272.86	
13 11 46 00-0044	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	858.95	57.54
		<i>For 3-Bend Handrail, Add</i>	26.04	
13 11 46 00-0045	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	1,005.41	57.54
		<i>For 3-Bend Handrail, Add</i>	31.16	
13 11 46 00-0046	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	919.98	57.54
		<i>For 3-Bend Handrail, Add</i>	28.17	
13 11 46 00-0047	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	1,084.74	57.54
		<i>For 3-Bend Handrail, Add</i>	33.94	
13 11 46 00-0048	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness..... Note: Requires two anchors sockets and escutcheons.	989.54	57.54
		<i>For 3-Bend Handrail, Add</i>	30.61	
13 11 46 00-0049	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness..... Note: Requires two anchors sockets and escutcheons.	1,161.63	57.54
		<i>For 3-Bend Handrail, Add</i>	36.63	
13 11 46 00-0050	EA	1 Meter High Aluminum Diving Stand With Stainless Steel Handrail..... Note: Requires deck anchor set and diving board.	19,440.02	1,150.93
13 11 46 00-0051	EA	3 Meter High Aluminum Diving Stand With Stainless Steel Handrail..... Note: Requires deck anchor set and diving board.	38,304.60	2,301.85
13 11 46 00-0052	SET	Bronze Deck Anchor (Set of 8).....	1,101.35	
13 11 46 00-0053	EA	16" Duraflex Diving Board.....	7,033.59	115.09
13 11 46 00-0054	EA	Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume..... Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.	43,496.25	2,301.85



Special Construction			13
Special Facility Components			13 10
Fountains			13 12

13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 12 Fountains (13 10)**13 12 13 Exterior Fountains** (13 12)**13 12 13 00-0001 Fountains/Aerators** (13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,357.28	175.61
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,603.77	179.47
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,638.26	183.82
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,767.56	188.16
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,898.02	192.98
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,178.16	197.81
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,067.72	203.11
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,838.88	208.42
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,913.66	214.21
13 12 13 00-0011	EA	Aerator Nozzle	798.98	96.49

13 20 Special Purpose Rooms (13)**13 21 Controlled Environment Rooms** (13 20)**13 21 26 Cold Storage Rooms** (13 21)**13 21 26 13 Walk-in Coolers** (13 21 26)

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

13 30 Special Structures (13)**13 34 Fabricated Engineered Structures** (13 30)**13 34 16 Grandstands and Bleachers** (13 34)**13 34 16 13 Grandstands** (13 34 16)**13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame** (13 34 16 13)**13 34 16 13-0002 3 To 15 Tiers** (13 34 16 13-0001)

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	97.72	9.16

13 34 16 13-0004 16 To 30 Tiers (13 34 16 13-0001)

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	152.85	10.31

13 34 19 Metal Building Systems (13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings (13 34 19)

Note: Free-standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0002)

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.53	8.06
		For 20' To 29' In Length Only, Add	2.97	
		For 30' To 49' In Length Only, Add	2.34	
		For 50' To 69' In Length Only, Add	1.37	
		For 70' To 99' In Length Only, Add	0.56	
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.78	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.42	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.85	
		For Single Slope Frame Roof, Add	1.56	
		For Each SF Of 24 Gauge Wall Panel, Add	0.82	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	1.10	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

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

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
13 34 19 00-0005	GSF 12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	30.62		8.85
	For 20' To 29' In Length Only, Add	3.06		
	For 30' To 49' In Length Only, Add	2.41		
	For 50' To 69' In Length Only, Add	1.41		
	For 70' To 99' In Length Only, Add	0.58		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.92		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.53		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.30		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.99		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.67		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.82		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.35		
	For Single Slope Frame Roof, Add	1.61		
	For Each SF Of 24 Gauge Wall Panel, Add	0.87		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.19		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0006	GSF 14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	32.98		9.76
	For 20' To 29' In Length Only, Add	3.15		
	For 30' To 49' In Length Only, Add	2.47		
	For 50' To 69' In Length Only, Add	1.45		
	For 70' To 99' In Length Only, Add	0.60		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.99		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.65		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.47		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.22		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.96		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.27		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.92		
	For Single Slope Frame Roof, Add	1.66		
	For Each SF Of 24 Gauge Wall Panel, Add	0.93		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.31		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0007	GSF 16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	35.55		10.68
	For 20' To 29' In Length Only, Add	3.29		
	For 30' To 49' In Length Only, Add	2.59		
	For 50' To 69' In Length Only, Add	1.51		
	For 70' To 99' In Length Only, Add	0.62		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.07		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.78		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.67		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.47		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.27		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.75		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.53		
	For Single Slope Frame Roof, Add	1.73		
	For Each SF Of 24 Gauge Wall Panel, Add	1.00		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.42		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0008	GSF 18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	38.20		11.59
	For 20' To 29' In Length Only, Add	3.46		
	For 30' To 49' In Length Only, Add	2.72		
	For 50' To 69' In Length Only, Add	1.59		
	For 70' To 99' In Length Only, Add	0.66		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.15		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.91		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.87		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.72		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.26		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.17		
	For Single Slope Frame Roof, Add	1.82		
	For Each SF Of 24 Gauge Wall Panel, Add	1.08		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.53		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0009	GSF 20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	41.99		12.45
	For 20' To 29' In Length Only, Add	4.00		
	For 30' To 49' In Length Only, Add	3.14		
	For 50' To 69' In Length Only, Add	1.84		
	For 70' To 99' In Length Only, Add	0.76		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.26		
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.10		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.15		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.09		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.04		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.98		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.08		
	For Single Slope Frame Roof, Add	2.10		
	For Each SF Of 24 Gauge Wall Panel, Add	1.19		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.64		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		



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

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	47.19	14.28
For 20' To 29' In Length Only, Add	4.34	
For 30' To 49' In Length Only, Add	3.41	
For 50' To 69' In Length Only, Add	2.00	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.36	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.54	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.66	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.97	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	11.33	
For Single Slope Frame Roof, Add	2.29	
For Each SF Of 24 Gauge Wall Panel, Add	1.33	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.86	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0012 GSF 10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.14	6.41
For 30' To 49' In Length Only, Add	2.18	
For 50' To 69' In Length Only, Add	1.28	
For 70' To 99' In Length Only, Add	0.53	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
For Single Slope Frame Roof, Add	1.46	
For Each SF Of 24 Gauge Wall Panel, Add	0.70	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.89	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.80	6.99
For 30' To 49' In Length Only, Add	2.25	
For 50' To 69' In Length Only, Add	1.31	
For 70' To 99' In Length Only, Add	0.54	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.90	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.19	
For Single Slope Frame Roof, Add	1.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.97	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.25	7.57
For 30' To 49' In Length Only, Add	2.29	
For 50' To 69' In Length Only, Add	1.34	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.36	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.04	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.54	
For Single Slope Frame Roof, Add	1.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.78	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.04	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.28	8.24
For 30' To 49' In Length Only, Add	2.41	
For 50' To 69' In Length Only, Add	1.41	
For 70' To 99' In Length Only, Add	0.58	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.85	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.56	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.03	
For Single Slope Frame Roof, Add	1.62	
For Each SF Of 24 Gauge Wall Panel, Add	0.84	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.12	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0016 GSF 18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.71	8.85
For 30' To 49' In Length Only, Add	2.65	
For 50' To 69' In Length Only, Add	1.55	
For 70' To 99' In Length Only, Add	0.64	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.95	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.38	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.09	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.61	
For Single Slope Frame Roof, Add	1.77	
For Each SF Of 24 Gauge Wall Panel, Add	0.91	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.19	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.97	9.46
For 30' To 49' In Length Only, Add	2.82	
For 50' To 69' In Length Only, Add	1.65	
For 70' To 99' In Length Only, Add	0.68	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.02	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.55	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.45	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.15	
For Single Slope Frame Roof, Add	1.89	
For Each SF Of 24 Gauge Wall Panel, Add	0.97	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.28	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.27	10.68
For 30' To 49' In Length Only, Add	2.97	
For 50' To 69' In Length Only, Add	1.74	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.12	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.80	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.08	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.94	
For Single Slope Frame Roof, Add	1.99	
For Each SF Of 24 Gauge Wall Panel, Add	1.06	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.53	4.46
For 30' To 49' In Length Only, Add	1.91	
For 50' To 69' In Length Only, Add	1.12	
For 70' To 99' In Length Only, Add	0.46	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.45	
For Single Slope Frame Roof, Add	1.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.65	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.31	4.69
For 30' To 49' In Length Only, Add	1.97	
For 50' To 69' In Length Only, Add	1.15	
For 70' To 99' In Length Only, Add	0.47	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.88	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.67	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.63	
For Single Slope Frame Roof, Add	1.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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

13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0022	GSF	14'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.08	4.90
			For 30' To 49' In Length Only, Add	2.02	
			For 50' To 69' In Length Only, Add	1.18	
			For 70' To 99' In Length Only, Add	0.49	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.51	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.96	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.41	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.82	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.82	
			For Single Slope Frame Roof, Add	1.36	
			For Each SF Of 24 Gauge Wall Panel, Add	0.59	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.71	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023	GSF	16'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.31	5.68
			For 30' To 49' In Length Only, Add	2.14	
			For 50' To 69' In Length Only, Add	1.25	
			For 70' To 99' In Length Only, Add	0.52	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.35	
			For Single Slope Frame Roof, Add	1.43	
			For Each SF Of 24 Gauge Wall Panel, Add	0.65	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.80	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF	18'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.09	6.31
			For 30' To 49' In Length Only, Add	2.22	
			For 50' To 69' In Length Only, Add	1.30	
			For 70' To 99' In Length Only, Add	0.53	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.78	
			For Single Slope Frame Roof, Add	1.49	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.88	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF	20'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.80	6.96
			For 30' To 49' In Length Only, Add	2.28	
			For 50' To 69' In Length Only, Add	1.33	
			For 70' To 99' In Length Only, Add	0.55	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.94	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.10	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.90	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.19	
			For Single Slope Frame Roof, Add	1.53	
			For Each SF Of 24 Gauge Wall Panel, Add	0.75	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF	24'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.82	7.87
			For 30' To 49' In Length Only, Add	2.49	
			For 50' To 69' In Length Only, Add	1.46	
			For 70' To 99' In Length Only, Add	0.60	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.44	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.16	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.81	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.46	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.48	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.92	
			For Single Slope Frame Roof, Add	1.67	
			For Each SF Of 24 Gauge Wall Panel, Add	0.83	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.07	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)				
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.				
13 34 19 00-0028	20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)				

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0029	GSF		10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.45	6.41
			For 20' To 29' In Length Only, Add	2.86	
			For 30' To 49' In Length Only, Add	2.25	
			For 50' To 69' In Length Only, Add	1.32	
			For 70' To 99' In Length Only, Add	0.54	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.22	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.83	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.38	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.93	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.65	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.87	
			For Each SF Of 24 Gauge Wall Panel, Add	0.71	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.89	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030	GSF		12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.31	6.99
			For 20' To 29' In Length Only, Add	3.02	
			For 30' To 49' In Length Only, Add	2.38	
			For 50' To 69' In Length Only, Add	1.39	
			For 70' To 99' In Length Only, Add	0.57	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.32	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.97	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.57	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.00	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.31	
			For Each SF Of 24 Gauge Wall Panel, Add	0.76	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031	GSF		14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.15	7.57
			For 20' To 29' In Length Only, Add	3.17	
			For 30' To 49' In Length Only, Add	2.50	
			For 50' To 69' In Length Only, Add	1.46	
			For 70' To 99' In Length Only, Add	0.60	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.41	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.11	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.74	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.35	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.76	
			For Each SF Of 24 Gauge Wall Panel, Add	0.82	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.04	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032	GSF		16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.48	8.24
			For 20' To 29' In Length Only, Add	3.41	
			For 30' To 49' In Length Only, Add	2.68	
			For 50' To 69' In Length Only, Add	1.57	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.29	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.97	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.66	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.79	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.32	
			For Each SF Of 24 Gauge Wall Panel, Add	0.88	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.12	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033	GSF		18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	32.56	8.88
			For 20' To 29' In Length Only, Add	3.59	
			For 30' To 49' In Length Only, Add	2.82	
			For 50' To 69' In Length Only, Add	1.65	
			For 70' To 99' In Length Only, Add	0.68	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.98	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.63	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.44	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.17	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.91	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.19	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.81	
			For Each SF Of 24 Gauge Wall Panel, Add	0.94	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.20	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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

13

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
13 34 19 00-0034	GSF 20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.63		9.52
	For 20' To 29' In Length Only, Add	3.77		
	For 30' To 49' In Length Only, Add	2.96		
	For 50' To 69' In Length Only, Add	1.73		
	For 70' To 99' In Length Only, Add	0.71		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.04		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.73		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.60		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.38		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.16		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.58		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.31		
	For Each SF Of 24 Gauge Wall Panel, Add	1.00		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.28		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0035	GSF 24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	38.90		10.86
	For 20' To 29' In Length Only, Add	4.13		
	For 30' To 49' In Length Only, Add	3.25		
	For 50' To 69' In Length Only, Add	1.90		
	For 70' To 99' In Length Only, Add	0.78		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.17		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.95		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.92		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.79		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.67		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.39		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.34		
	For Each SF Of 24 Gauge Wall Panel, Add	1.12		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.44		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0036	>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)			
13 34 19 00-0037	GSF 10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.98		5.68
	For 30' To 49' In Length Only, Add	2.07		
	For 50' To 69' In Length Only, Add	1.21		
	For 70' To 99' In Length Only, Add	0.50		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.66		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.10		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.14		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28		
	For Each SF Of 24 Gauge Wall Panel, Add	0.64		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.80		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0038	GSF 12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.53		6.19
	For 30' To 49' In Length Only, Add	2.15		
	For 50' To 69' In Length Only, Add	1.26		
	For 70' To 99' In Length Only, Add	0.52		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.18		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.29		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.65		
	For Each SF Of 24 Gauge Wall Panel, Add	0.68		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.87		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0039	GSF 14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.08		6.71
	For 30' To 49' In Length Only, Add	2.24		
	For 50' To 69' In Length Only, Add	1.31		
	For 70' To 99' In Length Only, Add	0.54		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.25		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.02		
	For Each SF Of 24 Gauge Wall Panel, Add	0.73		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.93		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.70		7.20
		For 30' To 49' In Length Only, Add	2.36		
		For 50' To 69' In Length Only, Add	1.38		
		For 70' To 99' In Length Only, Add	0.57		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.80		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.34		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.00		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.60		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.07		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.41		
		For Each SF Of 24 Gauge Wall Panel, Add	0.77		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.99		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.36		7.72
		For 30' To 49' In Length Only, Add	2.47		
		For 50' To 69' In Length Only, Add	1.44		
		For 70' To 99' In Length Only, Add	0.59		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.85		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.42		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.13		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.77		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.39		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.81		
		For Each SF Of 24 Gauge Wall Panel, Add	0.82		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	1.05		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.00		8.24
		For 30' To 49' In Length Only, Add	2.57		
		For 50' To 69' In Length Only, Add	1.51		
		For 70' To 99' In Length Only, Add	0.62		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.90		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.50		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.25		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.93		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.70		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.20		
		For Each SF Of 24 Gauge Wall Panel, Add	0.86		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	1.12		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.69		9.40
		For 30' To 49' In Length Only, Add	2.82		
		For 50' To 69' In Length Only, Add	1.65		
		For 70' To 99' In Length Only, Add	0.68		
		For >1 In 12 Slope To 3 In 12 Slope, Add	1.01		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.68		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.53		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.28		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.04		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.40		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.09		
		For Each SF Of 24 Gauge Wall Panel, Add	0.97		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	1.26		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0044		>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)			
13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.83		4.46
		For 30' To 49' In Length Only, Add	1.98		
		For 50' To 69' In Length Only, Add	1.16		
		For 70' To 99' In Length Only, Add	0.48		
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.56		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.94		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.58		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.52		
		For Each SF Of 24 Gauge Wall Panel, Add	0.56		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.65		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		



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

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0046 GSF 12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.89	4.76
For 30' To 49' In Length Only, Add	2.06	
For 50' To 69' In Length Only, Add	1.20	
For 70' To 99' In Length Only, Add	0.50	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.77	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.69	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0047 GSF 14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.91	5.07
For 30' To 49' In Length Only, Add	2.13	
For 50' To 69' In Length Only, Add	1.25	
For 70' To 99' In Length Only, Add	0.51	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.97	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.73	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048 GSF 16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.01	5.37
For 30' To 49' In Length Only, Add	2.23	
For 50' To 69' In Length Only, Add	1.30	
For 70' To 99' In Length Only, Add	0.54	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.15	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.76	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049 GSF 18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.38	5.74
For 30' To 49' In Length Only, Add	2.35	
For 50' To 69' In Length Only, Add	1.37	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.28	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.81	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050 GSF 20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.61	6.05
For 30' To 49' In Length Only, Add	2.47	
For 50' To 69' In Length Only, Add	1.45	
For 70' To 99' In Length Only, Add	0.60	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.85	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.91	
For Each SF Of 24 Gauge Wall Panel, Add	0.73	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.85	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051	GSF		24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.54	6.87
			For 30' To 49' In Length Only, Add	2.71	
			For 50' To 69' In Length Only, Add	1.59	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.69	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.23	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.61	
			For Each SF Of 24 Gauge Wall Panel, Add	0.81	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.95	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052			Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053			Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
			(13 34 19 00-0052)		
13 34 19 00-0054	GSF		14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.04	5.25
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.81	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.81	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.75	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055	GSF		16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.40	5.61
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
			For Each SF Of 24 Gauge Wall Panel, Add	0.62	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.79	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056	GSF		18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.50	5.92
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.69	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.19	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.28	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.40	
			For Each SF Of 24 Gauge Wall Panel, Add	0.65	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.83	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057	GSF		20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.55	6.22
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.65	
			For Each SF Of 24 Gauge Wall Panel, Add	0.68	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.87	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058	GSF		24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.54	6.76
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.28	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.92	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.49	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.85	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.13	
			For Each SF Of 24 Gauge Wall Panel, Add	0.74	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.94	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059			>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		



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

13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0060			GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.45	4.64
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.43	
			For Each SF Of 24 Gauge Wall Panel, Add	0.54	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061			GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.65	4.95
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.72	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.71	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0062			GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.73	5.25
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.02	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.94	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.98	
			For Each SF Of 24 Gauge Wall Panel, Add	0.61	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.75	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063			GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.66	5.49
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.11	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.60	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.12	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.20	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.78	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064			GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.47	5.98
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.29	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.46	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.63	
			For Each SF Of 24 Gauge Wall Panel, Add	0.69	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.84	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065			>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0066			GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.98	4.09
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.08	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.60	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.80	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.27	
		For Each SF Of 24 Gauge Wall Panel, Add	0.53	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.63	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.75	4.51
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.25	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.56	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.50	
		For Each SF Of 24 Gauge Wall Panel, Add	0.55	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.66	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.53	4.70
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.71	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.69	
		For Each SF Of 24 Gauge Wall Panel, Add	0.58	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.68	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.18	5.12
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.02	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.08	
		For Each SF Of 24 Gauge Wall Panel, Add	0.63	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.73	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.50	3.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.14	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.96	
		For Each SF Of 24 Gauge Wall Panel, Add	0.49	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.58	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.17	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12	
		For Each SF Of 24 Gauge Wall Panel, Add	0.51	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.60	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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

13

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.97		4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.54		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.90		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.31		
		For Each SF Of 24 Gauge Wall Panel, Add	0.53		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.63		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.72		4.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.56		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.94		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.25		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.56		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.49		
		For Each SF Of 24 Gauge Wall Panel, Add	0.56		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.65		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.30		4.82
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.61		
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.02		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.87		
		For Each SF Of 24 Gauge Wall Panel, Add	0.60		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.70		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0077		Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)			
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.			
13 34 19 00-0078		Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)			
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	16.49		4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.49		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.82		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.13		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.96		
		For Each SF Of 24 Gauge Wall Panel, Add	0.49		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.60		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.16		4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.51		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.86		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12		
		For Each SF Of 24 Gauge Wall Panel, Add	0.50		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.63		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.15		4.15
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.51		
		For >3 In 12 Slope To 5 In 12 Slope, Add	0.86		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12		
		For Each SF Of 24 Gauge Wall Panel, Add	0.51		
		For Each SF Of Lap Roof, Deduct	-0.76		
		For Each SF Of Hip Roof, Add	0.61		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082	GSF	20'	Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.85	4.33
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.28	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.64	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0083	GSF	24'	Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.90	4.64
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.78	
			For Each SF Of 24 Gauge Wall Panel, Add	0.59	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)					
13 34 19 00-0085	GSF	14'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.50	3.72
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.51	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.86	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.72	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.56	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086	GSF	16'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	16.02	3.85
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.92	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.84	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087	GSF	18'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	16.63	4.00
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.99	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088	GSF	20'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.23	4.15
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.68	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.07	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.27	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.14	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.61	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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

13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089	GSF	24'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	19.27 0.58 0.96 1.45 1.88 2.31 3.66 4.62 0.57 -0.76 0.65 -1.97	4.46
13 34 19 00-0090	Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001) Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.				
13 34 19 00-0091	Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)				
13 34 19 00-0092	GSF	14'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	14.87 0.45 0.74 1.12 1.45 1.78 2.83 3.57 0.44 -0.76 0.54 -1.97	3.54
13 34 19 00-0093	GSF	16'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	15.45 0.46 0.77 1.16 1.51 1.85 2.94 3.71 0.46 -0.76 0.55 -1.97	3.66
13 34 19 00-0094	GSF	18'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	15.98 0.48 0.80 1.20 1.56 1.92 3.04 3.84 0.47 -0.76 0.57 -1.97	3.78
13 34 19 00-0095	GSF	20'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	16.49 0.49 0.82 1.24 1.61 1.98 3.13 3.96 0.49 -0.76 0.58 -1.97	3.90
13 34 19 00-0096	GSF	24'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	18.58 0.56 0.93 1.39 1.81 2.23 3.53 4.46 0.55 -0.76 0.63 -1.97	4.27
13 34 19 00-0097	>160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)				

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098	GSF	14'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 14.60	3.41	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.75	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.50	
			For Each SF Of 24 Gauge Wall Panel, Add	0.43	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.52	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099	GSF	16'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 15.13	3.54	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.63	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.54	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100	GSF	18'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 15.67	3.66	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.88	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.76	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101	GSF	20'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 16.21	3.78	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.58	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.08	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.89	
			For Each SF Of 24 Gauge Wall Panel, Add	0.48	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102	GSF	24'	Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 18.16	4.09	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.18	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.45	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.36	
			For Each SF Of 24 Gauge Wall Panel, Add	0.54	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.60	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings

13 34 19 00-0104	GSF	14'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 14.37	3.29	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.72	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.73	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.45	
			For Each SF Of 24 Gauge Wall Panel, Add	0.43	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	14.81	3.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.55	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	15.38	3.54
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.85	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.92	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.69	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	15.93	3.66
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.82	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	17.91	3.97
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.15	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.30	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0079 for sliding windows.		
13 34 19 00-0110 Metal Framing For Rough Openings (13 34 19 00-0109)		
Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening.....	459.68	136.70
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	684.25	176.98
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	779.86	167.82
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	837.70	170.88
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	886.69	176.98
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	445.36	136.70
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening.....	501.23	155.37
13 34 19 00-0118 LF Additional Girts	12.97	
13 34 19 00-0119 Wall Panel Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	15.87	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	19.05	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	21.87	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	25.10	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0124			Roofing Options For Metal Buildings (13 34 19 00-0109)		
			Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF		Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.62	
13 34 19 00-0126	SF		Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	26.34	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127	SF		Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	27.99	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128	SF		Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	29.30	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129	EA		3' x 10' Translucent Fiberglass Panels.....	206.32	52.48
13 34 19 00-0130	LF		Vented Ridge Vent For Standing Seam Roof	26.93	
13 34 19 00-0131			Insulation For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0132	SF		1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.27	0.35
13 34 19 00-0133	SF		2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.41	0.35
13 34 19 00-0134	SF		3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.60	0.46
13 34 19 00-0135	SF		3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.84	0.46
13 34 19 00-0136	SF		6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.30	0.46
13 34 19 00-0137	SF		1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.54	0.35
13 34 19 00-0138	SF		2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.68	0.35
13 34 19 00-0139	SF		3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.81	0.46
13 34 19 00-0140	SF		3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.00	0.46
13 34 19 00-0141	SF		6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.39	0.46
13 34 19 00-0142	SF		1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.46	0.35
13 34 19 00-0143	SF		2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.62	0.35
13 34 19 00-0144	SF		3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.92	0.46
13 34 19 00-0145	SF		3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.11	0.46
13 34 19 00-0146	SF		6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.47	0.46
13 34 19 00-0147	SF		2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.36	0.35
13 34 19 00-0148	SF		3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.44	0.35
13 34 19 00-0149	SF		4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.62	0.46
13 34 19 00-0150	SF		6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.01	0.46
13 34 19 00-0151	SF		2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.37	0.35
13 34 19 00-0152	SF		3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.46	0.35
13 34 19 00-0153	SF		4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.65	0.46
13 34 19 00-0154	SF		6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.06	0.46
13 34 19 00-0155	SF		2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.82	0.35
13 34 19 00-0156	SF		3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.94	0.35
13 34 19 00-0157	SF		4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.13	0.46
13 34 19 00-0158	SF		6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.54	0.46
13 34 19 00-0159			Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0160	LF		2' End Wall Roof Overhang And 26 Gauge Soffit	47.43	9.52
13 34 19 00-0161	LF		4' End Wall Roof Overhang And 26 Gauge Soffit	71.80	6.84
13 34 19 00-0162	SF		Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	97.28	15.26
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	22.79	
			For Overhead Braced (Up To 10' Wall Projection), Add	13.07	
13 34 19 00-0163	SF		>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	81.27	12.82
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	19.04	
			For Overhead Braced (Up To 10' Wall Projection), Add	10.91	
13 34 19 00-0164	SF		>50 SF, Prefinished Aluminum, Wall Hung Canopy	61.59	10.98
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	14.30	
			For Overhead Braced (Up To 10' Wall Projection), Add	8.14	
13 34 19 00-0165	SF		Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	118.56	23.19
			Note: Includes finished underside and edges.		
13 34 19 00-0166	SF		>50 SF, Prefinished Aluminum, Free Standing Canopy	79.75	14.04
			Note: Includes finished underside and edges.		
13 34 19 00-0167	LF		1' Standard Eave Overhang Without Soffit	42.10	
13 34 19 00-0168	LF		2' Standard Eave Overhang Without Soffit	52.65	
13 34 19 00-0169	LF		3' Standard Eave Overhang Without Soffit	63.48	
13 34 19 00-0170	LF		4' Standard Eave Overhang Without Soffit	74.18	
13 34 19 00-0171	LF		6' Standard Eave Overhang Without Soffit	95.02	
13 34 19 00-0172	LF		1' Standard Eave Overhang And 26 Gauge Soffit	56.04	
			For 24 Gauge, Add	6.06	
13 34 19 00-0173	LF		2' Standard Eave Overhang And 26 Gauge Soffit	70.03	
			For 24 Gauge, Add	7.65	
13 34 19 00-0174	LF		3' Standard Eave Overhang And 26 Gauge Soffit	84.26	
			For 24 Gauge, Add	9.16	
13 34 19 00-0175	LF		4' Standard Eave Overhang And 26 Gauge Soffit	98.50	
			For 24 Gauge, Add	10.68	



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

13

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0176	LF 6' Standard Eave Overhang And 26 Gauge Soffit For 24 Gauge, Add	125.87 13.76	
13 34 19 00-0177	Louvers And Vents For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0178	EA 4' x 3' Fixed Louver	739.08	190.41
13 34 19 00-0179	EA 12" Rotary Vent With Damper	447.82	122.05
13 34 19 00-0180	EA 20" Rotary Vent With Damper	796.33	162.94
13 34 19 00-0181	EA 24" Rotary Vent With Damper	1,059.39	183.08
13 34 19 00-0182	EA Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,209.75	244.10
13 34 19 00-0183	EA Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,291.87	244.10
13 34 19 00-0184	EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,506.83	244.10
13 34 19 00-0185	EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,648.31	244.10
13 34 19 00-0186	EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,803.93	244.10
13 34 19 00-0187	EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,959.55	244.10
13 34 19 00-0188	EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,576.77	305.13
13 34 19 00-0189	EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,831.43	305.13
13 34 19 00-0190	Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191	LF Pre-Engineered Standard Type Gutter, Painted	10.74	3.06
	For Galvanized Instead Of Painted, Deduct	-1.16	
13 34 19 00-0192	LF Pre-Engineered Standard Type Downspout, Painted	10.40	4.27
	For Galvanized Instead Of Painted, Deduct	-0.46	
13 34 23	Fabricated Structures (13 34)		
13 34 23 13	Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001	Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
	Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	463.37	
13 34 23 13-0003	SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	397.52	
13 34 23 13-0004	SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	318.22	
13 34 23 13-0005	SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	251.77	
13 34 23 13-0006	SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	224.96	
13 34 23 13-0007	Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
	Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF Single Trailer Up To 14' x 73'	71.60	
	For Each Delivery And Set-up (Block And Level), Add	1,499.31	
	For Each Knock-Down And Pick-Up, Add	1,204.60	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
13 34 23 13-0009	SF Modular Trailers, Connected	100.24	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-up (Block And Level), Add	3,324.72	
	For Each Knock-Down And Pick-Up, Add	2,641.61	
13 34 23 13-0010	EA Add Per Additional Exterior Door With Frame And Hardware	1,073.98	
13 34 23 13-0011	Portable and Mobile Trailer Accessories (13 34 23 13)		
13 34 23 13-0012	Skirting (13 34 23 13-0011)		
	Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013	Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014	SF 1'-8" High Vinyl Covered Skirt	5.44	1.97
13 34 23 13-0015	SF 3' High Vinyl Covered Skirt	7.91	3.24
13 34 23 13-0016	Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017	SF 1'-8" High Fiberglass Skirt	10.03	3.71
13 34 23 13-0018	SF 3' High Fiberglass Skirt	11.61	4.52
13 34 23 13-0019	Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020	SF 1'-8" High 5/8" Plywood Skirt	9.28	3.94
13 34 23 13-0021	SF 3' High 5/8" Plywood Skirt	10.97	4.75
13 34 23 13-0022	Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023	SF 1'-8" High 26 Gauge Steel Skirt	10.73	3.71
13 34 23 13-0024	SF 3' High 26 Gauge Steel Skirt	12.42	4.52
13 34 23 13-0025	14" x 14" Access Hatch (13 34 23 13-0011)		
	Note: Simple design.		

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	271.01	87.04
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	236.16	87.04
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	268.97	87.04
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch.....	270.64	87.04
13 34 23 13-0030		Pole Anchor (13 34 23 13-0011) Note: Joslyn.		
13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	76.37	33.48
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	86.29	33.48
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	114.85	37.66
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	161.00	41.85
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	183.82	46.04
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	294.55	62.78
13 34 23 13-0037		Aluminum Modular Access Ramp (13 34 23 13-0011) Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,891.38	28.98
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp.....	3,926.16	37.67
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	8,093.94	57.96
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	8,724.17	57.96
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,083.72	37.67
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	4,048.94	28.98
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,655.36	37.67
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,006.91	37.67
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,006.91	37.67
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,564.27	37.67
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	5,117.69	37.67
13 34 23 13-0049		Relocate Portable And Mobile Trailer (13 34 23 13) Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0088 for escort vehicle, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation	1,054.13	
		Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation.....	5,037.45	
		Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer.....	463.81	
		Note: Per trailer		
13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer.....	590.32	
		Note: Per trailer		
13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer.....	716.81	
		Note: Per trailer		
13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer.....	1,433.61	
		Note: Per trailer		
13 34 23 13-0056	MI	Transportation And Delivery Of Trailer.....	19.21	
		See CSI section 01 22 20 00-0089 for escort vehicle service (when required).		
13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer	9,804.32	
		Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
13 34 23 13-0058	EA	Set-up (Block And Level) Trailer, 8' Wide x Up To 35' Long	579.77	
		Note: Per trailer		
13 34 23 13-0059	EA	Set-up (Block And Level) Trailer, 10' Wide x 40' To 50' Long	737.89	
		Note: Per trailer		
13 34 23 13-0060	EA	Set-up (Block And Level) Trailer, 12' Wide x 45' To 60' Long	896.00	
		Note: Per trailer		
13 34 23 13-0061	EA	Set-up (Block And Level) Trailer, 24' Wide x 45' To 60' Long	1,792.02	
		Note: Per trailer		
13 34 23 13-0062	EA	Connection Straps To Anchor.....	26.36	
		Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		
13 34 23 14		Fabricated Classroom Buildings (13 34 23)		
13 34 23 14-0001		Semi-Permanent Modular Transportable Buildings (13 34 23 14)		
13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	106.68	
		For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
		For Each Delivery And Set-up (Block And Level), Add	3,324.72	
		For Each Knock-Down And Pick-Up, Add	2,641.61	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	109.84	
		For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
		For Each Delivery And Set-up (Block And Level), Add	3,324.72	
		For Each Knock-Down And Pick-Up, Add	2,641.61	
13 34 23 16		Fabricated Control Booths (13 34 23)		
13 34 23 16-0001		Fabricated Parking Attendant Booths (13 34 23 16) Note: Excludes foundations and slab.		



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

13

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 16-0002	EA	Parking Booth For Attendant		2,050.18	
13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)					
13 34 23 31-0001 Pavilion Style Metal Shelter Structures (13 34 23 31)					
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.					
13 34 23 31-0002	EA	12' x 12', 8' Eve Height, Pavilion Style Metal Shelter Structure		13,506.05	3,256.37
		For >90 To 100 MPH Wind Load, Add		1,148.01	
		For >100 To 110 MPH Wind Load, Add		1,316.84	
		For >110 To 120 MPH Wind Load, Add		1,688.26	
		For >8' To 10' Eve Height At Perimeter, Add		876.29	
		For >10' To 12' Eve Height At Perimeter, Add		1,628.92	
		For >12' To 14' Eve Height At Perimeter, Add		2,510.91	
13 34 23 31-0003	EA	16' x 16', 8' Eve Height, Pavilion Style Metal Shelter Structure		16,453.65	3,905.69
		For >90 To 100 MPH Wind Load, Add		1,398.56	
		For >100 To 110 MPH Wind Load, Add		1,604.23	
		For >110 To 120 MPH Wind Load, Add		2,056.71	
		For >8' To 10' Eve Height At Perimeter, Add		1,062.63	
		For >10' To 12' Eve Height At Perimeter, Add		1,971.95	
		For >12' To 14' Eve Height At Perimeter, Add		3,040.19	
13 34 23 31-0004	EA	16' x 32', 8' Eve Height, Pavilion Style Metal Shelter Structure		23,078.89	5,858.54
		For >90 To 100 MPH Wind Load, Add		1,961.71	
		For >100 To 110 MPH Wind Load, Add		2,250.19	
		For >110 To 120 MPH Wind Load, Add		2,884.86	
		For >8' To 10' Eve Height At Perimeter, Add		1,521.88	
		For >10' To 12' Eve Height At Perimeter, Add		2,845.82	
		For >12' To 14' Eve Height At Perimeter, Add		4,384.12	
13 34 23 31-0005	EA	20' x 20', 8' Eve Height, Pavilion Style Metal Shelter Structure		20,628.66	4,882.12
		For >90 To 100 MPH Wind Load, Add		1,753.44	
		For >100 To 110 MPH Wind Load, Add		2,011.29	
		For >110 To 120 MPH Wind Load, Add		2,578.58	
		For >8' To 10' Eve Height At Perimeter, Add		1,331.06	
		For >10' To 12' Eve Height At Perimeter, Add		2,469.25	
		For >12' To 14' Eve Height At Perimeter, Add		3,807.02	
13 34 23 31-0006	EA	20' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure		26,155.43	6,102.65
		For >90 To 100 MPH Wind Load, Add		2,223.21	
		For >100 To 110 MPH Wind Load, Add		2,550.15	
		For >110 To 120 MPH Wind Load, Add		3,269.43	
		For >8' To 10' Eve Height At Perimeter, Add		1,680.46	
		For >10' To 12' Eve Height At Perimeter, Add		3,112.44	
		For >12' To 14' Eve Height At Perimeter, Add		4,799.43	
13 34 23 31-0007	EA	20' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure		32,172.69	7,494.05
		For >90 To 100 MPH Wind Load, Add		2,734.68	
		For >100 To 110 MPH Wind Load, Add		3,136.84	
		For >110 To 120 MPH Wind Load, Add		4,021.59	
		For >8' To 10' Eve Height At Perimeter, Add		2,065.36	
		For >10' To 12' Eve Height At Perimeter, Add		3,824.13	
		For >12' To 14' Eve Height At Perimeter, Add		5,897.06	
13 34 23 31-0008	EA	24' x 24', 8' Eve Height, Pavilion Style Metal Shelter Structure		25,789.27	5,858.54
		For >90 To 100 MPH Wind Load, Add		2,192.09	
		For >100 To 110 MPH Wind Load, Add		2,514.45	
		For >110 To 120 MPH Wind Load, Add		3,223.66	
		For >8' To 10' Eve Height At Perimeter, Add		1,643.85	
		For >10' To 12' Eve Height At Perimeter, Add		3,035.54	
		For >12' To 14' Eve Height At Perimeter, Add		4,682.26	
13 34 23 31-0009	EA	24' x 48', 8' Eve Height, Pavilion Style Metal Shelter Structure		41,976.71	9,117.35
		For >90 To 100 MPH Wind Load, Add		3,568.02	
		For >100 To 110 MPH Wind Load, Add		4,092.73	
		For >110 To 120 MPH Wind Load, Add		5,247.09	
		For >8' To 10' Eve Height At Perimeter, Add		2,640.80	
		For >10' To 12' Eve Height At Perimeter, Add		4,852.16	
		For >12' To 14' Eve Height At Perimeter, Add		7,488.12	
13 34 23 31-0010	EA	30' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure		37,001.49	7,323.17
		For >90 To 100 MPH Wind Load, Add		3,145.13	
		For >100 To 110 MPH Wind Load, Add		3,607.65	
		For >110 To 120 MPH Wind Load, Add		4,625.19	
		For >8' To 10' Eve Height At Perimeter, Add		2,269.23	
		For >10' To 12' Eve Height At Perimeter, Add		4,127.97	
		For >12' To 14' Eve Height At Perimeter, Add		6,376.96	
13 34 23 31-0011	EA	30' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure		70,551.76	13,230.54
		For >90 To 100 MPH Wind Load, Add		5,996.90	
		For >100 To 110 MPH Wind Load, Add		6,878.80	
		For >110 To 120 MPH Wind Load, Add		8,818.97	
		For >8' To 10' Eve Height At Perimeter, Add		4,282.46	
		For >10' To 12' Eve Height At Perimeter, Add		7,758.05	
		For >12' To 14' Eve Height At Perimeter, Add		11,989.83	
13 34 23 31-0012	EA	40' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure		62,217.14	11,723.18
		For >90 To 100 MPH Wind Load, Add		5,288.46	
		For >100 To 110 MPH Wind Load, Add		6,066.17	
		For >110 To 120 MPH Wind Load, Add		7,777.14	
		For >8' To 10' Eve Height At Perimeter, Add		3,766.43	
		For >10' To 12' Eve Height At Perimeter, Add		6,815.79	
		For >12' To 14' Eve Height At Perimeter, Add		10,534.77	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0013 EA 40' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure.....	91,627.96	16,281.86
For >90 To 100 MPH Wind Load, Add	7,788.38	
For >100 To 110 MPH Wind Load, Add	8,933.73	
For >110 To 120 MPH Wind Load, Add	11,453.50	
For >8' To 10' Eve Height At Perimeter, Add	5,465.84	
For >10' To 12' Eve Height At Perimeter, Add	9,831.44	
For >12' To 14' Eve Height At Perimeter, Add	15,205.30	

13 40 Integrated Construction ⁽¹³⁾**13 42 Building Modules** ^(13 40)**13 42 63 Detention Cell Modules** ^(13 42)**13 42 63 16 Steel Detention Cell Modules** ^(13 42 63)

13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide.....	13,320.35	928.29
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot.....	28,313.33	1,243.00
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers.....	121.11	8.80
Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels.....	91.46	8.80
Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005 SF Perforated Metal Crime Shield.....	86.96	3.64

13 46 Lightning Protection Systems ^(13 40)**13 46 13 Lightning Protection for Structures** ^(13 46)**13 46 13 00-0001 Lightning Protection** ^(13 46 13)
See CSI section 26 05 26 00-0001 for conductors.**13 46 13 00-0002 Air Terminals For Lightning Protection** ^(13 46 13 00-0001)**13 46 13 00-0003 Copper Lightning Protection Air Terminals** ^(13 46 13 00-0002)

13 46 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	76.95	13.76
13 46 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	95.74	13.76
13 46 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	124.33	13.76
13 46 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	138.28	13.76
13 46 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	267.75	27.50

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	43.66	13.76
13 46 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	56.48	13.76
13 46 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	68.50	13.76
13 46 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	76.64	13.76
13 46 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	140.88	27.50

13 46 13 00-0015 Terminal Bases For Lightning Protection ^(13 46 13 00-0001)**13 46 13 00-0016 Copper Lightning Protection Terminal Bases** ^(13 46 13 00-0015)

13 46 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal.....	106.46	41.26
13 46 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal.....	141.68	55.01
13 46 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal.....	190.58	68.76
13 46 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal.....	141.68	55.01
13 46 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal.....	150.77	55.01
13 46 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal.....	268.15	110.02
13 46 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal.....	188.20	68.76
13 46 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal.....	106.46	41.26

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal.....	85.32	41.26
13 46 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal.....	127.56	55.01
13 46 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal.....	164.64	68.76
13 46 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal.....	127.73	55.01
13 46 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal.....	130.15	55.01
13 46 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	240.99	110.02
13 46 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	168.96	68.76
13 46 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal.....	85.32	41.26

13 46 13 00-0034 Connectors ^(13 46 13 00-0001)**13 46 13 00-0035 Copper Cable Connectors** ^(13 46 13 00-0034)

13 46 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System.....	214.65	68.76
13 46 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System.....	292.71	110.02



Special Construction		13	13
Integrated Construction		13 40	
Lightning Protection Systems		13 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0038 EA Beam Connector For Copper Lightning Protection System	192.24	68.76
13 46 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System.....	45.87	13.76
13 46 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System.....	47.00	13.76
13 46 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal	142.98	41.26
13 46 13 00-0042 Aluminum Cable Connectors (13 46 13 00-0034)		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	172.08	68.76
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	250.93	110.02
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System	166.89	68.76
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	36.08	13.76
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal	107.45	41.26
13 46 13 00-0048 Bonding Plates (13 46 13 00-0001)		
13 46 13 00-0049 Copper Bonding Plates (13 46 13 00-0048)		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	170.59	68.76
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	176.14	68.76
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	259.26	110.02
13 46 13 00-0053 Aluminum Bonding Plates (13 46 13 00-0048)		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	155.66	68.76
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	158.42	68.76
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	233.91	110.02
13 46 13 00-0057 Cable Supports (13 46 13 00-0001)		
13 46 13 00-0058 Copper Cable Supports (13 46 13 00-0057)		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System	32.82	13.76
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	33.87	13.76
13 46 13 00-0061 Aluminum Cable Supports (13 46 13 00-0057)		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System	30.81	13.76
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	30.63	13.76
13 46 13 00-0064 Bonding Straps (13 46 13 00-0001)		
13 46 13 00-0065 Copper Bonding Straps (13 46 13 00-0064)		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	89.77	41.26
13 46 13 00-0067 Aluminum Bonding Straps (13 46 13 00-0064)		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	79.44	41.26
13 46 13 00-0069 Accessories For Lightning Protection (13 46 13 00-0001)		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070 Copper Adapters (13 46 13 00-0069)		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System	34.42	6.87
13 46 13 00-0072 Aluminum Adapters (13 46 13 00-0069)		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System	24.12	6.87
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System	205.02	68.76
13 47 Facility Protection (13 40)		
13 47 13 Cathodic Protection (13 47)		
13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)		
13 47 13 13-0001 Cathodic Joint Bond (13 47 13 13)		
Note: Includes thermite welds with #4 or #6 AWG copper cable as indication per standard details.		
13 47 13 13-0002 EA Cathodic Pipe Joint Bond	232.29	
13 47 13 13-0003 EA Cathodic Fitting Joint Bond.....	408.24	
13 47 13 13-0004 EA Cathodic Valve Joint Bond.....	349.59	
13 47 13 13-0005 EA Cathodic Vault Joint Bond	290.94	
13 47 13 13-0006 EA Cathodic Fire Hydrant Joint Bond	232.29	
13 47 13 13-0007 Anodes (13 47 13 13)		
13 47 13 13-0008 Magnesium Type, Conventional (13 47 13 13-0007)		
13 47 13 13-0009 EA 9 Lb. Magnesium Type Anodes	434.60	191.13

13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0010	EA	17 Lb. Magnesium Type Anodes	644.06	276.24
13 47 13 13-0011	EA	32 Lb. Magnesium Type Anode	877.20	355.38
13 47 13 13-0012	EA	48 Lb. Magnesium Type Anode	1,248.21	497.23
13 47 13 13-0013		Graphite Type (13 47 13 13-0007) Note: Includes epoxy cap.		
13 47 13 13-0014	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	669.46	278.95
13 47 13 13-0015	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	1,036.96	389.53
13 47 13 13-0016	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	773.35	243.77
13 47 13 13-0017	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,178.34	325.45
13 47 13 13-0018		Rectifiers (13 47 13 13)		
13 47 13 13-0019		Air-Cooled, Silicon Type (13 47 13 13-0018)		
13 47 13 13-0020	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,352.15	396.07
13 47 13 13-0021	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,546.79	396.07
13 47 13 13-0022		Oil Immersed, Silicon Type (13 47 13 13-0018)		
13 47 13 13-0023	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,556.11	457.96
13 47 13 13-0024	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,764.65	457.96
13 47 13 13-0025		Anode Backfill (13 47 13 13)		
13 47 13 13-0026	LB	Anode Backfill, Coke Breeze	1.32	0.50
13 47 13 13-0027		Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 8	2,649.50	975.08
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 6	2,959.58	975.08
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 4	3,424.68	975.08
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2 - No 2	4,199.87	975.08
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2 - No 1	5,245.61	1,074.34
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 1/0	5,826.99	1,074.34
13 47 13 13-0034	MLF	Cathodic Protection Cable, OR2-No 2/0	6,795.97	1,074.34
13 47 13 13-0035	MLF	Cathodic Protection Cable, OR2-No 4/0	9,314.16	1,171.10
13 47 13 13-0036		Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0037		Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0036)		
13 47 13 13-0038	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	340.06	114.14
13 47 13 16		Cathodic Protection for Underground Storage Tanks (13 47 13) See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.		
13 48 Sound, Vibration, and Seismic Control		(13 40)		
13 48 53		Manufactured Seismic Control Components (13 48)		
13 48 53 00-0001		Seismic Bracing Assembly (13 48 53)		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	165.51	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	165.10	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	248.10	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	322.39	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	339.92	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	505.97	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	672.01	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener	193.44	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener	286.27	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener	379.07	
13 48 53 00-0012		Seismic Brace Components (13 48 53)		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)	34.92	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)	48.88	



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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)	65.65		
Note: To be used with 7x19 stranded cable.					
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)	90.76		
Note: To be used with 7x19 stranded cable.					
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1)	32.64		
Note: To be used with angle or channel.					
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2)	44.93		
Note: To be used with angle or channel.					
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3)	59.86		
Note: To be used with angle or channel.					
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4)	81.80		
Note: To be used with angle or channel.					
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1)	40.10		
Note: To be used with 7x19 stranded cable.					
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2)	53.71		
Note: To be used with 7x19 stranded cable.					
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3)	75.66		
Note: To be used with 7x19 stranded cable.					
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1)	72.15		
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.					
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2)	102.44		
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.					
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3)	140.63		
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.					
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1)	30.12		
Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.					
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2)	37.14		
Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.					
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2)	46.80		
Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.					
13 48 63 Fabricated Seismic Control Assemblies (13 48)					
13 48 63 00-0001 Seismic Restraints (13 48 63)					
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole	5.53		1.15
Note: Adhesive applied.					
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.38		0.57
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole	7.25		1.44
Note: Adhesive applied.					
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.59		0.71
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.08		0.84
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.04		1.02
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	4.99		0.87
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.45		0.87
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.36		0.57
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	10.91		1.72
13 48 63 00-0012	LF	Seismic Chord, Black	2.90		0.87
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	3.92		0.87
13 48 63 00-0014 ISAT Seismic Restraint Kits (13 48 63)					
Note: Pipe/Conduit restraint kit includes hanger, pipe clamp, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors. Trapeze rack restraint kits include Unistrut, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors.					
13 48 63 00-0015 Trapeze Rack Restraints (13 48 63 00-0014)					
13 48 63 00-0016	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R3-N4-TR	241.71		
13 48 63 00-0017	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R3-N4-TR	537.21		
13 48 63 00-0018	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R3-N4-TR	680.56		
13 48 63 00-0019	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N5-TR	393.86		
13 48 63 00-0020	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N7-TR	397.99		
13 48 63 00-0021	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R7-N4-TR	241.71		
13 48 63 00-0022	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R10-N8-TR	688.81		
13 48 63 00-0023	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R7-N4-TR	537.21		
13 48 63 00-0024 Single Hung Pipe Restraints (13 48 63 00-0014)					
13 48 63 00-0025	EA	1-Way Rigid Seismic Brace For 1" Diameter Pipe, ISAT Kit Number 1R1-N4-1"-SH	213.06		
13 48 63 00-0026	EA	2-Way Rigid Seismic Brace For 1" Diameter Pipe, ISAT Kit Number 1R1-N4-1"-SH	343.18		
13 48 63 00-0027	EA	1-Way Rigid Seismic Brace For 1.25" Diameter Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	226.13		
13 48 63 00-0028	EA	2-Way Rigid Seismic Brace For 1.25" Diameter Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	356.26		
13 48 63 00-0029	EA	1-Way Rigid Seismic Brace For 1.5" Diameter Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	237.73		
13 48 63 00-0030	EA	2-Way Rigid Seismic Brace For 1.5" Diameter Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	367.86		
13 48 63 00-0031	EA	1-Way Rigid Seismic Brace For 2" Diameter Pipe, ISAT Kit Number 1R1-N4-2"-SH	251.86		
13 48 63 00-0032	EA	2-Way Rigid Seismic Brace For 2" Diameter Pipe, ISAT Kit Number 1R1-N4-2"-SH	381.98		
13 48 63 00-0033	EA	1-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 1R3-N4-2.5"-SH	269.58		
13 48 63 00-0034	EA	2-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 2R3-N4-2.5"-SH	399.71		
13 48 63 00-0035	EA	1-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 1R3-N4-3"-SH	283.20		
13 48 63 00-0036	EA	2-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 2R3-N4-3"-SH	413.32		
13 48 63 00-0037	EA	1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N4-4"-SH	305.32		
13 48 63 00-0038	EA	1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N7-4"-SH	307.38		
13 48 63 00-0039	EA	2-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 2R7-N7-4"-SH	439.57		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0040 EA 1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N7-6"-SH.....	352.07	
13 48 63 00-0041 EA 1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N8-6"-SH.....	354.13	
13 48 63 00-0042 EA 2-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 2R11-N8-6"-SH.....	486.33	
13 48 63 00-0043 EA 1-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 1R17-N5-8"-SH.....	379.39	
13 48 63 00-0044 EA 1-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 1R19-N8-8"-SH.....	381.46	
13 48 63 00-0045 EA 2-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 2R19-N8-8"-SH.....	513.64	
13 48 63 00-0046 Single Hung Cast Iron Pipe Restraints (13 48 63 00-0014)		
13 48 63 00-0047 EA 1-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 1R3-N4-2.5"-CI.....	269.58	
13 48 63 00-0048 EA 2-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 2R3-N4-2.5"-CI.....	399.71	
13 48 63 00-0049 EA 1-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 1R3-N4-3"-CI.....	283.20	
13 48 63 00-0050 EA 2-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 2R3-N4-3"-CI.....	413.32	
13 48 63 00-0051 EA 1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N4-4"-CI.....	305.32	
13 48 63 00-0052 EA 2-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 2R7-N4-4"-CI.....	433.48	
13 48 63 00-0053 EA 1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N4-6"-CI.....	352.07	
13 48 63 00-0054 EA 2-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 2R11-N4-6"-SH.....	486.33	
13 48 63 00-0055 Single Hung Rigid Conduit Restraints (13 48 63 00-0014)		
13 48 63 00-0056 EA 1-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 1R3-N4-3"-SC.....	283.20	
13 48 63 00-0057 EA 2-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 2R3-N4-3"-SC.....	413.32	
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding	44.98	6.91
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding	77.31	7.48
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding	138.75	8.05
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding	265.91	10.36
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,271.57	152.73
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,910.42	152.73
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,227.06	183.27
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,993.69	183.27
13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	22,081.99	244.37
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	22,976.38	244.37
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	23,676.39	274.92
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	25,526.22	305.45
13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	33,575.77	305.45
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	35,236.79	305.45
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	35,997.83	366.55
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	38,614.23	397.10
13 49 16 00-0017 X-Ray Barriers, Mobile (13 49 16)		
Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)		
Note: Includes Framework		
13 49 16 00-0019 EA 24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers.....	7,084.93	28.77
13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)		
Note: Includes Framework		
13 49 16 00-0021 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	12,579.07	28.77
13 49 16 00-0022 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	15,134.49	28.77
13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)		
Note: Includes Framework		
13 49 16 00-0024 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	14,878.95	28.77
13 49 16 00-0025 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	18,839.84	28.77



Special Construction		13	13
Integrated Construction		13 40	
Radiation Protection		13 49	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

13 49 19 Lead-Lined Materials (13 49)

13 49 19 16 Lead-Lined Drywall (13 49 19)

13 49 19 16-0001 Lead Lined Drywall (13 49 19 16)

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	25.03	1.51
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	44.11	1.80
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	80.76	2.17

END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 49	Radiation Protection



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

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

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

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

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	558.19	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	744.25	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	465.16	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	465.16	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	279.09	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	183.15	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	228.94	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,330.33	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,662.91	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	665.16	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,496.63	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	997.75	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,328.08	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,660.66	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,995.49	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,494.37	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,330.33	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,157.10	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,426.74	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,157.10	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,157.10	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,157.10	

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

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	44,529.12	9,601.36
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			10,150.47	
Note: Includes Pump.				
For An Additional Stop, Add			10,232.96	
Note: Includes Removal.				
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	48,052.58	11,601.64
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			10,249.77	
Note: Includes Pump.				
For An Additional Stop, Add			10,873.22	
Note: Includes Removal.				
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	57,050.29	13,201.86
Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			11,838.49	
Note: Includes Pump.				
For An Additional Stop, Add			13,987.60	
Note: Includes Removal.				
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,978.52	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	80.55	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	887.60	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,659.10	800.11
Note: Includes cover plate.				
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	3,951.33	800.11
Note: Includes cover plate.				
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	8,641.00	
Note: Excludes build back.				
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	9,435.36	
Note: Excludes build back.				
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	9,151.37	
Note: Excludes build back.				
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	9,945.73	
Note: Excludes build back.				
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	98.38	22.86
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	84.28	22.86
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.07	3.00
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,765.01	600.08
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Vicaulic Fittings)	21,902.43	3,350.48
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,959.57	800.11
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	500.98	200.03
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	489.43	400.06
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	676.03	350.05
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,222.95	800.11
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	671.91	370.05

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048 EA Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL).....	489.43	400.06
14 01 20 71-0049 EA Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing).....	741.63	400.06
14 01 20 71-0050 EA Fire Service Key Switch Controller	4,207.51	800.11
14 01 20 71-0051 EA ADA Telephone (Rath Microtech).....	1,163.08	400.06
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	8,565.95	1,600.23
14 01 20 71-0053 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	9,268.96	1,600.23
14 01 20 71-0054 EA Car Door Safety Edge (Infrared Proximity Type Edge).....	2,885.99	400.06
14 01 20 71-0055 EA Car Operating Panel (ADA, Fire, Position, Chime)	9,566.84	1,600.23
14 01 20 71-0056 EA Car Position LED Indicator And Cover Plate, Stainless Steel.....	2,140.59	400.06
14 01 20 71-0057 EA Car Traveling Lanterns With Audible Signal	1,855.52	400.06
14 01 20 71-0058 EA Hoistway Door Jamb Floor Tags (Braille)	271.52	200.03
14 01 20 71-0059 EA Lobby Vandal Resistant Call Station.....	1,746.29	400.06
14 01 20 71-0060 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	22.96	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0061 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	6,400.90	3,200.45
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.		
14 01 20 71-0062 LF Governor Cable	1.79	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0063 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	7,169.38	800.11
14 01 20 71-0064 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,346.82	800.11
14 01 20 71-0065 EA Removal And Replacement Of Governor.....	6,014.68	800.11
14 01 20 71-0066 EA Removal And Replacement Of Car Station.....	9,566.84	1,600.23
14 01 20 71-0067 EA Removal And Replacement Of Telephone.....	2,004.46	400.06
14 01 20 71-0068 EA Removal And Replacement Of Hall Lanterns	1,495.17	400.06
14 01 20 71-0069 EA Hall Call Buttons, Vandal Resistant	897.25	400.06
14 01 20 71-0070 EA Hall Traveling Lanterns With Audible Signal	1,895.23	400.06
14 01 20 71-0071 EA Add Raised Character (Braille) Signage To Control Panel	223.27	200.03
14 01 20 71-0072 EA New Microprocessor Based Controller (Non-Proprietary).....	51,106.67	6,400.90
14 01 20 71-0073 EA New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	29,460.36	6,400.90
14 01 20 71-0074 EA New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	45,790.76	6,400.90
14 01 20 71-0075 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	3,711.03	
14 01 20 71-0076 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,929.48	
14 01 20 71-0077 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	4,169.78	
14 01 20 71-0078 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	4,431.92	
14 01 20 71-0079 EA Elevator Pit Ladder, Steel	3,492.58	400.06
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0080 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	56,934.81	6,400.90
14 01 20 71-0081 LF Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	146.82	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	156.50	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 LF Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	163.14	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0084 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	10,399.55	800.11
14 01 20 71-0085 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,187.65	800.11
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,286.94	800.11
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,386.24	800.11
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,505.39	800.11
Note: Cladding typically done by metal company.		
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,350.99	800.11
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,350.99	800.11
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,322.79	800.11
14 01 20 71-0092 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,308.69	800.11
14 01 20 71-0093 EA 60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,123.84	174.23
14 01 20 71-0094 EA 100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,382.84	209.08
14 01 20 71-0095 EA 200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,534.86	243.92
14 01 20 71-0096 EA Aluminum Handrail Spacers With Set Screw	241.28	200.03
14 01 20 71-0097 EA Bronze Handrail Spacers With Set Screw	246.78	200.03
14 01 20 71-0098 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	166.62	47.07
14 01 20 71-0099 LF 3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	160.14	47.07
14 01 20 71-0100 LF 3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	190.41	47.07
14 01 20 71-0101 LF 3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	210.90	47.07
14 01 20 71-0102 LF 3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	241.40	47.07
14 01 20 71-0103 LF 3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	194.22	47.07
14 01 20 71-0104 LF 3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	221.15	47.07
14 01 20 71-0105 LF 3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	344.71	47.07
14 01 20 71-0106 LF 3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	387.45	47.07
14 01 20 71-0107 LF 3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail.....	159.11	47.07
14 01 20 71-0108 LF 3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail.....	160.76	47.07
14 01 20 71-0109 LF 3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail.....	205.50	47.07
14 01 20 71-0110 LF 3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail.....	192.31	47.07
14 01 20 71-0111 LF 3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail.....	206.37	47.07
14 01 20 71-0112 LF 3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail.....	258.82	47.07



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113	LF		3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	198.99	47.07
14 01 20 71-0114	LF		3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	203.51	47.07
14 01 20 71-0115	LF		3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	341.49	47.07
14 01 20 71-0116	LF		3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	223.77	47.07
14 01 20 71-0117	LF		3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	342.37	47.07
14 01 20 71-0118	LF		3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	387.45	47.07

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

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

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

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	802.85
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	183.15
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,415.71

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

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,066.35
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,215.39
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,325.20
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,508.41
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	193.54

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

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

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

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

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	374,839.12
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Each Opening With Two Speed Doors, Add	849.12
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	1,563.04
		For Class "C-2" Loading, Add	1,876.40
		For Class "C-3" Loading, Add	2,566.92
		For Removal Of Existing Stop, Add	8,801.01
		For Each Additional Stop, Add	35,174.58
		For Each Floor < 6 Stops, Deduct	-30,501.87
		For Each Additional 50 FPM, Add	5,629.20
		For Removal Of Existing Elevator, Add	44,005.06
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	395,968.74
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Each Opening With Two Speed Doors, Add	849.12
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	3,126.08
		For Class "C-2" Loading, Add	3,752.80
		For Class "C-3" Loading, Add	5,201.38
		For Removal Of Existing Stop, Add	8,801.01
		For Each Additional Stop, Add	35,174.58
		For Each Floor < 6 Stops, Deduct	-30,501.87
		For Each Additional 50 FPM, Add	5,629.20
		For Removal Of Existing Elevator, Add	44,005.06
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	418,760.44
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	3,126.08
		For Class "C-2" Loading, Add	3,752.80
		For Class "C-3" Loading, Add	5,201.38
		For Custom Plastic Laminated Cab Interiors, Add	4,691.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40
		For Stainless Steel Cab Interior, Add	8,443.80
		For Removal Of Existing Stop, Add	8,801.01
		For Each Additional Stop, Add	36,112.78
		For Each Additional 50 FPM, Add	5,629.20
		For Each Opening With Bonderized Steel Door, Add	281.46
		For Each Opening With Stainless Steel Doors, Add	562.92
		For Each Opening With Two Speed Doors, Add	703.65
		For Removal Of Existing Elevator, Add	44,005.06
		For Each Floor < 6 Stops, Deduct	-31,501.87

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005 EA Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	428,753.51	
For Elevator With Manual Door, Deduct	-10,000.00	
For Class "C-1" Loading, Add	3,126.08	
For Class "C-2" Loading, Add	3,752.80	
For Class "C-3" Loading, Add	5,201.38	
For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
For Stainless Steel Cab Interior, Add	8,443.80	
For Removal Of Existing Stop, Add	8,801.01	
For Each Additional Stop, Add	36,112.78	
For Each Additional 50 FPM, Add	5,629.20	
For Each Opening With Bonderized Steel Door, Add	281.46	
For Each Opening With Stainless Steel Doors, Add	562.92	
For Each Opening With Two Speed Doors, Add	703.65	
For Removal Of Existing Elevator, Add	44,005.06	
For Each Floor < 6 Stops, Deduct	-31,501.87	
14 21 13 00-0006 EA Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	442,068.86	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional 50 FPM, Add	14,152.00	
For Class "C-1" Loading, Add	6,254.04	
For Class "C-2" Loading, Add	7,505.60	
For Class "C-3" Loading, Add	10,267.66	
For Removal Of Existing Stop, Add	8,801.01	
For Each Additional Stop, Add	36,112.78	
For Each Opening With Bonderized Steel Door, Add	375.28	
For Each Opening With Stainless Steel Doors, Add	656.74	
For Each Opening With Two Speed Doors, Add	797.47	
For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
For Stainless Steel Cab Interior, Add	9,382.00	
For Removal Of Existing Elevator, Add	44,005.06	
For Each Floor < 6 Stops, Deduct	-31,501.87	
14 21 13 00-0007 EA Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	457,251.87	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional 50 FPM, Add	14,152.00	
For Class "C-1" Loading, Add	6,254.04	
For Class "C-2" Loading, Add	7,505.60	
For Class "C-3" Loading, Add	10,267.66	
For Removal Of Existing Stop, Add	8,801.01	
For Each Additional Stop, Add	36,112.78	
For Each Opening With Bonderized Steel Door, Add	375.28	
For Each Opening With Stainless Steel Doors, Add	656.74	
For Each Opening With Two Speed Doors, Add	797.47	
For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
For Stainless Steel Cab Interior, Add	9,382.00	
For Removal Of Existing Elevator, Add	44,005.06	
For Each Floor < 6 Stops, Deduct	-31,501.87	
14 21 13 00-0008 EA Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	470,182.47	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional 50 FPM, Add	14,152.00	
For Class "C-1" Loading, Add	6,254.04	
For Class "C-2" Loading, Add	7,505.60	
For Class "C-3" Loading, Add	10,267.66	
For Removal Of Existing Stop, Add	8,801.01	
For Each Additional Stop, Add	36,112.78	
For Each Opening With Bonderized Steel Door, Add	375.28	
For Each Opening With Stainless Steel Doors, Add	656.74	
For Each Opening With Two Speed Doors, Add	797.47	
For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
For Stainless Steel Cab Interior, Add	9,382.00	
For Removal Of Existing Elevator, Add	44,005.06	
For Each Floor < 6 Stops, Deduct	-31,501.87	

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

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

14 21 23 13-0002 EA Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	280,617.02	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	287,997.14	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	294,368.43	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	299,040.14	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	305,033.89	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	310,865.16	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	316,837.90	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
For Stainless Steel Cab Interior, Add	7,505.60	
For Each Additional 50 FPM, Add	5,837.70	
For Removal Of Existing Stop, Add	4,400.51	
For Each Additional Stop, Add	35,174.58	
For Each Floor < 6 Stops, Deduct	-21,001.26	
For Removal Of Existing Elevator, Add	33,003.80	

14 24 Hydraulic Elevators (14 20)

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

14 24 13 Hydraulic Freight Elevators (14 24)

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

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

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	231,246.35	
			For Each Additional Stop, Add	26,424.73	
			For 2 Stops, Deduct	-15,856.94	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional 50 FPM, Add	2,830.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,563.04	
			For Class "C-2" Loading, Add	1,876.40	
			For Class "C-3" Loading, Add	2,566.92	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	22,002.53	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	238,560.87	
			For Each Additional Stop, Add	26,424.73	
			For 2 Stops, Deduct	-15,856.94	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional 50 FPM, Add	2,830.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,563.04	
			For Class "C-2" Loading, Add	1,876.40	
			For Class "C-3" Loading, Add	2,566.92	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	22,002.53	
14 24 13 00-0004	EA		Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	245,430.76	
			For Each Additional Stop, Add	26,424.73	
			For 2 Stops, Deduct	-15,856.94	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional 50 FPM, Add	2,830.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,563.04	
			For Class "C-2" Loading, Add	1,876.40	
			For Class "C-3" Loading, Add	2,566.92	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	22,002.53	
14 24 13 00-0005	EA		Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	252,088.19	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional 50 FPM, Add	2,830.40	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,839.93	
			For 2 Stops, Deduct	-16,856.94	
			For Class "C-1" Loading, Add	3,126.08	
			For Class "C-2" Loading, Add	3,752.80	
			For Class "C-3" Loading, Add	5,201.38	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	22,002.53	



Conveying Equipment			14
Elevators			14 20
Hydraulic Elevators			14 24

14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA		Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	266,067.85	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,839.93	
			For 2 Stops, Deduct	-16,856.94	
			For Class "C-1" Loading, Add	3,126.08	
			For Class "C-2" Loading, Add	3,752.80	
			For Class "C-3" Loading, Add	5,201.38	
			For Each Additional 50 FPM, Add	14,152.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	22,002.53	
14 24 13 00-0007	EA		Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	272,774.58	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,839.93	
			For 2 Stops, Deduct	-16,856.94	
			For Class "C-1" Loading, Add	3,126.08	
			For Class "C-2" Loading, Add	3,752.80	
			For Class "C-3" Loading, Add	5,201.38	
			For Each Additional 50 FPM, Add	14,152.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	33,003.80	
14 24 13 00-0008	EA		Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	282,877.92	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,839.93	
			For 2 Stops, Deduct	-16,856.94	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Each Additional 50 FPM, Add	15,567.20	
			For Class "C-1" Loading, Add	7,815.21	
			For Class "C-2" Loading, Add	9,382.00	
			For Class "C-3" Loading, Add	12,834.58	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	33,003.80	
14 24 13 00-0009	EA		Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	290,273.76	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,839.93	
			For 2 Stops, Deduct	-16,856.94	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,801.01	
			For Removal Of Existing Elevator, Add	33,003.80	
			For Each Additional 50 FPM, Add	16,982.40	
			For Class "C-1" Loading, Add	10,394.32	
			For Class "C-2" Loading, Add	12,478.06	
			For Class "C-3" Loading, Add	17,069.61	

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	.....	302,817.52	
		For Each Opening With Bonderized Steel Door, Add		283.04	
		For Each Opening With Stainless Steel Doors, Add		707.60	
		For Each Opening With Two Speed Doors, Add		849.12	
		For Elevator With Manual Door, Deduct		-10,000.00	
		For Each Additional Stop, Add		27,839.93	
		For 2 Stops, Deduct		-16,856.94	
		For Custom Plastic Laminated Cab Interiors, Add		4,691.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		6,567.40	
		For Stainless Steel Cab Interior, Add		8,443.80	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		321.48	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Removal Of Existing Stop, Add		8,801.01	
		For Removal Of Existing Elevator, Add		33,003.80	
		For Each Additional 50 FPM, Add		16,982.40	
		For Class "C-1" Loading, Add		10,394.32	
		For Class "C-2" Loading, Add		12,478.06	
		For Class "C-3" Loading, Add		17,069.61	
14 24 13 00-0011		Hydraulic Elevators Piston Drilling (14 24 13)			
14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	.....	101.57	
		Note: Includes casing.			
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	.....	121.33	
		Note: Includes casing.			
14 24 23		Hydraulic Passenger Elevators (14 24)			
14 24 23 00-0001		Hydraulic Passenger Elevators (14 24 23)			
		Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.			
14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	.....	160,716.50	
		For Each Additional Stop, Add		26,424.73	
		For Each Opening With Bonderized Steel Door, Add		283.04	
		For Each Opening With Stainless Steel Doors, Add		707.60	
		For Custom Plastic Laminated Cab Interiors, Add		3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		5,629.20	
		For Stainless Steel Cab Interior, Add		7,505.60	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		321.48	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Each Additional 50 FPM, Add		5,837.70	
		For Removal Of Existing Elevator, Add		22,002.53	
		For Removal Of Existing Stop, Add		4,400.51	
		For 2 Stops, Deduct		-10,000.00	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	.....	163,546.90	
		For Each Additional Stop, Add		26,424.73	
		For Each Opening With Bonderized Steel Door, Add		283.04	
		For Each Opening With Stainless Steel Doors, Add		707.60	
		For Custom Plastic Laminated Cab Interiors, Add		3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		5,629.20	
		For Stainless Steel Cab Interior, Add		7,505.60	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		321.48	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Each Additional 50 FPM, Add		5,837.70	
		For Removal Of Existing Elevator, Add		22,002.53	
		For Removal Of Existing Stop, Add		4,400.51	
		For 2 Stops, Deduct		-10,000.00	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	.....	165,492.80	
		For Each Additional Stop, Add		26,424.73	
		For Each Opening With Bonderized Steel Door, Add		283.04	
		For Each Opening With Stainless Steel Doors, Add		707.60	
		For Custom Plastic Laminated Cab Interiors, Add		3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		5,629.20	
		For Stainless Steel Cab Interior, Add		7,505.60	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		321.48	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Each Additional 50 FPM, Add		5,837.70	
		For Removal Of Existing Elevator, Add		22,002.53	
		For Removal Of Existing Stop, Add		4,400.51	
		For 2 Stops, Deduct		-10,000.00	



Conveying Equipment			14
Elevators			14 20
Hydraulic Elevators			14 24

14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	173,280.96	
			For Each Additional Stop, Add	26,424.73	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	22,002.53	
			For Removal Of Existing Stop, Add	4,400.51	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	176,471.33	
			For Each Additional Stop, Add	26,424.73	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	22,002.53	
			For Removal Of Existing Stop, Add	4,400.51	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	180,610.79	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional Stop, Add	27,839.93	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	22,002.53	
			For Removal Of Existing Stop, Add	4,400.51	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	185,094.74	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional Stop, Add	27,839.93	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.48	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	22,002.53	
			For Removal Of Existing Stop, Add	4,400.51	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0009			Twin Holeless Hydraulic Passenger Elevator (14 24 23)		
			Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.		
14 24 23 00-0010	EA		Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	137,944.33	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
			For Stainless Steel Cab Interior, Add	5,629.20	
			For Removal Of Existing Elevator, Add	22,002.53	
			For Each Additional Stop, Add	28,047.18	
			For An Additional 25 FPM, Add	2,384.61	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 EA Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	143,060.19	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
For Stainless Steel Cab Interior, Add	5,629.20	
For Removal Of Existing Elevator, Add	22,002.53	
For Each Additional Stop, Add	28,047.18	
For An Additional 25 FPM, Add	2,384.61	
14 24 23 00-0012 EA Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	147,979.89	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
For Stainless Steel Cab Interior, Add	5,629.20	
For Removal Of Existing Elevator, Add	22,002.53	
For Each Additional Stop, Add	28,047.18	
For An Additional 25 FPM, Add	2,384.61	
14 24 23 00-0013 EA Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	171,255.35	
For Each Opening With Bonderized Steel Door, Add	283.04	
For Each Opening With Stainless Steel Doors, Add	707.60	
For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
For Stainless Steel Cab Interior, Add	5,629.20	
For Removal Of Existing Elevator, Add	22,002.53	
For Each Additional Stop, Add	28,047.18	
For An Additional 25 FPM, Add	2,384.61	

14 26 Limited-Use/Limited-Application Elevators (14 20)**14 26 00 00-0001 Small Elevators (LULA)** (14 26)

14 26 00 00-0002 EA Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings	102,067.80	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	16,932.13	
For Removal Of Existing Elevator, Add	6,600.76	

14 27 Custom Elevator Cabs and Doors (14 20)**14 27 13 Custom Elevator Cab Finishes** (14 27)**14 27 13 00-0001 Custom Elevator Cab Finish Options** (14 27 13)

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002 EA Intercom Service	1,569.28	

14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)

14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006 EA Hall Lantern, Signal Devices	991.17	

14 27 16 Custom Elevator Doors (14 27)**14 27 16 00-0001 Custom Elevator Door Options** (14 27 16)

14 27 16 00-0002 EA Center Opening, 1 Speed Doors	3,860.96	
14 27 16 00-0003 EA Center Opening, 2 Speed Doors	4,898.12	
14 27 16 00-0004 EA Rear Opening Doors (Opposite Front)	6,758.93	
14 27 16 00-0005 EA Side Opening, 2 Speed Doors	10,633.06	
14 27 16 00-0006 EA Bi-Parting Doors	11,653.55	
14 27 16 00-0007 EA Power Operated Door And Gate	34,776.34	

14 28 Elevator Equipment and Controls (14 20)**14 28 16 Elevator Controls** (14 28)**14 28 16 00-0001 Passenger Or Freight Elevator Options** (14 28 16)

14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls	9,248.97	1,213.17
14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls	14,001.50	1,818.46
14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls	21,449.67	2,424.60
14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls	29,997.76	3,077.33
14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls	41,485.09	3,636.86
14 28 16 00-0007 EA Duplex Care Selective Collective	8,908.10	
14 28 16 00-0008 EA Automatic Emergency Power Switching	5,583.06	
14 28 16 00-0009 EA Manual Emergency Power Switching	985.07	
14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices	236.55	
14 28 16 00-0011 EA >3, Position Indicator, Signal Devices	198.99	
14 28 16 00-0012 EA High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum	58,587.78	
14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average	95,681.49	



Conveying Equipment			14
Elevators			14 20
Elevator Equipment and Controls			14 28

14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA		Variable Voltage, Overhead Gearless Machine, Maximum	132,609.05	
14 28 16 00-0016	EA		Variable Voltage, Basement Installed Geared Machine, Minimum	24,649.48	
14 28 16 00-0017	EA		Variable Voltage, Basement Installed Geared Machine, Average	30,262.40	
14 28 16 00-0018	EA		Variable Voltage, Basement Installed Geared Machine, Maximum	33,434.92	
14 28 16 00-0019	SF		1/4" Thick, Steel Plate, Elevator Cab Floor	45.76	
14 28 16 00-0020	SF		1/4" Thick, Steel Plate, Elevator Walls	45.21	

14 30 Escalators and Moving Walks ⁽¹⁴⁾

14 40 Lifts ⁽¹⁴⁾

14 41 People Lifts ^(14 40)

14 41 16 Endless-Belt People Lifts ^(14 41)

14 41 16 00-0001 Personnel Lifts Electrically Operated ^(14 41 16)

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	29,221.30	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,506.56	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,739.29	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,688.71	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	32,257.28	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,870.87	

14 41 19 Stairway Chairlifts ^(14 41)

14 41 19 00-0001 Chair Lift-Stair Climber ^(14 41 19)

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

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity	8,080.31	1,070.48
		Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber ^(14 42 13)

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

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity	15,150.08	1,605.71
		Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) ^(14 42 16)

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	11,495.69	749.34
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	1,364.96	
		For Removable Handrails, Add	139.10	
		For Power Operated Ramp, Add	1,217.16	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	14,126.18	936.66
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	817.24	
		For 3,000 Lb. Capacity, Add	1,364.96	
		For 4,000 Lb. Capacity, Add	2,043.09	
		For Accordion Safety Skirt, Add	1,364.96	
		For Removable Handrails, Add	139.10	
		For Power Operated Ramp, Add	1,217.16	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	16,754.78	1,217.66
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	817.24	
		For 3,000 Lb. Capacity, Add	1,364.96	
		For 4,000 Lb. Capacity, Add	2,043.09	
		For Accordion Safety Skirt, Add	1,364.96	
		For Removable Handrails, Add	139.10	
		For Power Operated Ramp, Add	1,217.16	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	18,794.08	1,405.00
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	817.24	
		For 3,000 Lb. Capacity, Add	1,364.96	
		For 4,000 Lb. Capacity, Add	2,043.09	
		For Accordion Safety Skirt, Add	1,364.96	
		For Removable Handrails, Add	139.10	
		For Power Operated Ramp, Add	1,217.16	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	19,881.61	669.05
		Note: 500 Lb. capacity, interior installation.		

14 90 Other Conveying Equipment ⁽¹⁴⁾

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 91 Facility Chutes (14 90)

14 91 82 Trash Chutes (14 91)

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

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	34.97	4.97
		For Aluminum, Add	2.55	
		For Stainless Steel, Add	8.92	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	44.80	4.97
		For Aluminum, Add	3.45	
		For Stainless Steel, Add	12.07	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	49.39	6.21
		For Aluminum, Add	3.82	
		For Stainless Steel, Add	13.38	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	75.06	6.21
		For Aluminum, Add	6.30	
		For Stainless Steel, Add	22.04	
14 91 82 00-0006	EA	Trash Chutes, Hopper.....	816.71	34.74
		For Aluminum, Add	74.68	
		For Stainless Steel, Add	261.37	
14 91 82 00-0007	EA	Trash Chutes, Skylight.....	396.56	68.25
		For Aluminum, Add	25.98	
		For Stainless Steel, Add	90.91	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	270.97	74.45
		For Aluminum, Add	11.36	
		For Stainless Steel, Add	39.77	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	71.93	26.05
		For Aluminum, Add	1.95	
		For Stainless Steel, Add	6.82	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit.....	677.20	93.06
		For Aluminum, Add	48.05	
		For Stainless Steel, Add	168.19	
14 91 82 00-0011	EA	Hopper Doors	1,594.69	80.87

14 92 Pneumatic Tube Systems (14 90)

14 92 00 00-0001 Pneumatic Tube Station; Swisslog (14 92)

14 92 00 00-0002	LF	4" Pneumatic Tube	77.06	19.93
14 92 00 00-0003	LF	6" Pneumatic Tube	97.35	24.91
14 92 00 00-0004	EA	4" 90 Degree Bend	401.14	43.60
14 92 00 00-0005	EA	6" 90 Degree Bend	563.22	49.83
14 92 00 00-0006	EA	4" PRV Bend.....	480.58	65.40
14 92 00 00-0007	EA	6" PRV Bend.....	680.46	74.74
14 92 00 00-0008	EA	Vacuum Bypass Valve	2,718.97	311.42
14 92 00 00-0009	EA	Blower Assembly For 4" Tube.....	27,259.40	622.84
14 92 00 00-0010	EA	Blower Assembly For 6" Tube.....	33,086.48	747.41
14 92 00 00-0011	EA	Recessed Receiving Station For 4" Tube	16,889.46	934.27
14 92 00 00-0012	EA	Recessed Receiving Station For 6" Tube	19,086.54	1,121.12
14 92 00 00-0013	EA	Wall Mount Receiving Station For 4" Tube	15,114.90	622.84
14 92 00 00-0014	EA	Wall Mount Receiving Station For 6" Tube	16,622.46	747.41
14 92 00 00-0015	EA	2 Out Transfer Unit For 4" Tube.....	11,387.97	685.13
14 92 00 00-0016	EA	2 Out Transfer Unit For 6" Tube.....	12,201.80	747.41
14 92 00 00-0017	EA	4 Out Transfer Unit For 4" Tube.....	13,442.28	934.27
14 92 00 00-0018	EA	4 Out Transfer Unit For 6" Tube.....	14,077.01	996.55
14 92 00 00-0019	EA	6 Out Transfer Unit For 4" Tube.....	16,306.20	1,245.69
14 92 00 00-0020	EA	6 Out Transfer Unit For 6" Tube.....	17,185.35	1,307.97
14 92 00 00-0021	EA	T.E.U. Assembly For 4" Tube	4,566.45	155.71
14 92 00 00-0022	EA	T.E.U. Assembly For 6" Tube	5,182.22	249.14
14 92 00 00-0023	EA	Security Door	1,833.41	
14 92 00 00-0024	EA	SB-101 Control Panel	4,430.69	373.71
14 92 00 00-0025	LF	Pneumatic Tube Hanging Material.....	14.81	2.49

END OF SECTION 14



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

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

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

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

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91) See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	601.58
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	360.95
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	144.38
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	72.19

21 01 10 91-0006		Purge And Refill System Sprinkler Piping ^(21 01 10 91) Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.	
21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	397.01
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	567.01
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	679.39
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	849.24
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	1,104.01
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades.....	0.55
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	555.82
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	793.83
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	951.15
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1,188.93
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1,545.62
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	0.78
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	764.25
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1,091.51
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1,307.84
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1,634.79
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	2,125.22
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades.....	1.07
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	1,031.74
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	1,473.53
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	1,564.33
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	1,955.40
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	2,542.03
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades.....	1.27

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

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

21 01 30 91-0001		Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	258.68
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.07
21 01 30 91-0004	EA	Inspection, Halon 1301	258.68
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	73.79
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	156.41
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	69.18
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	156.41
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	6.15
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents	48.13
		See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA	Disarm/Arm System.....	84.22

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

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

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

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

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

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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

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

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

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

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge ^(21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	51.79	13.86
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	53.77	13.86
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	63.00	13.86
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	66.79	13.86
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	70.58	13.86
		Note: For fire sprinkler systems		

21 05 19 00-0007 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	9,917.87	188.81
		For >10 To 25, Deduct	-495.89	
		For >25, Deduct	-1,464.05	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	20,286.56	316.53
		For >10 To 25, Deduct	-1,014.33	
		For >25, Deduct	-3,003.32	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	27,487.70	475.24
		For >10 To 25, Deduct	-1,374.39	
		For >25, Deduct	-4,063.54	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	35,864.70	607.25
		For >10 To 25, Deduct	-1,793.24	
		For >25, Deduct	-5,304.27	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	50,610.48	739.27
		For >10 To 25, Deduct	-2,530.52	
		For >25, Deduct	-7,499.16	

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

^(21 05)

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

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

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	66.00	12.06
21 05 23 00-0004	EA	3/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	84.08	12.66
21 05 23 00-0005	EA	1" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	115.83	12.66
21 05 23 00-0006	EA	1-1/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	174.47	16.05
21 05 23 00-0007	EA	1-1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	205.35	18.57
21 05 23 00-0008	EA	2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	243.27	21.95

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

21 05 23 00-0011	EA	2-1/2" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	538.12	19.66
21 05 23 00-0012	EA	3" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	591.05	23.55
21 05 23 00-0013	EA	4" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	619.64	30.99
21 05 23 00-0014	EA	6" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	879.89	50.76
21 05 23 00-0015	EA	8" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	1,266.66	71.41

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

21 05 23 00-0017	EA	2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	540.60	15.88
21 05 23 00-0018	EA	2-1/2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	550.42	19.66
21 05 23 00-0019	EA	3" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	607.45	23.55
21 05 23 00-0020	EA	4" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	629.90	30.99
21 05 23 00-0021	EA	6" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	877.84	50.76
21 05 23 00-0022	EA	8" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	1,305.62	71.41
21 05 23 00-0023	EA	10" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	2,022.08	96.52

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

21 05 23 00-0026	EA	1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	233.19	12.06
21 05 23 00-0027	EA	3/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	275.45	12.66
21 05 23 00-0028	EA	1" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	376.79	12.66
21 05 23 00-0029	EA	1-1/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	501.81	16.05
21 05 23 00-0030	EA	1-1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	657.84	18.57
21 05 23 00-0031	EA	2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	960.66	21.95



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

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032 Flanged, Iron Body, Bronze Trim, Swing Check Valves (21 05 23 00-0024)		
21 05 23 00-0033 EA 2-1/2" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,242.13	161.04
21 05 23 00-0034 EA 3" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,408.89	188.81
21 05 23 00-0035 EA 4" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,951.74	316.53
21 05 23 00-0036 EA 6" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,978.84	393.60
21 05 23 00-0037 EA 8" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,763.43	502.93
21 05 23 00-0038 EA 10" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	7,590.21	612.26
21 05 23 00-0039 EA 12" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	10,630.64	743.45
21 05 23 00-0040 Iron Body Wafer Type Check Valve (21 05 23 00-0024)		
21 05 23 00-0041 EA 2-1/2" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	960.52	161.13
21 05 23 00-0042 EA 3" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,105.65	188.91
21 05 23 00-0043 EA 4" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,291.26	316.70
21 05 23 00-0044 EA 6" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	2,134.61	444.50
21 05 23 00-0045 EA 8" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	3,182.20	511.17
21 05 23 00-0046 EA 10" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	4,690.32	55.56
21 05 23 00-0047 EA 12" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	6,434.83	755.63
21 05 23 00-0048 Grooved End, Check Valves (21 05 23 00-0024)		
21 05 23 00-0049 EA 2-1/2" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	477.69	19.99
21 05 23 00-0050 EA 3" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	483.09	23.66
21 05 23 00-0051 EA 4" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	512.30	31.10
21 05 23 00-0052 EA 6" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	1,525.98	50.76
21 05 23 00-0053 EA 8" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	2,120.16	71.41
21 05 23 00-0054 Gate Valves (21 05 23)		
21 05 23 00-0055 Threaded, Bronze Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0056 EA 1" Diameter Threaded, Bronze Gate Valve (Crane 459)	727.26	15.08
21 05 23 00-0057 EA 1-1/4" Diameter Threaded, Bronze Gate Valve (Crane 459)	889.12	16.05
21 05 23 00-0058 EA 1-1/2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,057.87	18.57
21 05 23 00-0059 EA 2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,319.99	21.95
21 05 23 00-0060 Flanged, Cast Iron Body, Bronze Trim Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0061 EA 2-1/2" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,714.41	161.04
21 05 23 00-0062 EA 3" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,020.20	188.81
21 05 23 00-0063 EA 4" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,790.78	316.53
21 05 23 00-0064 EA 6" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,218.78	393.60
21 05 23 00-0065 EA 8" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,266.57	502.93
21 05 23 00-0066 EA 10" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	11,599.71	612.26
21 05 23 00-0067 EA 12" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	15,824.00	743.45
21 05 23 00-0068 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054) Note: Class 175		
21 05 23 00-0069 EA 2-1/2" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,010.36	161.04
21 05 23 00-0070 EA 3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,506.25	188.81
21 05 23 00-0071 EA 4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,142.86	316.53
21 05 23 00-0072 EA 6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	5,359.40	393.60
21 05 23 00-0073 EA 8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,058.22	502.93
21 05 23 00-0074 EA 10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,714.23	612.26
21 05 23 00-0075 EA 12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	15,183.33	743.45
21 05 23 00-0076 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054) Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077 EA 3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,806.60	188.81
21 05 23 00-0078 EA 4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,467.75	316.53
21 05 23 00-0079 EA 6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,470.72	393.60
21 05 23 00-0080 EA 8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	6,811.13	502.93
21 05 23 00-0081 EA 10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	10,381.21	612.26

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	13,081.93	743.45
21 05 23 00-0083		Ball Valves ^(21 05 23)		
21 05 23 00-0084		Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) ^(21 05 23 00-0083)		
21 05 23 00-0085	EA	1" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	471.20	15.08
21 05 23 00-0086	EA	1-1/4" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	514.12	16.05
21 05 23 00-0087	EA	1-1/2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	607.90	18.57
21 05 23 00-0088	EA	2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	731.49	21.95
21 05 23 00-0089		TESTanDRAIN® Valve ^(21 05 23)		
21 05 23 00-0090	EA	1/4" Diameter, 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	251.85	15.97
21 05 23 00-0091	EA	1" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000).....	284.45	19.30
21 05 23 00-0092	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000).....	347.76	24.40
21 05 23 00-0093	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000).....	543.09	28.17
21 05 23 00-0094	EA	2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000).....	570.78	33.27
21 05 23 00-0095	EA	1" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	400.02	19.30
21 05 23 00-0096	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	462.21	24.40
21 05 23 00-0097	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	661.02	28.17
21 05 23 00-0098	EA	2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	691.85	33.27
21 05 23 00-0099		Air Release Valves For Wet Fire Sprinkler Systems ^(21 05 23)		
21 05 23 00-0100	EA	1/2" NPT, Automatic Air Vent Assembly For Wet Fire Sprinkler Systems (Tyco TAV-W).....	1,359.13	36.20
21 05 23 00-0101	EA	1/2" NPT, Automatic Air Vent For Wet Fire Sprinkler Systems (Potter PAV).....	475.23	36.20
21 05 23 00-0102	EA	1/2" NPT, Automatic Float Type Air Release Valve With Shutoff Valve, Strainer, Unions, And Containment Pan (Potter PAAR-B).....	1,342.77	54.30
21 05 23 00-0103	EA	1" NPT x Hose Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7900AAV).....	509.15	36.20
21 05 23 00-0104	EA	2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-20).....	1,032.57	59.73
21 05 23 00-0105	EA	2-1/2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-25).....	1,108.88	82.96
21 05 23 00-0106	EA	3" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-30).....	1,163.24	92.91
21 05 23 00-0107	EA	4" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-40).....	1,191.42	99.54
21 05 23 00-0108	EA	1/2" PURGENVENT Manual Air Vent Valve For Wet Fire Sprinkler Systems (AGF Manufacturing 7910MAV).....	112.58	40.42
21 05 29		Hangers and Supports for Fire-Suppression Piping and Equipment ^(21 05)		
		See CSI section 23 05 29 00-0000 for hangers and supports.		
21 05 33		Heat Tracing for Fire-Suppression Piping ^(21 05)		
		See CSI section 23 83 13 13-0000 for heat tracing cables.		
21 05 48		Vibration and Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)		
21 05 48 13		Vibration Controls for Fire-Suppression Piping and Equipment ^(21 05 48)		
		See CSI section 23 05 48 13-0000 for vibration and seismic control.		
21 05 53		Identification for Fire-Suppression Piping and Equipment ^(21 05)		
		See CSI section 23 05 53 00-0000 for identification.		
21 07		Fire-Suppression Systems Insulation ⁽²¹⁾		
21 07 16		Fire-Suppression Equipment Insulation ^(21 07)		
		See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19		Fire-Suppression Piping Insulation ^(21 07)		
		See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10		Water-Based Fire-Suppression Systems ⁽²¹⁾		
		See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11		Facility Fire-Suppression Water-Service Piping ^(21 10)		
21 11 19		Fire-Department Connections ^(21 11)		
21 11 19 00-0001		Fire Department Connections ^(21 11 19)		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,088.11	357.15
		For Polished Chrome, Add.....	68.38	



Fire Suppression			21	21
Water-Based Fire-Suppression Systems			21 10	
Facility Fire-Suppression Water-Service Piping			21 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,513.99	446.44
			<i>For Polished Chrome, Add</i>	104.67	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass	1,601.89	357.15
			<i>For Polished Chrome, Add</i>	132.58	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass	2,116.87	446.44
			<i>For Polished Chrome, Add</i>	180.03	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	2,264.24	446.44
			<i>For Polished Chrome, Add</i>	198.45	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,939.96	472.50
			<i>For Polished Chrome, Add</i>	153.05	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass.....	1,243.56	357.15
			<i>For Polished Chrome, Add</i>	87.81	
21 11 19 00-0009			Wall Type Indicator Post, Wheel Operated ^(21 11 19)		
			See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	2,996.30	316.53
21 11 19 00-0011			Upright Indicator Post, Wheel Operated ^(21 11 19)		
21 11 19 00-0012	EA		Upright Indicator Post With Flange For Valve (Victaulic 774)	7,208.94	316.53
21 12 Fire-Suppression Standpipes ^(21 10)					
			See CSI section 23 21 13 23-0000 for black steel pipe.		
21 12 13 Fire-Suppression Hoses and Nozzles ^(21 12)					
21 12 13 00-0001			Fire Hose ^(21 12 13)		
21 12 13 00-0002			Fire Hose Without Couplings ^(21 12 13 00-0001)		
21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.06	2.41
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.54	2.41
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.24	2.41
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.77	2.41
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.39	2.41
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	4.15	2.41
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.49	2.41
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	4.37	2.41
21 12 13 00-0011			Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)		
21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	8.98	1.32
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	11.29	1.56
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	19.62	1.56
21 12 13 00-0015			Fire Hose Accessories ^(21 12 13 00-0001)		
21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug.....	161.92	39.71
21 12 13 00-0017	EA		Hose Coupling With 2-1/2" Pin Lug.....	242.61	44.52
21 12 13 00-0018	EA		1-1/2" x 10" Brass Straight Nozzle.....	97.96	31.28
21 12 13 00-0019	EA		2-1/2" x 12" Brass Straight Nozzle.....	191.38	31.28
21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle	152.43	31.28
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle	218.03	31.28
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack.....	339.60	132.34
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack.....	467.07	132.34
21 12 23 Fire-Suppression Hose Valves ^(21 12)					
21 12 23 00-0001			Standpipe Valves ^(21 12 23)		
21 12 23 00-0002	EA		2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	978.45	236.25
			<i>For Polished Chrome, Add</i>	93.10	
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,713.12	236.14
			<i>For Polished Chrome, Add</i>	203.30	
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,256.43	255.44
			<i>For Polished Chrome, Add</i>	280.40	
21 12 23 00-0005	EA		3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass.....	2,771.80	236.14
			<i>For Polished Chrome, Add</i>	362.10	
21 12 23 00-0006	EA		3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass.....	3,276.76	255.44
			<i>For Polished Chrome, Add</i>	433.45	
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,600.60	236.14
			<i>For Polished Chrome, Add</i>	186.42	
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,432.88	255.44
			<i>For Polished Chrome, Add</i>	306.86	
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,195.08	243.79
			<i>For Polished Chrome, Add</i>	339.09	
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,648.99	270.86
			<i>For Polished Chrome, Add</i>	508.63	
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,448.24	243.79
			<i>For Polished Chrome, Add</i>	369.46	

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	5,030.42	270.86	
		<i>For Polished Chrome, Add</i>	554.40		
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	6,641.80	324.99	
		<i>For Polished Chrome, Add</i>	614.93		
21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)					
21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	243.56	32.49	
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	291.15	32.49	
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	273.85	32.49	
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	321.44	32.49	
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	433.50	54.14	
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	502.72	54.14	
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	508.49	54.14	
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	577.71	54.14	
21 12 29 Fire-Suppression Fire Hose Equipment (21 12)					
21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)					
21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,560.44	585.64	
21 12 29 00-0003	EA	Water Motor Gong	907.24	181.05	
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	743.31	21.06	
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	261.41	36.03	
21 12 29 00-0006 Water Flow Detector (21 12 29)					
21 12 29 00-0007 Pressure-Type Water Flow Detector (21 12 29 00-0006)					
21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	417.01	110.87	
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	605.18	146.91	
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	945.97	166.30	
21 12 29 00-0011 Vane-Type Water Flow Detector (21 12 29 00-0006)					
21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	522.68	110.87	
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	734.63	146.91	
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,151.16	166.30	
21 13 Fire-Suppression Sprinkler Systems (21 10)					
21 13 13 Wet-Pipe Sprinkler Systems (21 13)					
21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies (21 13 13)					
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.					
21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)					
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	681.44		
		Note: Includes branch pipe and fittings, supports and sprinkler heads.			
		<i>For Copper Pipe, Add</i>	82.93		
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-117.00		
		<i>For Up To 5, Add</i>	311.15		
		<i>For >5 To 10, Add</i>	194.15		
		<i>For >10 To 20, Add</i>	126.00		
		<i>For >20 To 40, Add</i>	53.36		
		<i>For >100 To 150, Deduct</i>	-68.14		
		<i>For >150, Deduct</i>	-136.29		
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	887.90		
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.			
		<i>For Copper Pipe, Add</i>	104.78		
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-149.18		
		<i>For Up To 5, Add</i>	411.96		
		<i>For >5 To 10, Add</i>	262.78		
		<i>For >10 To 20, Add</i>	173.99		
		<i>For >20 To 40, Add</i>	72.80		
		<i>For >100 To 150, Deduct</i>	-88.79		
		<i>For >150, Deduct</i>	-177.58		
		<i>For Work In Restricted Working Space, Add</i>	170.40		
21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)					



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 667.66 Note: Includes branch pipe and fittings, supports and sprinkler heads. For Copper Pipe, Add 81.09 For Polyvinyl Chloride (PVC) Pipe, Deduct -114.48 For Up To 5, Add 305.17 For >5 To 10, Add 190.70 For >10 To 20, Add 123.93 For >20 To 40, Add 52.44 For >100 To 150, Deduct -66.77 For >150, Deduct -133.53		
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 867.82 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Copper Pipe, Add 102.15 For Polyvinyl Chloride (PVC) Pipe, Deduct -145.54 For Up To 5, Add 403.18 For >5 To 10, Add 257.64 For >10 To 20, Add 170.86 For >20 To 40, Add 71.42 For >100 To 150, Deduct -86.78 For >150, Deduct -173.56 For Work In Restricted Working Space, Add 168.16		
21 13 13 00-0008			Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 617.37 Note: Includes branch pipe and fittings, supports and sprinkler heads. For Copper Pipe, Add 74.86 For Polyvinyl Chloride (PVC) Pipe, Deduct -105.73 For Up To 5, Add 282.44 For >5 To 10, Add 176.71 For >10 To 20, Add 114.98 For >20 To 40, Add 48.62 For >100 To 150, Deduct -61.74 For >150, Deduct -123.47		
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 804.07 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Copper Pipe, Add 94.50 For Polyvinyl Chloride (PVC) Pipe, Deduct -134.71 For Up To 5, Add 373.85 For >5 To 10, Add 239.14 For >10 To 20, Add 158.73 For >20 To 40, Add 66.31 For >100 To 150, Deduct -80.41 For >150, Deduct -160.81 For Work In Restricted Working Space, Add 156.65		
21 13 13 00-0011			Wet Pipe Sprinkler Components (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Wet Pipe Alarm Check Valves (21 13 13 00-0011)		
			Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA		2-1/2" Diameter, Wet Pipe Alarm Check Valve 2,062.84		152.44
21 13 13 00-0014	EA		3" Diameter, Wet Pipe Alarm Check Valve 2,107.18		174.62
21 13 13 00-0015	EA		4" Diameter, Wet Pipe Alarm Check Valve 2,351.10		296.58
21 13 13 00-0016	EA		6" Diameter, Wet Pipe Alarm Check Valve 2,263.86		374.19
21 13 13 00-0017	EA		8" Diameter, Wet Pipe Alarm Check Valve 4,056.78		473.97
21 13 13 00-0018			Wet Pipe Valve Trim (21 13 13 00-0011)		
			Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA		2-1/2" Diameter, Wet Pipe Valve Trim 1,229.52		322.63
21 13 13 00-0020	EA		3" Diameter, Wet Pipe Valve Trim 1,286.02		322.63
21 13 13 00-0021	EA		4" Diameter, Wet Pipe Valve Trim 1,587.62		442.37
21 13 13 00-0022	EA		6" Diameter, Wet Pipe Valve Trim 1,932.37		615.32
21 13 13 00-0023	EA		8" Diameter, Wet Pipe Valve Trim 2,176.29		761.67
21 13 13 00-0024			Wet Pipe Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0025			Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0026	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head 99.07 For >25 To 50, Deduct -2.71 For >50 To 100, Deduct -7.66 For >100 To 500, Deduct -13.74 For >500 To 1,000, Deduct -27.04 For >1,000, Deduct -37.86		13.53
21 13 13 00-0027	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head 103.65 For >25 To 50, Deduct -2.71 For >50 To 100, Deduct -7.89 For >100 To 500, Deduct -14.31 For >500 To 1,000, Deduct -27.86 For >1,000, Deduct -38.69		13.53

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0028	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	106.56	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.04	
			For >100 To 500, Deduct	-14.67	
			For >500 To 1,000, Deduct	-28.38	
			For >1,000, Deduct	-39.21	
21 13 13 00-0029	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	101.36	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.78	
			For >100 To 500, Deduct	-14.02	
			For >500 To 1,000, Deduct	-27.45	
			For >1,000, Deduct	-38.28	
21 13 13 00-0030	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	106.12	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.01	
			For >100 To 500, Deduct	-14.62	
			For >500 To 1,000, Deduct	-28.31	
			For >1,000, Deduct	-39.13	
21 13 13 00-0031	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.16	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.17	
			For >100 To 500, Deduct	-15.00	
			For >500 To 1,000, Deduct	-28.85	
			For >1,000, Deduct	-39.68	
21 13 13 00-0032	EA		1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	131.32	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.27	
			For >100 To 500, Deduct	-17.77	
			For >500 To 1,000, Deduct	-32.84	
			For >1,000, Deduct	-43.67	
21 13 13 00-0033	EA		1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	143.59	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.89	
			For >100 To 500, Deduct	-19.30	
			For >500 To 1,000, Deduct	-35.05	
			For >1,000, Deduct	-45.88	
21 13 13 00-0034	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	131.32	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.27	
			For >100 To 500, Deduct	-17.77	
			For >500 To 1,000, Deduct	-32.84	
			For >1,000, Deduct	-43.67	
21 13 13 00-0035	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	143.59	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.89	
			For >100 To 500, Deduct	-19.30	
			For >500 To 1,000, Deduct	-35.05	
			For >1,000, Deduct	-45.88	
21 13 13 00-0036	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	115.45	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.48	
			For >100 To 500, Deduct	-15.78	
			For >500 To 1,000, Deduct	-29.98	
			For >1,000, Deduct	-40.81	
21 13 13 00-0037	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	121.44	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.78	
			For >100 To 500, Deduct	-16.53	
			For >500 To 1,000, Deduct	-31.06	
			For >1,000, Deduct	-41.89	
21 13 13 00-0038	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	114.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.75	
			For >100 To 500, Deduct	-15.85	
			For >500 To 1,000, Deduct	-30.89	
			For >1,000, Deduct	-42.92	
21 13 13 00-0039	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	121.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.10	
			For >100 To 500, Deduct	-16.73	
			For >500 To 1,000, Deduct	-32.15	
			For >1,000, Deduct	-44.18	
21 13 13 00-0040	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	123.22	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.17	
			For >100 To 500, Deduct	-16.91	
			For >500 To 1,000, Deduct	-32.41	
			For >1,000, Deduct	-44.44	
21 13 13 00-0041	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	114.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.75	
			For >100 To 500, Deduct	-15.85	
			For >500 To 1,000, Deduct	-30.89	
			For >1,000, Deduct	-42.92	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0042	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	121.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.10	
			For >100 To 500, Deduct	-16.73	
			For >500 To 1,000, Deduct	-32.15	
			For >1,000, Deduct	-44.18	
21 13 13 00-0043	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	123.22	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.17	
			For >100 To 500, Deduct	-16.91	
			For >500 To 1,000, Deduct	-32.41	
			For >1,000, Deduct	-44.44	
21 13 13 00-0044	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	112.29	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.32	
			For >100 To 500, Deduct	-15.39	
			For >500 To 1,000, Deduct	-29.42	
			For >1,000, Deduct	-40.24	
21 13 13 00-0045	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	116.86	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.55	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000, Deduct	-41.07	
21 13 13 00-0046	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	117.75	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.23	
21 13 13 00-0047	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	112.29	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.32	
			For >100 To 500, Deduct	-15.39	
			For >500 To 1,000, Deduct	-29.42	
			For >1,000, Deduct	-40.24	
21 13 13 00-0048	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	116.86	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.55	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000, Deduct	-41.07	
21 13 13 00-0049	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	117.75	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.23	
21 13 13 00-0050	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	117.73	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.22	
21 13 13 00-0051	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	163.88	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-11.20	
			For >100 To 500, Deduct	-21.99	
			For >500 To 1,000, Deduct	-39.73	
			For >1,000, Deduct	-51.76	
21 13 13 00-0052	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	169.14	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-11.47	
			For >100 To 500, Deduct	-22.65	
			For >500 To 1,000, Deduct	-40.67	
			For >1,000, Deduct	-52.70	
21 13 13 00-0053	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	169.14	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-11.47	
			For >100 To 500, Deduct	-22.65	
			For >500 To 1,000, Deduct	-40.67	
			For >1,000, Deduct	-52.70	
21 13 13 00-0054	EA		3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	128.38	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.43	
			For >100 To 500, Deduct	-17.55	
			For >500 To 1,000, Deduct	-33.34	
			For >1,000, Deduct	-45.37	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	131.98	15.03
		For >25 To 50, Deduct	-3.01	
		For >50 To 100, Deduct	-9.61	
		For >100 To 500, Deduct	-18.00	
		For >500 To 1,000, Deduct	-33.98	
		For >1,000, Deduct	-46.02	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	131.98	15.03
		For >25 To 50, Deduct	-3.01	
		For >50 To 100, Deduct	-9.61	
		For >100 To 500, Deduct	-18.00	
		For >500 To 1,000, Deduct	-33.98	
		For >1,000, Deduct	-46.02	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	429.07	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-24.16	
		For >100 To 500, Deduct	-54.99	
		For >500 To 1,000, Deduct	-86.44	
		For >1,000, Deduct	-97.26	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	472.25	15.03
		For >25 To 50, Deduct	-3.01	
		For >50 To 100, Deduct	-26.62	
		For >100 To 500, Deduct	-60.54	
		For >500 To 1,000, Deduct	-95.23	
		For >1,000, Deduct	-107.26	
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	218.31	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-13.62	
		For >100 To 500, Deduct	-28.64	
		For >500 To 1,000, Deduct	-48.50	
		For >1,000, Deduct	-59.33	
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	273.22	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-16.37	
		For >100 To 500, Deduct	-35.51	
		For >500 To 1,000, Deduct	-58.38	
		For >1,000, Deduct	-69.21	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	502.84	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-27.85	
		For >100 To 500, Deduct	-64.21	
		For >500 To 1,000, Deduct	-99.72	
		For >1,000, Deduct	-110.54	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	645.93	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-35.00	
		For >100 To 500, Deduct	-82.09	
		For >500 To 1,000, Deduct	-125.47	
		For >1,000, Deduct	-136.30	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	279.24	15.03
		For >25 To 50, Deduct	-3.01	
		For >50 To 100, Deduct	-16.97	
		For >100 To 500, Deduct	-36.41	
		For >500 To 1,000, Deduct	-60.49	
		For >1,000, Deduct	-72.52	
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	280.90	15.03
		For >25 To 50, Deduct	-3.01	
		For >50 To 100, Deduct	-17.05	
		For >100 To 500, Deduct	-36.62	
		For >500 To 1,000, Deduct	-60.79	
		For >1,000, Deduct	-72.82	
21 13 13 00-0065		Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	99.07	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-7.66	
		For >100 To 500, Deduct	-13.74	
		For >500 To 1,000, Deduct	-27.04	
		For >1,000, Deduct	-37.86	
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	103.65	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-7.89	
		For >100 To 500, Deduct	-14.31	
		For >500 To 1,000, Deduct	-27.86	
		For >1,000, Deduct	-38.69	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	106.56	13.53
		For >25 To 50, Deduct	-2.71	
		For >50 To 100, Deduct	-8.04	
		For >100 To 500, Deduct	-14.67	
		For >500 To 1,000, Deduct	-28.38	
		For >1,000, Deduct	-39.21	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0069	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	116.43	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.83	
			For >100 To 500, Deduct	-16.06	
			For >500 To 1,000, Deduct	-31.18	
			For >1,000, Deduct	-43.22	
21 13 13 00-0070	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	121.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.10	
			For >100 To 500, Deduct	-16.73	
			For >500 To 1,000, Deduct	-32.15	
			For >1,000, Deduct	-44.18	
21 13 13 00-0071	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	122.63	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.14	
			For >100 To 500, Deduct	-16.83	
			For >500 To 1,000, Deduct	-32.30	
			For >1,000, Deduct	-44.33	
21 13 13 00-0072	EA		1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	429.07	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-24.16	
			For >100 To 500, Deduct	-54.99	
			For >500 To 1,000, Deduct	-86.44	
			For >1,000, Deduct	-97.26	
21 13 13 00-0073			Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
			See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head	99.07	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.66	
			For >100 To 500, Deduct	-13.74	
			For >500 To 1,000, Deduct	-27.04	
			For >1,000, Deduct	-37.86	
21 13 13 00-0075	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head	103.65	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.89	
			For >100 To 500, Deduct	-14.31	
			For >500 To 1,000, Deduct	-27.86	
			For >1,000, Deduct	-38.69	
21 13 13 00-0076	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	106.56	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.04	
			For >100 To 500, Deduct	-14.67	
			For >500 To 1,000, Deduct	-28.38	
			For >1,000, Deduct	-39.21	
21 13 13 00-0077	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head	114.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.75	
			For >100 To 500, Deduct	-15.85	
			For >500 To 1,000, Deduct	-30.89	
			For >1,000, Deduct	-42.92	
21 13 13 00-0078	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head	121.80	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.10	
			For >100 To 500, Deduct	-16.73	
			For >500 To 1,000, Deduct	-32.15	
			For >1,000, Deduct	-44.18	
21 13 13 00-0079	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	123.22	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.17	
			For >100 To 500, Deduct	-16.91	
			For >500 To 1,000, Deduct	-32.41	
			For >1,000, Deduct	-44.44	
21 13 13 00-0080	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head	112.29	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.32	
			For >100 To 500, Deduct	-15.39	
			For >500 To 1,000, Deduct	-29.42	
			For >1,000, Deduct	-40.24	
21 13 13 00-0081	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head	116.86	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.55	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000, Deduct	-41.07	
21 13 13 00-0082	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	117.75	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.23	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0083	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	112.29	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.32	
			For >100 To 500, Deduct	-15.39	
			For >500 To 1,000, Deduct	-29.42	
			For >1,000, Deduct	-40.24	
21 13 13 00-0084	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head.....	116.86	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.55	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000, Deduct	-41.07	
21 13 13 00-0085	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	117.75	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.23	
21 13 13 00-0086	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	112.29	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.32	
			For >100 To 500, Deduct	-15.39	
			For >500 To 1,000, Deduct	-29.42	
			For >1,000, Deduct	-40.24	
21 13 13 00-0087	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	116.86	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.55	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000, Deduct	-41.07	
21 13 13 00-0088	EA	1/2"	Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	117.75	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.59	
			For >100 To 500, Deduct	-16.07	
			For >500 To 1,000, Deduct	-30.40	
			For >1,000, Deduct	-41.23	
21 13 13 00-0089	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	99.07	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.66	
			For >100 To 500, Deduct	-13.74	
			For >500 To 1,000, Deduct	-27.04	
			For >1,000, Deduct	-37.86	
21 13 13 00-0090	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	103.65	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.89	
			For >100 To 500, Deduct	-14.31	
			For >500 To 1,000, Deduct	-27.86	
			For >1,000, Deduct	-38.69	
21 13 13 00-0091	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	106.56	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.04	
			For >100 To 500, Deduct	-14.67	
			For >500 To 1,000, Deduct	-28.38	
			For >1,000, Deduct	-39.21	
21 13 13 00-0092	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	101.37	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.78	
			For >100 To 500, Deduct	-14.02	
			For >500 To 1,000, Deduct	-27.45	
			For >1,000, Deduct	-38.28	
21 13 13 00-0093	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	104.61	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.94	
			For >100 To 500, Deduct	-14.43	
			For >500 To 1,000, Deduct	-28.03	
			For >1,000, Deduct	-38.86	
21 13 13 00-0094	EA	1/2"	Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.56	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.09	
			For >100 To 500, Deduct	-14.80	
			For >500 To 1,000, Deduct	-28.56	
			For >1,000, Deduct	-39.39	
21 13 13 00-0095	EA	3/4"	Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	119.13	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.96	
			For >100 To 500, Deduct	-16.40	
			For >500 To 1,000, Deduct	-31.67	
			For >1,000, Deduct	-43.70	



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

21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0096	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	125.06	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.26	
			For >100 To 500, Deduct	-17.14	
			For >500 To 1,000, Deduct	-32.74	
			For >1,000, Deduct	-44.77	
21 13 13 00-0097	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	125.06	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.26	
			For >100 To 500, Deduct	-17.14	
			For >500 To 1,000, Deduct	-32.74	
			For >1,000, Deduct	-44.77	
21 13 13 00-0098	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	115.45	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.48	
			For >100 To 500, Deduct	-15.78	
			For >500 To 1,000, Deduct	-29.98	
			For >1,000, Deduct	-40.81	
21 13 13 00-0099	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	121.44	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.78	
			For >100 To 500, Deduct	-16.53	
			For >500 To 1,000, Deduct	-31.06	
			For >1,000, Deduct	-41.89	
21 13 13 00-0100	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	130.41	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.23	
			For >100 To 500, Deduct	-17.65	
			For >500 To 1,000, Deduct	-32.68	
			For >1,000, Deduct	-43.51	
21 13 13 00-0101	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	140.23	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.72	
			For >100 To 500, Deduct	-18.88	
			For >500 To 1,000, Deduct	-34.45	
			For >1,000, Deduct	-45.27	
21 13 13 00-0102	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	130.41	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.23	
			For >100 To 500, Deduct	-17.65	
			For >500 To 1,000, Deduct	-32.68	
			For >1,000, Deduct	-43.51	
21 13 13 00-0103	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	140.23	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-9.72	
			For >100 To 500, Deduct	-18.88	
			For >500 To 1,000, Deduct	-34.45	
			For >1,000, Deduct	-45.27	
21 13 13 00-0104	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	107.71	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.09	
			For >100 To 500, Deduct	-14.82	
			For >500 To 1,000, Deduct	-28.59	
			For >1,000, Deduct	-39.42	
21 13 13 00-0105	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	112.85	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.35	
			For >100 To 500, Deduct	-15.46	
			For >500 To 1,000, Deduct	-29.52	
			For >1,000, Deduct	-40.34	
21 13 13 00-0106	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	115.55	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.48	
			For >100 To 500, Deduct	-15.80	
			For >500 To 1,000, Deduct	-30.00	
			For >1,000, Deduct	-40.83	
21 13 13 00-0107	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	116.98	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.86	
			For >100 To 500, Deduct	-16.13	
			For >500 To 1,000, Deduct	-31.28	
			For >1,000, Deduct	-43.32	
21 13 13 00-0108	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	122.06	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.11	
			For >100 To 500, Deduct	-16.76	
			For >500 To 1,000, Deduct	-32.20	
			For >1,000, Deduct	-44.23	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0109	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	126.98	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.36	
			For >100 To 500, Deduct	-17.38	
			For >500 To 1,000, Deduct	-33.08	
			For >1,000, Deduct	-45.12	
21 13 13 00-0110	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	110.61	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.24	
			For >100 To 500, Deduct	-15.18	
			For >500 To 1,000, Deduct	-29.11	
			For >1,000, Deduct	-39.94	
21 13 13 00-0111	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	115.66	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.49	
			For >100 To 500, Deduct	-15.81	
			For >500 To 1,000, Deduct	-30.02	
			For >1,000, Deduct	-40.85	
21 13 13 00-0112	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	118.41	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.63	
			For >100 To 500, Deduct	-16.15	
			For >500 To 1,000, Deduct	-30.52	
			For >1,000, Deduct	-41.35	
21 13 13 00-0113	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	119.13	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.96	
			For >100 To 500, Deduct	-16.40	
			For >500 To 1,000, Deduct	-31.67	
			For >1,000, Deduct	-43.70	
21 13 13 00-0114	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	124.43	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.23	
			For >100 To 500, Deduct	-17.06	
			For >500 To 1,000, Deduct	-32.62	
			For >1,000, Deduct	-44.66	
21 13 13 00-0115	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	129.54	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.49	
			For >100 To 500, Deduct	-17.70	
			For >500 To 1,000, Deduct	-33.54	
			For >1,000, Deduct	-45.58	
21 13 13 00-0116	EA		1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	190.83	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-12.25	
			For >100 To 500, Deduct	-25.21	
			For >500 To 1,000, Deduct	-43.55	
			For >1,000, Deduct	-54.38	
21 13 13 00-0117	EA		1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	190.83	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-12.25	
			For >100 To 500, Deduct	-25.21	
			For >500 To 1,000, Deduct	-43.55	
			For >1,000, Deduct	-54.38	
21 13 13 00-0118	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	133.65	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.69	
			For >100 To 500, Deduct	-18.21	
			For >500 To 1,000, Deduct	-34.28	
			For >1,000, Deduct	-46.32	
21 13 13 00-0119	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	137.53	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.88	
			For >100 To 500, Deduct	-18.70	
			For >500 To 1,000, Deduct	-34.98	
			For >1,000, Deduct	-47.01	
21 13 13 00-0120	EA		3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	137.53	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.88	
			For >100 To 500, Deduct	-18.70	
			For >500 To 1,000, Deduct	-34.98	
			For >1,000, Deduct	-47.01	
21 13 13 00-0121	EA		3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	128.38	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.43	
			For >100 To 500, Deduct	-17.55	
			For >500 To 1,000, Deduct	-33.34	
			For >1,000, Deduct	-45.37	



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

21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0122	EA		3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	131.98	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.61	
			For >100 To 500, Deduct	-18.00	
			For >500 To 1,000, Deduct	-33.98	
			For >1,000, Deduct	-46.02	
21 13 13 00-0123	EA		3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	131.98	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-9.61	
			For >100 To 500, Deduct	-18.00	
			For >500 To 1,000, Deduct	-33.98	
			For >1,000, Deduct	-46.02	
21 13 13 00-0124	EA		1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	429.07	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-24.16	
			For >100 To 500, Deduct	-54.99	
			For >500 To 1,000, Deduct	-86.44	
			For >1,000, Deduct	-97.26	
21 13 13 00-0125	EA		3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	472.25	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-26.62	
			For >100 To 500, Deduct	-60.54	
			For >500 To 1,000, Deduct	-95.23	
			For >1,000, Deduct	-107.26	
21 13 13 00-0126	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	218.31	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-13.62	
			For >100 To 500, Deduct	-28.64	
			For >500 To 1,000, Deduct	-48.50	
			For >1,000, Deduct	-59.33	
21 13 13 00-0127	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	273.22	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-16.37	
			For >100 To 500, Deduct	-35.51	
			For >500 To 1,000, Deduct	-58.38	
			For >1,000, Deduct	-69.21	
21 13 13 00-0128	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	502.84	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-27.85	
			For >100 To 500, Deduct	-64.21	
			For >500 To 1,000, Deduct	-99.72	
			For >1,000, Deduct	-110.54	
21 13 13 00-0129	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	645.93	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-35.00	
			For >100 To 500, Deduct	-82.09	
			For >500 To 1,000, Deduct	-125.47	
			For >1,000, Deduct	-136.30	
21 13 13 00-0130	EA		3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	279.24	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-16.97	
			For >100 To 500, Deduct	-36.41	
			For >500 To 1,000, Deduct	-60.49	
			For >1,000, Deduct	-72.52	
21 13 13 00-0131	EA		3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	280.90	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-17.05	
			For >100 To 500, Deduct	-36.62	
			For >500 To 1,000, Deduct	-60.79	
			For >1,000, Deduct	-72.82	
21 13 13 00-0132			Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0133			Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0134	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	105.91	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.00	
			For >100 To 500, Deduct	-14.59	
			For >500 To 1,000, Deduct	-28.27	
			For >1,000, Deduct	-39.10	
21 13 13 00-0135	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	109.58	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.19	
			For >100 To 500, Deduct	-15.05	
			For >500 To 1,000, Deduct	-28.93	
			For >1,000, Deduct	-39.76	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	115.37		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.48		
		For >100 To 500, Deduct	-15.77		
		For >500 To 1,000, Deduct	-29.97		
		For >1,000, Deduct	-40.80		
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	107.98		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.11		
		For >100 To 500, Deduct	-14.85		
		For >500 To 1,000, Deduct	-28.64		
		For >1,000, Deduct	-39.47		
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	111.71		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.29		
		For >100 To 500, Deduct	-15.32		
		For >500 To 1,000, Deduct	-29.31		
		For >1,000, Deduct	-40.14		
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	117.62		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.59		
		For >100 To 500, Deduct	-16.06		
		For >500 To 1,000, Deduct	-30.38		
		For >1,000, Deduct	-41.20		
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	121.44		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.78		
		For >100 To 500, Deduct	-16.53		
		For >500 To 1,000, Deduct	-31.06		
		For >1,000, Deduct	-41.89		
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	127.41		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-9.08		
		For >100 To 500, Deduct	-17.28		
		For >500 To 1,000, Deduct	-32.14		
		For >1,000, Deduct	-42.97		
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	130.49		15.03
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.53		
		For >100 To 500, Deduct	-17.82		
		For >500 To 1,000, Deduct	-33.72		
		For >1,000, Deduct	-45.75		
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	139.43		15.03
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.98		
		For >100 To 500, Deduct	-18.93		
		For >500 To 1,000, Deduct	-35.32		
		For >1,000, Deduct	-47.36		
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	134.31		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-9.42		
		For >100 To 500, Deduct	-18.14		
		For >500 To 1,000, Deduct	-33.38		
		For >1,000, Deduct	-44.21		
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	140.23		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-9.72		
		For >100 To 500, Deduct	-18.88		
		For >500 To 1,000, Deduct	-34.45		
		For >1,000, Deduct	-45.27		
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	134.31		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-9.42		
		For >100 To 500, Deduct	-18.14		
		For >500 To 1,000, Deduct	-33.38		
		For >1,000, Deduct	-44.21		
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	140.23		13.53
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-9.72		
		For >100 To 500, Deduct	-18.88		
		For >500 To 1,000, Deduct	-34.45		
		For >1,000, Deduct	-45.27		



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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	102.79	13.53	
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-7.85		
		For >100 To 500, Deduct	-14.20		
		For >500 To 1,000, Deduct	-27.71		
		For >1,000, Deduct	-38.53		
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	105.82	13.53	
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.00		
		For >100 To 500, Deduct	-14.58		
		For >500 To 1,000, Deduct	-28.25		
		For >1,000, Deduct	-39.08		
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	109.59	13.53	
		For >25 To 50, Deduct	-2.71		
		For >50 To 100, Deduct	-8.19		
		For >100 To 500, Deduct	-15.05		
		For >500 To 1,000, Deduct	-28.93		
		For >1,000, Deduct	-39.76		
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.36	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-8.63		
		For >100 To 500, Deduct	-15.55		
		For >500 To 1,000, Deduct	-30.45		
		For >1,000, Deduct	-42.48		
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	115.61	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-8.79		
		For >100 To 500, Deduct	-15.96		
		For >500 To 1,000, Deduct	-31.04		
		For >1,000, Deduct	-43.07		
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	119.12	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-8.96		
		For >100 To 500, Deduct	-16.39		
		For >500 To 1,000, Deduct	-31.67		
		For >1,000, Deduct	-43.70		
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	114.94	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-8.76		
		For >100 To 500, Deduct	-15.87		
		For >500 To 1,000, Deduct	-30.92		
		For >1,000, Deduct	-42.95		
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	118.31	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-8.92		
		For >100 To 500, Deduct	-16.29		
		For >500 To 1,000, Deduct	-31.52		
		For >1,000, Deduct	-43.56		
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	121.96	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.11		
		For >100 To 500, Deduct	-16.75		
		For >500 To 1,000, Deduct	-32.18		
		For >1,000, Deduct	-44.21		
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	122.01	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.11		
		For >100 To 500, Deduct	-16.76		
		For >500 To 1,000, Deduct	-32.19		
		For >1,000, Deduct	-44.22		
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	126.99	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.36		
		For >100 To 500, Deduct	-17.38		
		For >500 To 1,000, Deduct	-33.09		
		For >1,000, Deduct	-45.12		
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	126.99	15.03	
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-9.36		
		For >100 To 500, Deduct	-17.38		
		For >500 To 1,000, Deduct	-33.09		
		For >1,000, Deduct	-45.12		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0160	EA		1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	223.85	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-13.90	
			For >100 To 500, Deduct	-29.33	
			For >500 To 1,000, Deduct	-49.50	
			For >1,000, Deduct	-60.32	
21 13 13 00-0161	EA		1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	223.85	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-13.90	
			For >100 To 500, Deduct	-29.33	
			For >500 To 1,000, Deduct	-49.50	
			For >1,000, Deduct	-60.32	
21 13 13 00-0162	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	104.06	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.91	
			For >100 To 500, Deduct	-14.36	
			For >500 To 1,000, Deduct	-27.93	
			For >1,000, Deduct	-38.76	
21 13 13 00-0163	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	104.06	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.91	
			For >100 To 500, Deduct	-14.36	
			For >500 To 1,000, Deduct	-27.93	
			For >1,000, Deduct	-38.76	
21 13 13 00-0164	EA		1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	104.06	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-7.91	
			For >100 To 500, Deduct	-14.36	
			For >500 To 1,000, Deduct	-27.93	
			For >1,000, Deduct	-38.76	
21 13 13 00-0165			Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0166	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	110.67	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.24	
			For >100 To 500, Deduct	-15.19	
			For >500 To 1,000, Deduct	-29.12	
			For >1,000, Deduct	-39.95	
21 13 13 00-0167	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	115.24	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.47	
			For >100 To 500, Deduct	-15.76	
			For >500 To 1,000, Deduct	-29.95	
			For >1,000, Deduct	-40.78	
21 13 13 00-0168	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	117.20	13.53
			For >25 To 50, Deduct	-2.71	
			For >50 To 100, Deduct	-8.57	
			For >100 To 500, Deduct	-16.00	
			For >500 To 1,000, Deduct	-30.30	
			For >1,000, Deduct	-41.13	
21 13 13 00-0169			Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0170			Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)		
21 13 13 00-0171	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendant Brass Wet Pipe Sprinkler Head, Low Lead.....	162.08	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-11.71	
			For >100 To 500, Deduct	-22.06	
			For >500 To 1,000, Deduct	-41.45	
			For >1,000, Deduct	-55.88	
21 13 13 00-0172	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendant Brass Wet Pipe Sprinkler Head	108.42	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.03	
			For >100 To 500, Deduct	-15.36	
			For >500 To 1,000, Deduct	-31.79	
			For >1,000, Deduct	-46.23	
21 13 13 00-0173	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	110.38	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.13	
			For >100 To 500, Deduct	-15.60	
			For >500 To 1,000, Deduct	-32.14	
			For >1,000, Deduct	-46.58	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0174	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	143.01	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-11.06	
			For >100 To 500, Deduct	-19.83	
			For >500 To 1,000, Deduct	-39.04	
			For >1,000, Deduct	-54.68	
21 13 13 00-0175	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	136.99	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-10.46	
			For >100 To 500, Deduct	-18.93	
			For >500 To 1,000, Deduct	-36.93	
			For >1,000, Deduct	-51.37	
21 13 13 00-0176	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	136.99	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-10.46	
			For >100 To 500, Deduct	-18.93	
			For >500 To 1,000, Deduct	-36.93	
			For >1,000, Deduct	-51.37	
21 13 13 00-0177	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	143.01	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-11.06	
			For >100 To 500, Deduct	-19.83	
			For >500 To 1,000, Deduct	-39.04	
			For >1,000, Deduct	-54.68	
21 13 13 00-0178	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	124.44	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.83	
			For >100 To 500, Deduct	-17.36	
			For >500 To 1,000, Deduct	-34.67	
			For >1,000, Deduct	-49.11	
21 13 13 00-0179	EA		1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	136.99	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-10.46	
			For >100 To 500, Deduct	-18.93	
			For >500 To 1,000, Deduct	-36.93	
			For >1,000, Deduct	-51.37	
21 13 13 00-0180	EA		1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	136.99	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-10.46	
			For >100 To 500, Deduct	-18.93	
			For >500 To 1,000, Deduct	-36.93	
			For >1,000, Deduct	-51.37	
21 13 13 00-0181	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	127.41	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.98	
			For >100 To 500, Deduct	-17.73	
			For >500 To 1,000, Deduct	-35.21	
			For >1,000, Deduct	-49.64	
21 13 13 00-0182	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	223.84	21.06
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-4.21	
			For >50 To 100, Deduct	-15.40	
			For >100 To 500, Deduct	-30.09	
			For >500 To 1,000, Deduct	-54.61	
			For >1,000, Deduct	-71.45	
21 13 13 00-0183	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	118.18	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.52	
			For >100 To 500, Deduct	-16.58	
			For >500 To 1,000, Deduct	-33.54	
			For >1,000, Deduct	-47.98	
21 13 13 00-0184	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	123.39	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-10.08	
			For >100 To 500, Deduct	-17.38	
			For >500 To 1,000, Deduct	-35.51	
			For >1,000, Deduct	-51.15	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0185	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 119.94	119.94	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-9.61	
			For >100 To 500, Deduct	-16.80	
			For >500 To 1,000, Deduct	-33.86	
			For >1,000, Deduct	-48.30	
21 13 13 00-0186	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 125.96	125.96	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-10.21	
			For >100 To 500, Deduct	-17.70	
			For >500 To 1,000, Deduct	-35.97	
			For >1,000, Deduct	-51.61	
21 13 13 00-0187	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 143.83	143.83	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-11.10	
			For >100 To 500, Deduct	-19.93	
			For >500 To 1,000, Deduct	-39.19	
			For >1,000, Deduct	-54.83	
21 13 13 00-0188	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate 264.55	264.55	21.06
			For >25 To 50, Deduct	-4.21	
			For >50 To 100, Deduct	-17.44	
			For >100 To 500, Deduct	-35.17	
			For >500 To 1,000, Deduct	-61.94	
			For >1,000, Deduct	-78.78	
21 13 13 00-0189	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate 264.55	264.55	21.06
			For >25 To 50, Deduct	-4.21	
			For >50 To 100, Deduct	-17.44	
			For >100 To 500, Deduct	-35.17	
			For >500 To 1,000, Deduct	-61.94	
			For >1,000, Deduct	-78.78	
21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)					
21 13 13 00-0191	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 177.02	177.02	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-12.46	
			For >100 To 500, Deduct	-23.93	
			For >500 To 1,000, Deduct	-44.14	
			For >1,000, Deduct	-58.57	
21 13 13 00-0192	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 200.51	200.51	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-13.94	
			For >100 To 500, Deduct	-27.02	
			For >500 To 1,000, Deduct	-49.39	
			For >1,000, Deduct	-65.03	
21 13 13 00-0193	EA		1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 133.38	133.38	18.05
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-10.28	
			For >100 To 500, Deduct	-18.48	
			For >500 To 1,000, Deduct	-36.28	
			For >1,000, Deduct	-50.72	
21 13 13 00-0194	EA		3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 132.75	132.75	19.56
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-10.55	
			For >100 To 500, Deduct	-18.55	
			For >500 To 1,000, Deduct	-37.19	
			For >1,000, Deduct	-52.83	
21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)					
21 13 13 00-0196	EA		1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head 466.15	466.15	15.03
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-26.32	
			For >100 To 500, Deduct	-59.77	
			For >500 To 1,000, Deduct	-94.13	
			For >1,000, Deduct	-106.17	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0197	EA		1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	454.42	15.03
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-25.73	
			For >100 To 500, Deduct	-58.31	
			For >500 To 1,000, Deduct	-92.02	
			For >1,000, Deduct	-104.05	
21 13 13 00-0198	EA		1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	184.30	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-12.22	
			For >100 To 500, Deduct	-24.54	
			For >500 To 1,000, Deduct	-43.40	
			For >1,000, Deduct	-55.43	
21 13 13 00-0199	EA		1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	208.63	15.03
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-13.44	
			For >100 To 500, Deduct	-27.58	
			For >500 To 1,000, Deduct	-47.78	
			For >1,000, Deduct	-59.81	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	72.34	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.89	
			For >100 To 500, Deduct	-9.68	
			For >500 To 1,000, Deduct	-17.36	
			For >1,000, Deduct	-22.46	
21 13 13 00-0203	EA		1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	72.34	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.89	
			For >100 To 500, Deduct	-9.68	
			For >500 To 1,000, Deduct	-17.36	
			For >1,000, Deduct	-22.46	
21 13 13 00-0204	EA		1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	73.30	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.94	
			For >100 To 500, Deduct	-9.80	
			For >500 To 1,000, Deduct	-17.53	
			For >1,000, Deduct	-22.63	
21 13 13 00-0205	EA		1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	63.44	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.45	
			For >100 To 500, Deduct	-8.57	
			For >500 To 1,000, Deduct	-15.75	
			For >1,000, Deduct	-20.85	
21 13 13 00-0206	EA		1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	63.44	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.45	
			For >100 To 500, Deduct	-8.57	
			For >500 To 1,000, Deduct	-15.75	
			For >1,000, Deduct	-20.85	
21 13 13 00-0207	EA		1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	63.44	15.30
			For >25 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.45	
			For >100 To 500, Deduct	-8.57	
			For >500 To 1,000, Deduct	-15.75	
			For >1,000, Deduct	-20.85	
21 13 13 00-0208	EA		1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	71.18	16.64
			For >25 To 50, Deduct	-1.39	
			For >50 To 100, Deduct	-4.95	
			For >100 To 500, Deduct	-9.59	
			For >500 To 1,000, Deduct	-17.52	
			For >1,000, Deduct	-23.07	
21 13 13 00-0209			Sprinkler Head Escutcheon (21 13 13 00-0200)		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	28.22	5.42
			For >25 To 50, Deduct	-0.45	
			For >50 To 100, Deduct	-1.86	
			For >100 To 500, Deduct	-3.75	
			For >500 To 1,000, Deduct	-6.61	
			For >1,000, Deduct	-8.42	

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

MINOR			DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM			UNIT COST	UNIT COST	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....		28.22		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.86		
		For >100 To 500, Deduct		-3.75		
		For >500 To 1,000, Deduct		-6.61		
		For >1,000, Deduct		-8.42		
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....		26.47		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.77		
		For >100 To 500, Deduct		-3.53		
		For >500 To 1,000, Deduct		-6.30		
		For >1,000, Deduct		-8.10		
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....		26.47		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.77		
		For >100 To 500, Deduct		-3.53		
		For >500 To 1,000, Deduct		-6.30		
		For >1,000, Deduct		-8.10		
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....		18.53		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.38		
		For >100 To 500, Deduct		-2.54		
		For >500 To 1,000, Deduct		-4.87		
		For >1,000, Deduct		-6.67		
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....		27.34		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.82		
		For >100 To 500, Deduct		-3.64		
		For >500 To 1,000, Deduct		-6.45		
		For >1,000, Deduct		-8.26		
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....		27.34		5.42
		For >25 To 50, Deduct		-0.45		
		For >50 To 100, Deduct		-1.82		
		For >100 To 500, Deduct		-3.64		
		For >500 To 1,000, Deduct		-6.45		
		For >1,000, Deduct		-8.26		
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon		9.89		3.97
		For >25 To 50, Deduct		-0.30		
		For >50 To 100, Deduct		-0.80		
		For >100 To 500, Deduct		-1.39		
		For >500 To 1,000, Deduct		-2.80		
		For >1,000, Deduct		-4.00		



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

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.67	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.73	
		For >100 To 500, Deduct	-1.23	
		For >500 To 1,000, Deduct	-2.58	
		For >1,000, Deduct	-3.78	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	9.01	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.75	
		For >100 To 500, Deduct	-1.28	
		For >500 To 1,000, Deduct	-2.64	
		For >1,000, Deduct	-3.85	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	10.11	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.41	
		For >500 To 1,000, Deduct	-2.84	
		For >1,000, Deduct	-4.04	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.89	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.75	
		For >100 To 500, Deduct	-1.26	
		For >500 To 1,000, Deduct	-2.62	
		For >1,000, Deduct	-3.82	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	8.89	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.75	
		For >100 To 500, Deduct	-1.26	
		For >500 To 1,000, Deduct	-2.62	
		For >1,000, Deduct	-3.82	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	11.38	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.87	
		For >100 To 500, Deduct	-1.57	
		For >500 To 1,000, Deduct	-3.07	
		For >1,000, Deduct	-4.27	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.86	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.74	
		For >100 To 500, Deduct	-1.26	
		For >500 To 1,000, Deduct	-2.62	
		For >1,000, Deduct	-3.82	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	8.86	3.97
		For >25 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.74	
		For >100 To 500, Deduct	-1.26	
		For >500 To 1,000, Deduct	-2.62	
		For >1,000, Deduct	-3.82	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	15.19	5.56
		For >25 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.18	
		For >100 To 500, Deduct	-2.11	
		For >500 To 1,000, Deduct	-4.17	
		For >1,000, Deduct	-5.85	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	14.52	5.56
		For >25 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.15	
		For >100 To 500, Deduct	-2.03	
		For >500 To 1,000, Deduct	-4.05	
		For >1,000, Deduct	-5.73	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	14.74	5.56
		For >25 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.16	
		For >100 To 500, Deduct	-2.05	
		For >500 To 1,000, Deduct	-4.08	
		For >1,000, Deduct	-5.77	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	15.41	5.56
		For >25 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.19	
		For >100 To 500, Deduct	-2.14	
		For >500 To 1,000, Deduct	-4.21	
		For >1,000, Deduct	-5.89	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	14.74	5.56
		For >25 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-1.16	
		For >100 To 500, Deduct	-2.05	
		For >500 To 1,000, Deduct	-4.08	
		For >1,000, Deduct	-5.77	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	15.19		5.56
		For >25 To 50, Deduct	-0.42		
		For >50 To 100, Deduct	-1.18		
		For >100 To 500, Deduct	-2.11		
		For >500 To 1,000, Deduct	-4.17		
		For >1,000, Deduct	-5.85		
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	35.33		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.22		
		For >100 To 500, Deduct	-4.64		
		For >500 To 1,000, Deduct	-7.89		
		For >1,000, Deduct	-9.70		
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	41.34		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.52		
		For >100 To 500, Deduct	-5.39		
		For >500 To 1,000, Deduct	-8.97		
		For >1,000, Deduct	-10.78		
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	42.74		5.42
		For >25 To 50, Deduct	-0.45		
		For >50 To 100, Deduct	-2.59		
		For >100 To 500, Deduct	-5.57		
		For >500 To 1,000, Deduct	-9.23		
		For >1,000, Deduct	-11.03		
21 13 13 00-0247 Cover Plate For Sprinkler Heads (21 13 13 00-0200)					
21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	88.44		6.13
		For >25 To 50, Deduct	-0.51		
		For >50 To 100, Deduct	-4.93		
		For >100 To 500, Deduct	-11.31		
		For >500 To 1,000, Deduct	-17.66		
		For >1,000, Deduct	-19.70		
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	40.71		6.13
		For >25 To 50, Deduct	-0.51		
		For >50 To 100, Deduct	-2.55		
		For >100 To 500, Deduct	-5.34		
		For >500 To 1,000, Deduct	-9.07		
		For >1,000, Deduct	-11.11		
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	61.41		6.13
		For >25 To 50, Deduct	-0.51		
		For >50 To 100, Deduct	-3.58		
		For >100 To 500, Deduct	-7.93		
		For >500 To 1,000, Deduct	-12.79		
		For >1,000, Deduct	-14.84		
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	56.04		6.13
		For >25 To 50, Deduct	-0.51		
		For >50 To 100, Deduct	-3.31		
		For >100 To 500, Deduct	-7.26		
		For >500 To 1,000, Deduct	-11.83		
		For >1,000, Deduct	-13.87		



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

MINOR		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI					
21 13 13 00-0252	EA		Chrome Cover Plate For Concealed Sidewall Sprinkler Head	43.86	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-2.70	
			For >100 To 500, Deduct	-5.74	
			For >500 To 1,000, Deduct	-9.63	
			For >1,000, Deduct	-11.68	
21 13 13 00-0253	EA		White Cover Plate For Concealed Sidewall Sprinkler Head	43.86	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-2.70	
			For >100 To 500, Deduct	-5.74	
			For >500 To 1,000, Deduct	-9.63	
			For >1,000, Deduct	-11.68	
21 13 13 00-0254	EA		Off-White Cover Plate For Concealed Sidewall Sprinkler Head	56.04	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.31	
			For >100 To 500, Deduct	-7.26	
			For >500 To 1,000, Deduct	-11.83	
			For >1,000, Deduct	-13.87	
21 13 13 00-0255	EA		Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	56.04	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.31	
			For >100 To 500, Deduct	-7.26	
			For >500 To 1,000, Deduct	-11.83	
			For >1,000, Deduct	-13.87	
21 13 13 00-0256	EA		Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	65.69	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.80	
			For >100 To 500, Deduct	-8.47	
			For >500 To 1,000, Deduct	-13.56	
			For >1,000, Deduct	-15.61	
21 13 13 00-0257	EA		Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	65.69	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.80	
			For >100 To 500, Deduct	-8.47	
			For >500 To 1,000, Deduct	-13.56	
			For >1,000, Deduct	-15.61	
21 13 13 00-0258	EA		Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	65.69	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.80	
			For >100 To 500, Deduct	-8.47	
			For >500 To 1,000, Deduct	-13.56	
			For >1,000, Deduct	-15.61	
21 13 13 00-0259	EA		Specialty Cover Plate For Concealed Sidewall Sprinkler Head	56.10	6.13
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-3.32	
			For >100 To 500, Deduct	-7.27	
			For >500 To 1,000, Deduct	-11.84	
			For >1,000, Deduct	-13.88	
21 13 13 00-0260	EA		White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	98.06	7.22
			For >25 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-5.50	
			For >100 To 500, Deduct	-12.56	
			For >500 To 1,000, Deduct	-19.70	
			For >1,000, Deduct	-22.10	
21 13 13 00-0261			Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	21.14	3.61
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-1.36	
			For >100 To 500, Deduct	-2.79	
			For >500 To 1,000, Deduct	-4.83	
			For >1,000, Deduct	-6.03	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	28.16	3.79
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.32	
			For >50 To 100, Deduct	-1.72	
			For >100 To 500, Deduct	-3.68	
			For >500 To 1,000, Deduct	-6.14	
			For >1,000, Deduct	-7.40	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	36.03	3.97
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-2.13	
			For >100 To 500, Deduct	-4.67	
			For >500 To 1,000, Deduct	-7.61	
			For >1,000, Deduct	-8.93	
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	43.06	4.15
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-2.50	
			For >100 To 500, Deduct	-5.56	
			For >500 To 1,000, Deduct	-8.93	
			For >1,000, Deduct	-10.31	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 13 00-0266 Sprinkler Head Guards (21 13 13 00-0200)					
21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	27.68		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.29		
		For >100 To 500, Deduct	-3.91		
		For >500 To 1,000, Deduct	-8.05		
		For >1,000, Deduct	-11.66		
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2.....	31.41		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.47		
		For >100 To 500, Deduct	-4.38		
		For >500 To 1,000, Deduct	-8.72		
		For >1,000, Deduct	-12.33		
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	37.76		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.79		
		For >100 To 500, Deduct	-5.17		
		For >500 To 1,000, Deduct	-9.87		
		For >1,000, Deduct	-13.48		
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5.....	45.60		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-3.18		
		For >100 To 500, Deduct	-6.15		
		For >500 To 1,000, Deduct	-11.28		
		For >1,000, Deduct	-14.89		
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	31.26		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.47		
		For >100 To 500, Deduct	-4.36		
		For >500 To 1,000, Deduct	-8.70		
		For >1,000, Deduct	-12.31		
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	33.68		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-2.59		
		For >100 To 500, Deduct	-4.66		
		For >500 To 1,000, Deduct	-9.13		
		For >1,000, Deduct	-12.74		
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	51.66		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-3.49		
		For >100 To 500, Deduct	-6.91		
		For >500 To 1,000, Deduct	-12.37		
		For >1,000, Deduct	-15.98		
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	48.06		10.83
		For >25 To 50, Deduct	-0.90		
		For >50 To 100, Deduct	-3.31		
		For >100 To 500, Deduct	-6.46		
		For >500 To 1,000, Deduct	-11.72		
		For >1,000, Deduct	-15.33		
21 13 13 00-0275 Replacement Sprinkler Escutcheon (21 13 13 00-0200)					
21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon.....	14.33		3.97
		For >25 To 50, Deduct	-0.30		
		For >50 To 100, Deduct	-1.02		
		For >100 To 500, Deduct	-1.94		
		For >500 To 1,000, Deduct	-3.60		
		For >1,000, Deduct	-4.80		
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	14.22		3.97
		For >25 To 50, Deduct	-0.30		
		For >50 To 100, Deduct	-1.01		
		For >100 To 500, Deduct	-1.93		
		For >500 To 1,000, Deduct	-3.58		
		For >1,000, Deduct	-4.78		
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon.....	14.22		3.97
		For >25 To 50, Deduct	-0.30		
		For >50 To 100, Deduct	-1.01		
		For >100 To 500, Deduct	-1.93		
		For >500 To 1,000, Deduct	-3.58		
		For >1,000, Deduct	-4.78		
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	14.22		3.97
		For >25 To 50, Deduct	-0.30		
		For >50 To 100, Deduct	-1.01		
		For >100 To 500, Deduct	-1.93		
		For >500 To 1,000, Deduct	-3.58		
		For >1,000, Deduct	-4.78		
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	14.22		3.97
		For >25 To 50, Deduct	-0.30		
		For >50 To 100, Deduct	-1.01		
		For >100 To 500, Deduct	-1.93		
		For >500 To 1,000, Deduct	-3.58		
		For >1,000, Deduct	-4.78		



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0281	EA		Flush, White Replacement Sprinkler Escutcheon	17.88	3.97
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-1.19	
			For >100 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-4.24	
			For >1,000, Deduct	-5.44	
21 13 13 00-0282	EA		Deep, Brass Replacement Sprinkler Escutcheon	14.22	3.97
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-1.01	
			For >100 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.58	
			For >1,000, Deduct	-4.78	
21 13 13 00-0283	EA		Deep, Chrome Replacement Sprinkler Escutcheon	14.22	3.97
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-1.01	
			For >100 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.58	
			For >1,000, Deduct	-4.78	
21 13 13 00-0284	EA		Deep, White Replacement Sprinkler Escutcheon	14.22	3.97
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-1.01	
			For >100 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.58	
			For >1,000, Deduct	-4.78	
21 13 13 00-0285 Pendent Shield And O-Ring Assembly (21 13 13 00-0200)					
21 13 13 00-0286	EA		Pendent Shield And O-Ring Assembly	21.90	7.95
			For >25 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-1.70	
			For >100 To 500, Deduct	-3.04	
			For >500 To 1,000, Deduct	-5.99	
			For >1,000, Deduct	-8.39	
21 13 13 00-0287 Replacement Insulating Sealing Assembly (21 13 13 00-0200)					
21 13 13 00-0288	EA		Insulating Sealing Assembly	95.44	18.05
			For >100 To 500, Deduct	-12.83	
			For >500 To 1,000, Deduct	-23.31	
21 13 13 00-0289 Flexible Sprinkler Piping (21 13 13 00-0011)					
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA		2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	81.53	18.65
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-5.96	
			For >100 To 500, Deduct	-11.13	
			For >500 To 1,000, Deduct	-21.07	
			For >1,000, Deduct	-28.59	
21 13 13 00-0291	EA		3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	90.21	19.25
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.98	
			For >50 To 100, Deduct	-6.49	
			For >100 To 500, Deduct	-12.27	
			For >500 To 1,000, Deduct	-22.97	
			For >1,000, Deduct	-30.88	
21 13 13 00-0292	EA		4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	99.07	20.45
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-2.09	
			For >50 To 100, Deduct	-7.04	
			For >100 To 500, Deduct	-13.43	
			For >500 To 1,000, Deduct	-24.94	
			For >1,000, Deduct	-33.29	
21 13 13 00-0293	EA		5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	108.22	21.66
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-2.21	
			For >50 To 100, Deduct	-7.62	
			For >100 To 500, Deduct	-14.63	
			For >500 To 1,000, Deduct	-27.00	
			For >1,000, Deduct	-35.85	
21 13 13 00-0294	EA		6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	117.66	24.07
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-2.35	
			For >50 To 100, Deduct	-8.23	
			For >100 To 500, Deduct	-15.88	
			For >500 To 1,000, Deduct	-29.17	
			For >1,000, Deduct	-38.57	
21 13 13 00-0295 Sprinkler Emergency Cabinets (21 13 13 00-0011)					
21 13 13 00-0296	EA		3 Capacity Emergency Sprinkler Cabinet, A4	173.45	
21 13 13 00-0297	EA		6 Capacity Emergency Sprinkler Cabinet, A4	179.46	
21 13 13 00-0298	EA		12 Capacity Emergency Sprinkler Cabinet, A4	199.62	
21 13 13 00-0299	EA		12 Capacity Emergency Sprinkler Cabinet, A3	703.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0300	EA		Sprinkler Wrench, RC1	374.71	
21 13 13 00-0301	EA		Sprinkler Wrench, FC.....	373.25	
21 13 13 00-0302	EA		Sprinkler Wrench, W2.....	123.93	
21 13 16 Dry-Pipe Sprinkler Systems (21 13)					
21 13 16 00-0001			Complete Dry Pipe Sprinkler Systems Assembly (21 13 16)		
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.					
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	759.33	
Note: Includes branch pipe and fittings, supports and sprinkler heads.					
			For Up To 5, Add	345.96	
			For >5 To 10, Add	181.51	
			For >10 To 20, Add	139.28	
			For >20 To 40, Add	59.08	
			For >100 To 150, Deduct	-75.93	
			For >150, Deduct	-151.87	
			For Copper Pipe, Add	92.78	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-130.75	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	935.12	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.					
			For Up To 5, Add	431.33	
			For >5 To 10, Add	236.72	
			For >10 To 20, Add	179.44	
			For >20 To 40, Add	75.40	
			For >100 To 150, Deduct	-93.51	
			For >150, Deduct	-187.02	
			For Copper Pipe, Add	111.63	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-158.38	
			For Work In Restricted Working Space, Add	171.86	
21 13 16 00-0005			Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	738.04	
Note: Includes branch pipe and fittings, supports and sprinkler heads.					
			For Up To 5, Add	336.92	
			For >5 To 10, Add	178.07	
			For >10 To 20, Add	136.36	
			For >20 To 40, Add	57.75	
			For >100 To 150, Deduct	-73.80	
			For >150, Deduct	-147.61	
			For Copper Pipe, Add	89.85	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-126.76	
21 13 16 00-0007	EA		Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	910.99	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.					
			For Up To 5, Add	420.99	
			For >5 To 10, Add	232.58	
			For >10 To 20, Add	175.99	
			For >20 To 40, Add	73.85	
			For >100 To 150, Deduct	-91.10	
			For >150, Deduct	-182.20	
			For Copper Pipe, Add	108.35	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-153.90	
			For Work In Restricted Working Space, Add	169.78	
21 13 16 00-0008			Extra Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0009	EA		Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	692.77	
Note: Includes branch pipe and fittings, supports and sprinkler heads.					
			For Up To 5, Add	315.97	
			For >5 To 10, Add	166.43	
			For >10 To 20, Add	127.57	
			For >20 To 40, Add	54.07	
			For >100 To 150, Deduct	-69.28	
			For >150, Deduct	-138.55	
			For Copper Pipe, Add	84.48	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-119.12	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add For >5 To 10, Add For >10 To 20, Add For >20 To 40, Add For >100 To 150, Deduct For >150, Deduct For Copper Pipe, Add For Polyvinyl Chloride (PVC) Pipe, Deduct For Work In Restricted Working Space, Add	848.02 391.92 216.58 163.87 68.76 -84.80 -169.60 100.85 -143.25 158.14	
21 13 16 00-0011		Dry-Pipe Sprinkler System Compressors (21 13 16 00-0001)		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,577.42	340.52
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,750.34	340.52
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,896.25	340.52
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,463.65	340.52
21 13 16 00-0016		Dry Pipe Sprinkler System Components (21 13 16)		
21 13 16 00-0017		Dry Pipe Valves (21 13 16 00-0016) Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,349.23	228.67
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	4,841.43	261.93
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,381.48	444.86
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	6,824.80	561.28
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	10,471.20	565.43
21 13 16 00-0023		Dry Pipe Valve Trim (21 13 16 00-0016) Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	1,390.36 1,382.39 222.56	322.63
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	1,440.24 1,382.39 222.56	354.78
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	1,652.19 1,382.39 222.56	442.37
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	1,796.32 1,382.39 222.56	532.17
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	2,027.10 1,382.39 222.56	598.70
21 13 16 00-0029		Dry Pipe Fire Protection Air Compressors (21 13 16 00-0016)		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	1,421.60	165.71
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	1,724.51	176.40
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	2,205.95	188.15
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	2,403.61	217.02
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	2,974.77	256.58
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	3,756.42	271.54
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	4,549.93	282.24
21 13 16 00-0037		Dry Pipe Fire Protection Nitrogen Generator (21 13 16 00-0016)		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	10,280.51	256.58
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,406.52	271.54
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	16,202.59	352.79
21 13 16 00-0041		Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	326.99 -3.61 -19.96 -42.68 -71.13 -85.57	23.83
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	341.66 -3.61 -20.69 -44.51 -73.77 -88.21	23.83

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0044	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	356.35	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-21.43	
			For >100 To 500, Deduct	-46.35	
			For >500 To 1,000, Deduct	-76.42	
			For >1,000, Deduct	-90.85	
21 13 16 00-0045	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	371.07	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-22.16	
			For >100 To 500, Deduct	-48.19	
			For >500 To 1,000, Deduct	-79.06	
			For >1,000, Deduct	-93.50	
21 13 16 00-0046	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	385.76	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-22.90	
			For >100 To 500, Deduct	-50.02	
			For >500 To 1,000, Deduct	-81.71	
			For >1,000, Deduct	-96.15	
21 13 16 00-0047	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	400.44	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-23.63	
			For >100 To 500, Deduct	-51.86	
			For >500 To 1,000, Deduct	-84.35	
			For >1,000, Deduct	-98.79	
21 13 16 00-0048	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	415.12	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-24.37	
			For >100 To 500, Deduct	-53.69	
			For >500 To 1,000, Deduct	-86.99	
			For >1,000, Deduct	-101.43	
21 13 16 00-0049	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	429.84	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-25.10	
			For >100 To 500, Deduct	-55.53	
			For >500 To 1,000, Deduct	-89.64	
			For >1,000, Deduct	-104.08	
21 13 16 00-0050	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	444.50	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-25.83	
			For >100 To 500, Deduct	-57.37	
			For >500 To 1,000, Deduct	-92.28	
			For >1,000, Deduct	-106.72	
21 13 16 00-0051	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	459.20	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-26.57	
			For >100 To 500, Deduct	-59.20	
			For >500 To 1,000, Deduct	-94.93	
			For >1,000, Deduct	-109.37	
21 13 16 00-0052	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	473.91	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-27.31	
			For >100 To 500, Deduct	-61.04	
			For >500 To 1,000, Deduct	-97.58	
			For >1,000, Deduct	-112.01	
21 13 16 00-0053	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	488.60	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-28.04	
			For >100 To 500, Deduct	-62.88	
			For >500 To 1,000, Deduct	-100.22	
			For >1,000, Deduct	-114.66	
21 13 16 00-0054	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	503.32	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-28.78	
			For >100 To 500, Deduct	-64.72	
			For >500 To 1,000, Deduct	-102.87	
			For >1,000, Deduct	-117.31	
21 13 16 00-0055	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	517.97	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-29.51	
			For >100 To 500, Deduct	-66.55	
			For >500 To 1,000, Deduct	-105.51	
			For >1,000, Deduct	-119.94	



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

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	532.68	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-30.24	
		For >100 To 500, Deduct	-68.39	
		For >500 To 1,000, Deduct	-108.15	
		For >1,000, Deduct	-122.59	
21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)				
21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	323.45	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-19.78	
		For >100 To 500, Deduct	-42.24	
		For >500 To 1,000, Deduct	-70.49	
		For >1,000, Deduct	-84.93	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	338.16	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-20.52	
		For >100 To 500, Deduct	-44.07	
		For >500 To 1,000, Deduct	-73.14	
		For >1,000, Deduct	-87.58	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	352.88	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-21.25	
		For >100 To 500, Deduct	-45.91	
		For >500 To 1,000, Deduct	-75.79	
		For >1,000, Deduct	-90.23	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	367.52	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-21.99	
		For >100 To 500, Deduct	-47.74	
		For >500 To 1,000, Deduct	-78.43	
		For >1,000, Deduct	-92.86	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	382.23	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-22.72	
		For >100 To 500, Deduct	-49.58	
		For >500 To 1,000, Deduct	-81.07	
		For >1,000, Deduct	-95.51	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	396.89	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-23.45	
		For >100 To 500, Deduct	-51.42	
		For >500 To 1,000, Deduct	-83.71	
		For >1,000, Deduct	-98.15	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	411.64	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-24.19	
		For >100 To 500, Deduct	-53.26	
		For >500 To 1,000, Deduct	-86.37	
		For >1,000, Deduct	-100.81	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	426.32	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-24.93	
		For >100 To 500, Deduct	-55.09	
		For >500 To 1,000, Deduct	-89.01	
		For >1,000, Deduct	-103.45	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	440.98	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-25.66	
		For >100 To 500, Deduct	-56.93	
		For >500 To 1,000, Deduct	-91.65	
		For >1,000, Deduct	-106.09	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	455.66	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-26.39	
		For >100 To 500, Deduct	-58.76	
		For >500 To 1,000, Deduct	-94.29	
		For >1,000, Deduct	-108.73	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	470.37	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-27.13	
		For >100 To 500, Deduct	-60.60	
		For >500 To 1,000, Deduct	-96.94	
		For >1,000, Deduct	-111.38	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	485.06	23.83
		For >25 To 50, Deduct	-3.61	
		For >50 To 100, Deduct	-27.86	
		For >100 To 500, Deduct	-62.44	
		For >500 To 1,000, Deduct	-99.58	
		For >1,000, Deduct	-114.02	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0070	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	529.15	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-30.07	
			For >100 To 500, Deduct	-67.95	
			For >500 To 1,000, Deduct	-107.52	
			For >1,000, Deduct	-121.96	
21 13 16 00-0071	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	543.85	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-30.80	
			For >100 To 500, Deduct	-69.79	
			For >500 To 1,000, Deduct	-110.17	
			For >1,000, Deduct	-124.60	
21 13 16 00-0072	EA		45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	549.71	23.83
			For >25 To 50, Deduct	-3.61	
			For >50 To 100, Deduct	-31.10	
			For >100 To 500, Deduct	-70.52	
			For >500 To 1,000, Deduct	-111.22	
			For >1,000, Deduct	-125.66	
21 13 16 00-0073 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response (21 13 16 00-0016)					
21 13 16 00-0074	EA		23" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,574.60	23.83
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-82.64	
			For >100 To 500, Deduct	-198.78	
			For >500 To 1,000, Deduct	-296.72	
			For >1,000, Deduct	-312.37	
21 13 16 00-0075	EA		30" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,574.60	23.83
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-82.64	
			For >100 To 500, Deduct	-198.78	
			For >500 To 1,000, Deduct	-296.72	
			For >1,000, Deduct	-312.37	
21 13 16 00-0076	EA		36" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,574.60	23.83
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-82.64	
			For >100 To 500, Deduct	-198.78	
			For >500 To 1,000, Deduct	-296.72	
			For >1,000, Deduct	-312.37	
21 13 16 00-0077	EA		36" Length, 1-1/4" Diameter ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,574.60	23.83
			For >25 To 50, Deduct	-3.91	
			For >50 To 100, Deduct	-82.64	
			For >100 To 500, Deduct	-198.78	
			For >500 To 1,000, Deduct	-296.72	
			For >1,000, Deduct	-312.37	
21 13 19 Preaction Sprinkler Systems (21 13)					
21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies (21 13 19)					
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.					
21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)					
21 13 19 00-0003	EA		Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly	693.29	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	319.02	
			For >5 To 10, Add	201.22	
			For >10 To 20, Add	131.89	
			For >20 To 40, Add	55.52	
			For >100 To 150, Deduct	-69.33	
			For >150, Deduct	-138.66	
21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)					
21 13 19 00-0005	EA		Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	645.45	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	297.04	
			For >5 To 10, Add	187.38	
			For >10 To 20, Add	122.84	
			For >20 To 40, Add	51.70	
			For >100 To 150, Deduct	-64.55	
			For >150, Deduct	-129.09	



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

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)				
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)				
21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment (21 13 26 00-0001)				
21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment..... For Accelerator and Trim, Add For Priming Chamber, Add For Dry-Pilot Activation, Add	8,113.29 1,382.39 222.56 677.65	668.48
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment..... For Accelerator and Trim, Add For Priming Chamber, Add For Dry-Pilot Activation, Add	10,020.20 1,382.39 222.56 851.63	751.97
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment..... For Accelerator and Trim, Add For Priming Chamber, Add For Dry-Pilot Activation, Add	11,928.35 1,382.39 222.56 974.08	1,093.80
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment..... For Accelerator and Trim, Add For Priming Chamber, Add For Dry-Pilot Activation, Add	20,115.78 1,382.39 222.56 1,748.69	1,314.45
21 13 39 Foam-Water Systems (21 13)				
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)				
21 13 39 00-0002 Control Valves (21 13 39 00-0001)				
21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,628.32	668.48
21 13 39 00-0004 Supply Valves (21 13 39 00-0001)				
21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve.....	4,841.76	751.97
21 13 39 00-0006 Proportioners (21 13 39 00-0001)				
21 13 39 00-0007	EA	8" Foam Proportioner.....	3,870.66	1,093.80
21 13 39 00-0008 Monitors (21 13 39 00-0001)				
21 13 39 00-0009	EA	Oscillating Foam Monitor	6,692.52	150.40
21 13 41 Fire-Suppression Sprinkler Piping (21 13)				
See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.				
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41) Note: SDR 13.5				
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)				
21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	6.34 1.44	1.92
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	7.53 1.55	2.04
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	9.35 1.70	2.29
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	11.36 1.88	2.53
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	14.47 2.09	2.77
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	19.62 2.39	3.13
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe..... For Work In Restricted Working Space, Add	27.17 2.82	3.73
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... For Work In Restricted Working Space, Add	30.86 8.66	11.55
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... For Work In Restricted Working Space, Add	40.54 10.86	14.44
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	50.71 13.57	18.05
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	57.79 15.02	19.97
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... For Work In Restricted Working Space, Add	65.48 16.75	22.38

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0016	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	82.07	25.39
			<i>For Work In Restricted Working Space, Add</i>	19.06	
21 13 41 00-0017	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	100.30	30.08
			<i>For Work In Restricted Working Space, Add</i>	22.52	
21 13 41 00-0018			Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0019	EA		3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	31.56	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
21 13 41 00-0020	EA		1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	39.41	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.86	
21 13 41 00-0021	EA		1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	49.87	18.05
			<i>For Work In Restricted Working Space, Add</i>	13.57	
21 13 41 00-0022	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	56.44	19.97
			<i>For Work In Restricted Working Space, Add</i>	15.02	
21 13 41 00-0023	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	63.79	22.38
			<i>For Work In Restricted Working Space, Add</i>	16.75	
21 13 41 00-0024	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	77.80	25.39
			<i>For Work In Restricted Working Space, Add</i>	19.06	
21 13 41 00-0025	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	95.61	30.08
			<i>For Work In Restricted Working Space, Add</i>	22.52	
21 13 41 00-0026			Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0027	EA		3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	46.00	17.32
			<i>For Work In Restricted Working Space, Add</i>	12.99	
21 13 41 00-0028	EA		1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	59.71	21.78
			<i>For Work In Restricted Working Space, Add</i>	16.31	
21 13 41 00-0029	EA		1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	75.88	27.19
			<i>For Work In Restricted Working Space, Add</i>	20.36	
21 13 41 00-0030	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	86.87	30.08
			<i>For Work In Restricted Working Space, Add</i>	22.52	
21 13 41 00-0031	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	101.22	33.44
			<i>For Work In Restricted Working Space, Add</i>	25.12	
21 13 41 00-0032	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	123.70	38.14
			<i>For Work In Restricted Working Space, Add</i>	28.59	
21 13 41 00-0033	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	146.15	44.99
			<i>For Work In Restricted Working Space, Add</i>	33.79	
21 13 41 00-0034			Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0035	EA		1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	55.19	20.33
			<i>For Work In Restricted Working Space, Add</i>	15.20	
21 13 41 00-0036	EA		1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	71.60	25.39
			<i>For Work In Restricted Working Space, Add</i>	18.98	
21 13 41 00-0037	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	80.11	28.04
			<i>For Work In Restricted Working Space, Add</i>	21.01	
21 13 41 00-0038	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	94.27	31.28
			<i>For Work In Restricted Working Space, Add</i>	23.46	
21 13 41 00-0039	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	111.00	35.62
			<i>For Work In Restricted Working Space, Add</i>	26.67	
21 13 41 00-0040	EA		3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	130.66	41.99
			<i>For Work In Restricted Working Space, Add</i>	31.55	
21 13 41 00-0041			Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0042	EA		3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	62.01	23.10
			<i>For Work In Restricted Working Space, Add</i>	17.33	
21 13 41 00-0043	EA		1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	77.76	28.99
			<i>For Work In Restricted Working Space, Add</i>	21.73	
21 13 41 00-0044	EA		1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	97.86	36.21
			<i>For Work In Restricted Working Space, Add</i>	27.14	
21 13 41 00-0045	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	110.18	40.07
			<i>For Work In Restricted Working Space, Add</i>	30.03	
21 13 41 00-0046	EA		2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	128.26	44.64
			<i>For Work In Restricted Working Space, Add</i>	33.50	
21 13 41 00-0047	EA		2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	163.28	50.77
			<i>For Work In Restricted Working Space, Add</i>	38.12	
21 13 41 00-0048			Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0049	EA		3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	21.16	7.70
			<i>For Work In Restricted Working Space, Add</i>	5.78	
21 13 41 00-0050	EA		1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	28.35	10.35
			<i>For Work In Restricted Working Space, Add</i>	7.76	
21 13 41 00-0051	EA		1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	37.56	13.59
			<i>For Work In Restricted Working Space, Add</i>	10.18	
21 13 41 00-0052	EA		1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	42.72	15.03
			<i>For Work In Restricted Working Space, Add</i>	11.26	



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

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	48.89 12.56		16.73
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	58.38 14.29		19.01
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	70.31 16.89		22.50
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	10.78 2.89		3.85
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	17.15 4.66		6.25
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	19.60 5.09		6.74
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.40 5.63		7.46
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	26.41 6.28		8.42
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	31.72 7.15		9.51
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	40.96 8.45		11.31
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	30.01 8.56		11.43
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	39.72 11.19		14.92
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	43.90 12.38		16.48
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	49.92 13.82		18.41
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	59.06 15.74		20.94
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	71.91 18.59		24.78
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	26.15 6.35		8.42
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	33.78 8.56		11.43
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	26.15 6.35		8.42
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	33.78 8.56		11.43
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	30.62 7.80		10.35
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	39.08 9.78		12.99
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	40.50 9.78		12.99
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)					
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	50.33 12.99		17.32

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0083 EA 1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	61.98 16.31	21.78
21 13 41 00-0084 EA 1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	80.51 20.36	27.19
21 13 41 00-0085 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	91.77 22.52	30.08
21 13 41 00-0086 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	107.19 25.12	33.44

21 20 Fire-Extinguishing Systems ⁽²¹⁾**21 21 Carbon-Dioxide Fire-Extinguishing Systems ^(21 20)****21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment ^(21 21)****21 21 16 00-0001 Carbon Dioxide Cylinders ^(21 21 16)**

21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 Lb.	2,578.97	244.34
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	5,157.95	488.68
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	384.07	145.98
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle	162.01	44.64
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing	40.40	18.10

21 22 Clean-Agent Fire-Extinguishing Systems ^(21 20)**21 22 16 Clean-Agent Fire-Extinguishing Equipment ^(21 22)****21 22 16 00-0001 Ansul Fire Control Systems ^(21 22 16)****21 22 16 00-0002 Sapphire® Fire Suppression Systems ^(21 22 16 00-0001)**

Note: ANSUL® SAPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0004 EA 20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635)	1,781.21	83.30
Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA 40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)	2,032.93	83.30
Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006 EA 80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637)	2,066.03	83.30
Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638)	2,933.90	111.06
Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639)	3,100.30	111.06
Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640)	3,310.43	138.83
Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641)	3,513.32	138.83
Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586)	5,306.92	166.60
Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230)	44.96	166.60
Note: Add to empty tank cost.		

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	169.48	13.89
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	173.76	13.89
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	184.51	13.89
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	192.03	13.89
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	202.76	13.89
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	234.95	13.89
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	169.48	13.89
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	173.76	13.89
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	184.51	13.89
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	192.03	13.89
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	202.76	13.89
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	234.95	13.89

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System ^(21 22 16 00-0002)

21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	14.96	4.17
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	16.80	4.17
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	22.46	9.72
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	54.04	12.44
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	80.69	12.44
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	97.68	12.44
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	47.90	12.44
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	330.56	111.06



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	321.18	83.30
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	729.92	111.06
21 22 16 00-0037		Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	53.53	13.89
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	58.38	13.89
21 22 16 00-0040		Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	164.89	41.65
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	174.55	41.65
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	186.90	41.65
21 22 16 00-0044		Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	453.92	44.20
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	636.78	75.85
21 22 16 00-0047		Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	140.34	27.77
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	535.41	27.77
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	450.59	27.77
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,969.86	111.06
21 22 16 00-0052		Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	49.89	19.44
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	90.03	19.44
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	253.21	13.89
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	326.77	13.89
21 22 16 00-0057		Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	182.45	55.53
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	187.29	23.32
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	573.33	97.18
21 22 16 00-0061		Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	680.84	19.44
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	713.06	19.44
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	762.99	27.77
21 22 16 00-0065		Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	50.50	16.66
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	63.45	19.44
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	209.75	83.30
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	246.58	83.30
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	277.17	83.30
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	375.94	83.30
21 22 16 00-0072		Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	59.86	22.22
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	101.30	13.89
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	135.52	27.77
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	353.11	111.06
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	540.97	111.06
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,858.20	111.06
21 22 16 00-0079		Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080		Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	197.82	27.51
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	230.27	29.57
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	411.95	53.51
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	826.76	121.87
21 22 16 00-0085		Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	2,014.42	160.84

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



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	58.74	8.43
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	691.78	90.38
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,153.33	282.77
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,050.14	288.07
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)				
Note: Includes CV98 valve. Factory filled with Inergen agent.				
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,792.95	258.79
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,033.91	293.21
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,915.09	379.96
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,912.70	464.30
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,101.07	326.93
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,982.75	413.81
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,070.25	498.93
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	67.71	9.41
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	67.71	9.41
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	81.77	10.45
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,290.10	179.58
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)	21.76	2.75
Note: For single row 435 cubic foot cylinders.				
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)	30.87	3.93
Note: For double row 435 cubic foot cylinders.				
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	24.00	3.08
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	22.15	3.08
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	96.30	13.25
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	101.03	13.88
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	117.41	16.03
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	130.83	18.10
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	150.09	20.81
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	147.45	20.51
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	152.98	21.12
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	141.11	19.55
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	144.39	21.12
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	167.77	23.23
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	179.37	24.73
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	193.09	26.54
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	332.33	46.45
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	439.40	60.93
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	478.97	66.97
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	171.69	24.11
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	202.54	28.24
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	166.68	23.23
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	178.07	24.61
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	179.63	24.73
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	216.83	30.05
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	233.68	32.57
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	358.71	49.99
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	418.81	58.52
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	458.92	63.95
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	193.09	26.54
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	236.87	33.06
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	254.77	35.60
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	358.71	49.99
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	391.93	54.78
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	460.48	63.95
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	535.37	74.98
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	632.93	88.69
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	807.69	174.96
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,041.47	205.13



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,326.26	343.88
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	787.29	174.96
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	871.35	122.20
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,326.26	343.88
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	804.46	174.96
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	905.64	126.99
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,300.49	343.88
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	906.03	133.33
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,486.85	206.85
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,118.48	275.63
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,247.23	280.38
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	105.00	14.26
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	125.32	18.88
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,203.99	147.57
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	131.88	14.01
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	138.23	14.75
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	145.17	15.00
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	155.84	15.51
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	162.09	17.01
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	162.72	18.39
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	356.05	49.27
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	359.21	49.78
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	460.48	63.78
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	167.77	23.23
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	227.87	53.09
Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	439.66	34.33
Note: Includes gasket and fasteners.		
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	367.67	51.26
Note: Includes gasket and fasteners.		
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	731.57	343.88
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	230.53	32.06
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	270.62	37.40
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	726.15	343.88
Note: Includes gasket and fasteners.		
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	239.99	33.58
Note: Includes gasket and fasteners.		
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	281.18	39.13
Note: Includes gasket and fasteners.		
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	752.98	343.88
Note: Includes gasket and fasteners.		
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	47.38	2.55
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	47.89	2.80
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	51.55	3.32
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0191			Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0192	EA		Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	29.38	4.08
21 22 16 00-0193	EA		Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	241.89	31.02
21 22 16 00-0194	EA		85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	179.65	31.02
			Note: Includes upright, left, right and center.		
21 22 16 00-0195			Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)		
21 22 16 00-0196			Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0197	EA		Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	189.30	26.77
21 22 16 00-0198	EA		Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	215.14	30.51
21 22 16 00-0199	EA		Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	273.65	38.77
21 22 16 00-0200	EA		Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	294.74	41.77
21 22 16 00-0201	EA		Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	369.05	52.53
21 22 16 00-0202	EA		Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	392.80	55.78
21 22 16 00-0203	EA		Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	752.84	107.55
21 22 16 00-0204	EA		Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	60.68	8.01
21 22 16 00-0205			Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0206	EA		Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	163.99	23.26
21 22 16 00-0207	EA		Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	240.45	34.02
21 22 16 00-0208	EA		Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	21.94	3.10
21 22 16 00-0209			Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0210	EA		80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,889.19	269.88
21 22 16 00-0211	EA		16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,583.70	226.10
21 22 16 00-0212	EA		16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,229.41	175.58
21 22 16 00-0213	EA		32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,070.76	152.82
21 22 16 00-0214	EA		Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,070.76	152.82
21 22 16 00-0215	EA		Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	857.78	122.31
21 22 16 00-0216	EA		Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,583.70	226.10
21 22 16 00-0217	EA		24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	322.14	45.77
21 22 16 00-0218	EA		48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	403.84	57.53
21 22 16 00-0219	EA		8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	809.78	115.55
21 22 16 00-0220	EA		Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	136.83	19.38
21 22 16 00-0221	EA		Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	186.07	26.77
			Note: For up to 4 LDM modules.		
21 22 16 00-0222	EA		Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	322.16	45.77
21 22 16 00-0223			Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224	EA		CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	250.23	37.27
21 22 16 00-0225	EA		REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	15.45	2.55
21 22 16 00-0226	EA		REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	109.33	3.10
21 22 16 00-0227	EA		REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	16.68	3.10
21 22 16 00-0228			Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0229	EA		Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	556.20	83.54
21 22 16 00-0230	EA		Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	333.45	49.78
21 22 16 00-0231			Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0232	EA		7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	246.14	32.01
21 22 16 00-0233	EA		12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	514.67	67.78
21 22 16 00-0234	EA		18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	580.80	76.78



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	759.59	93.54
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,223.78	162.33
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	182.99	25.76
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)	326.88	46.52
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)	664.82	94.79
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,932.68	276.13
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,413.41	201.84
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	148.91	21.39
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	139.00	21.26
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	188.29	30.51
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	279.97	39.77
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	217.58	32.26
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	204.33	31.02
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	32.55	4.95
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	120.16	17.51
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	120.22	17.01
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	42.15	14.01
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	11.06	1.55
Note: Converts BX501 to low profile base.		
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	115.73	16.38
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	67.80	9.66
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	183.54	25.51
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	95.97	13.50
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	27.64	3.63
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.16	2.00
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	240.45	34.02
Note: Includes municipal box and remote station connection.		
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	723.48	97.80
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,380.21	197.09
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	36.82	5.11
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System (21 22 16 00-0001)		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	187.34	24.01
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	400.07	36.20
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,041.25	140.06
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,041.25	140.06
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,564.51	210.10
Note: Includes housing and battery cab.		
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,564.51	210.10
Note: Includes housing and battery cab.		
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,289.49	267.62

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	33.58	4.50
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	50.88	4.50
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	73.64	8.50
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	115.07	9.51
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	143.99	19.01
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	267.86	24.01
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)	7,851.89	1,175.54
Note: Includes 3 blank plates.				
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	10,023.11	1,450.66
Note: Includes centrally mounted LCD programmer module and standard display.				
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	9,061.75	1,325.60
Note: Includes centrally mounted LCD programmer.				
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,609.53	1,750.80
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,274.96	1,850.85
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	12,747.70	1,775.81
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.				
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	13,463.11	1,875.86
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.				
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	13,845.65	1,950.90
Note: Includes 2 blank plates and scan display module at far right.				
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)	14,444.88	2,050.95
Note: Includes 2 blank plates and scanner display.				
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365)	15,183.33	2,150.99
Note: Includes centrally mounted programmer module.				
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)	15,830.86	2,251.04
Note: Includes centrally mounted LCD programmer module and scanner display module.				
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)	14,884.33	2,050.95
Note: Includes centrally mounted LCD programmer.				
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)	2,396.67	275.12
Note: Includes a remote termination card and 7 relays.				
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)	2,408.49	275.12
Note: Includes a remote termination card and 7 relays.				
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)	2,170.39	250.12
Note: Includes a remote termination card without relays.				
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)	2,184.12	250.12
Note: Includes a remote termination card.				
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)	2,700.57	300.14
Note: Includes a remote termination card and 12 relays.				
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,294.47	260.12
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,510.92	292.13
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,014.27	825.38
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,955.03	660.30
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,750.37	250.12
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,261.73	162.57
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,758.60	219.10
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)	2,518.91	270.13
Note: Interface connects PC and LaserPLUS system.				
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	331.80	40.52
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,220.61	250.12
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,583.43	207.59
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,243.87	160.07
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,586.00	207.59
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,583.43	207.59
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,566.61	195.09
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	186.76	17.51
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,567.71	960.45
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,186.12	1,680.77
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,030.99	125.06
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	23.49	2.50



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.34	0.50
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	567.64	72.53
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	687.68	88.04
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	992.68	127.56
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	146.25	19.01
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	22.75	4.00
21 22 16 00-0328		Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	20.73	3.00
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	21.74	3.50
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	33.58	4.50
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	33.63	4.50
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	121.85	17.01
21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	301.43	36.02
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	406.16	48.02
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	415.25	52.53
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,014.45	75.03
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,488.51	165.08
21 22 16 00-0340		Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	6.40	1.92
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	10.96	3.85
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	30.18	11.55
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	31.15	11.55
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	21.46	7.70
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	34.52	11.55
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	46.34	17.32
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	57.88	20.33
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.36	1.81
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	21.56	5.50
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	26.52	4.00
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	38.06	5.50
21 22 16 00-0353		Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,741.41	192.09
		Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,773.14	221.10
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	1,073.17	135.06
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,226.38	152.57
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,741.41	192.09
		Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	2,102.21	221.10
		Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	595.94	68.03
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	896.20	104.04
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,686.47	215.10
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,474.11	315.14
21 22 16 00-0364		Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0365		Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)		

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	133.53	17.51
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	99.89	13.01
21 22 16 00-0368		Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0369		Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,229.03	461.46
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	99.03	10.60
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	97.56	13.76
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	58.11	8.26
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	23.75	3.35
21 22 16 00-0375		Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	110.33	14.51
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	155.56	20.51
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,214.42	161.07
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	35.31	4.65
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	15.83	2.07
21 22 16 00-0381		Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0382		Alarm Devices, Marine Fire Control System (21 22 16 00-0381)		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	64.00	8.41
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	117.86	16.25
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	117.86	16.25
21 22 16 00-0386		FM200 System Equipment (21 22 16)		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,822.11	120.66
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,484.71	138.16
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,510.75	162.89
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,632.75	193.05
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,503.70	241.32
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	808.18	241.32
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	282.53	80.24
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	351.24	60.33
21 22 16 00-0395	LB	FM200 Gas	29.58	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system.....	6,258.23	64.91
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	885.75	90.74
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	881.58	97.26
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	217.99	34.39
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	251.48	64.91
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,146.80	97.26
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system.....	834.76	256.52
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,490.28	481.92
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,246.88	964.92
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	351.52	97.26
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,640.38	365.24
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system.....	382.81	97.26
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system.....	348.50	97.26
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,632.25	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system.....	244.39	45.24

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16) Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	1,146.07	99.96
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,312.61	124.50
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,607.94	153.60
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,898.38	182.26
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	64.40	5.22
21 23 16 00-0008	EA	System Valve Actuator.....	230.46	20.77
21 23 16 00-0009	EA	Vent Plug	43.09	4.22
21 23 16 00-0010	EA	Gauge Shield	98.81	11.11
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket.....	118.59	11.11
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket.....	125.72	11.77
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	239.04	22.22
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket.....	233.47	25.21
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	293.44	25.27
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	39.56	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	41.75	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle.....	106.27	10.22
21 23 16 00-0020 EA LPF Or DM Nozzle.....	115.90	10.22
21 23 16 00-0021 EA LPR Nozzle.....	135.75	10.22
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles	79.91	7.22
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals	12.57	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap	7.76	0.66
21 23 16 00-0025 EA LPR Nozzle Disc Cap	37.83	10.16
21 23 16 00-0026 Control Systems (21 23 16 00-0001)		
21 23 16 00-0027 EA XV Control System	1,251.50	66.64
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	105.38	11.11
21 23 16 00-0029 EA 24" High Pressure Hose	125.07	11.11
21 23 16 00-0030 EA 60" High Pressure Hose	168.84	11.11
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC	243.56	22.22
21 23 16 00-0032 EA XV Microswitch Kit, SPDT	79.96	10.44
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	86.53	10.44
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring)	34.17	8.33
21 23 16 00-0035 EA KRS-50 Control Box Assembly	703.17	43.04
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	111.42	10.44
21 23 16 00-0037 EA DPDT Microswitch For KRS-50	201.94	18.11
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In)	619.02	58.09
21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)		
21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	66.08	16.66
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	90.22	16.66
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	249.80	11.11
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip	190.72	11.11
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems	31.04	3.00
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	439.31	18.33
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems	52.09	4.88
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	100.83	5.55
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems	2.83	1.11
21 23 16 00-0049 EA Cable Clamp	14.24	0.55
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems	1.93	0.44
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	1.85	0.44
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	111.16	10.33
21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054 EA KGS Standard Response Link.....	22.29	5.55
21 23 16 00-0055 EA KGS Rapid Response Link	33.46	5.55
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	28.45	5.55
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	26.43	5.55
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link	39.56	5.55
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	512.34	23.99
21 23 16 00-0061 EA 1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	556.25	29.55
21 23 16 00-0062 EA 1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	637.37	37.32
21 23 16 00-0063 EA 1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	698.62	42.98
21 23 16 00-0064 EA 2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	752.77	50.76
21 23 16 00-0065 EA 2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,252.43	74.19
21 23 16 00-0066 EA 3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,397.26	85.85
21 23 16 00-0067 EA Pneumatic Release (Single Unit)	582.06	27.10
21 23 16 00-0068 EA Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	64.80	
21 23 16 00-0069 EA 1/2" Diameter, Electric Solenoid Gas Shut-off Valve	535.96	22.33
21 23 16 00-0070 EA 3/4" Diameter, Electric Solenoid Gas Shut-off Valve	539.32	23.99
21 23 16 00-0071 EA 1" Diameter, Electric Solenoid Gas Shut-off Valve	835.65	29.55
21 23 16 00-0072 EA 1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	882.09	37.32
21 23 16 00-0073 EA 1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	1,012.71	42.98
21 23 16 00-0074 EA 2" Diameter, Electric Solenoid Gas Shut-off Valve	1,303.87	50.76
21 23 16 00-0075 EA 2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	2,160.00	74.19
21 23 16 00-0076 EA 3" Diameter, Electric Solenoid Gas Shut-off Valve	2,717.18	85.85
21 23 16 00-0077 EA Manual Reset Relay	695.36	111.62
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0079 EA 3/8" Tubing, Compression Seal Adapter.....	57.49	4.66
21 23 16 00-0080 EA 1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter.....	56.39	5.11
21 23 16 00-0081 EA 5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter.....	66.14	6.11
21 23 16 00-0082 EA 3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter.....	76.60	6.56
21 23 16 00-0083 EA 1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	66.14	6.11
21 23 16 00-0084 EA 3/8" NPT Female, Quik-Seal Adapter	56.39	5.11
21 23 16 00-0085 EA 1/2" NPT Female, Quik-Seal Adapter	56.39	5.11
21 23 16 00-0086 EA 3/4" NPT Female, Quik-Seal Adapter	92.44	8.66
21 23 16 00-0087 EA 1" NPT Female, Quik-Seal Adapter	123.10	11.44
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	56.39	
21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	411.96	33.55
21 23 16 00-0091 EA KRS-100 Actuator Assembly	367.06	34.21
21 23 16 00-0092 EA KRS-100 Mounting Bracket	298.11	8.44
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder	1,054.75	96.74
21 23 16 00-0094 EA KRS-700 Mounting Bracket	224.46	20.66
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit	345.66	20.66
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems.....	345.30	14.66
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems	103.53	9.33
21 23 16 00-0098 EA Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	13.73	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	845.32	77.75
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,026.60	78.85
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,478.75	113.62
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,939.45	155.38
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	209.46	18.55
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,379.28	121.28
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	842.14	73.97
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	27.19	2.45
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	27.19	2.45
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	27.87	2.45
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	27.19	2.45
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	27.19	2.45
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	29.65	2.45
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	47.11	4.11
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	61.13	5.44
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	66.64	28.10
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	584.16	62.53
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	498.80	23.99
21 23 16 00-0121 EA 1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	567.29	29.55
21 23 16 00-0122 EA 1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	610.23	37.32
21 23 16 00-0123 EA 1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	670.55	42.87
21 23 16 00-0124 EA 2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	770.85	50.65
21 23 16 00-0125 EA 2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,812.34	74.08
21 23 16 00-0126 EA 3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,931.34	85.74
21 23 16 00-0127 EA 3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	389.46	23.99
21 23 16 00-0128 EA 1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	668.42	29.55
21 23 16 00-0129 EA 1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	694.94	37.32
21 23 16 00-0130 EA 1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	790.77	42.87
21 23 16 00-0131 EA 2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,098.79	50.65
21 23 16 00-0132 EA 2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,134.79	74.08
21 23 16 00-0133 EA 3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,248.36	85.74
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	97.63	8.22
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	139.14	10.44
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	548.94	10.44
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	35.98	3.22



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,178.79	104.29
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,501.93	133.39
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	770.55	68.30
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	929.78	82.30
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	850.16	75.30
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	887.23	78.74
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,155.80	102.40
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,325.79	117.73
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	107.68	9.55
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	27.24	1.55
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	27.94	2.00
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	86.36	7.66
21 23 16 00-0155 EA Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.06	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	93.92	8.33
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	188.13	16.55
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	398.14	35.10
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.88	0.33
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.06	0.33
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.68	0.44
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.76	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	89.19	8.00
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	93.13	8.33
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	10.92	1.00
21 23 16 00-0169 EA 225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	128.29	10.89
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	17.95	1.55
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	24.98	2.23
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	10.92	1.00
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	15.38	1.33
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	15.03	1.33
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.30	0.33
21 23 16 00-0176 EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	7.28	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	139.11	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	952.34	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,234.04	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,424.09	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	43.71	3.78
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	45.27	4.00
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	87.19	7.66
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	123.36	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	265.19	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	176.08	15.66
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	186.14	21.99
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	47.11	4.11
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	5.97	1.44
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,653.39	244.34
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,743.26	244.34
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	897.18	55.53
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	838.47	55.53

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)****21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	706.03	86.19
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	988.01	108.67
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent.....	234.66	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent.....	412.49	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	164.26	18.09
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder.....	95.69	10.49
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	41.49	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder.....	164.26	18.09
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure).....	412.49	45.35
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure.....	219.83	24.12
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure.....	269.93	24.12
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet.....	654.57	72.00
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose.....	49.40	5.43
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder.....	219.83	24.12
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check.....	39.52	4.34
21 24 16 00-0017	EA	Detector.....	29.63	3.26
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link.....	11.12	1.21
21 24 16 00-0019	EA	Test Link.....	3.32	
21 24 16 00-0020	EA	Corner Pulley.....	15.31	1.69
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable.....	246.99	27.14
21 24 16 00-0022	EA	Pulley Tee.....	111.15	12.18
21 24 16 00-0023	EA	Manual Pull Station (Standard).....	98.80	10.85
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit.....	46.34	5.06
21 24 16 00-0025	EA	Manual Pull Station (Oversized).....	110.16	12.06
21 24 16 00-0026	EA	Conduit Offset.....	21.98	2.42
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal).....	30.28	3.38
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal).....	24.70	2.78
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal.....	41.25	4.58
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal.....	41.25	4.58
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off.....	11.06	3.14
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off.....	27.44	3.14
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle.....	49.40	5.43
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle.....	49.40	5.43
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	49.40	5.43
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle.....	49.40	5.43
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle.....	49.40	5.43
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	71.04	7.84
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve.....	397.27	31.96
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve.....	464.77	46.43
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve.....	579.92	54.88
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	622.43	68.39
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	32.76	3.61
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	52.86	5.79
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	111.15	12.18

21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve.....	748.96	93.18
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve.....	934.92	116.29
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	1,154.21	143.61
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	1,370.96	170.49
21 24 16 00-0051	EA	Vent Plug.....	31.45	3.89
21 24 16 00-0052	EA	Discharge Adapter Kit.....	40.52	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket.....	83.36	10.33
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket.....	88.23	11.00
21 24 16 00-0055	EA	4 Gallon Wall Bracket.....	166.62	20.77
21 24 16 00-0056	EA	6 Gallon Wall Bracket.....	184.67	22.99
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch.....	651.49	81.08
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch.....	679.71	84.52
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches.....	779.74	96.96
21 24 16 00-0060	EA	Tandem Control Head.....	592.50	73.75
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	1,002.89	124.73
21 24 16 00-0062	EA	Mechanical Control Box.....	446.30	55.53
21 24 16 00-0063	EA	Tandem Control Box.....	446.30	55.53
21 24 16 00-0064	EA	Mechanical Control Box Adapter.....	130.81	16.32
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator.....	393.11	48.86
21 24 16 00-0066	EA	Pressure Operated Actuator.....	161.58	20.10
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder.....	261.62	32.54
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly.....	266.76	33.20
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket.....	65.41	8.11
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder.....	754.90	93.85



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0071	EA		BMCS-7 Mounting Bracket	161.58	20.10
21 24 16 00-0072	EA		BMCS-7 Discharge Adapter Kit	161.58	20.10
21 24 16 00-0073	EA		Check Valve.....	133.38	23.88
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems	73.11	9.10
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	31.81	3.96
21 24 16 00-0076	EA		Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.36	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders.....	166.72	20.77
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW	76.43	9.55
21 24 16 00-0079	EA		Nozzles; DM And LPF	85.15	10.55
21 24 16 00-0080	EA		Swivel Adapter.....	53.85	6.67
21 24 16 00-0081	EA		Corner Pulley.....	23.08	2.89
21 24 16 00-0082	LF		1/16" Stainless Steel Cable	0.97	0.33
21 24 16 00-0083	EA		Cable Crimp Sleeve.....	1.19	0.33
21 24 16 00-0084	EA		"S" Hook	0.95	0.22
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	79.48	9.89
21 24 16 00-0086	EA		Cable Clamp	7.08	0.89
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable	0.96	0.22
21 24 16 00-0088	EA		3/8" Cable Anchor.....	84.00	10.44
21 24 16 00-0089	EA		1/2" Cable Anchor.....	84.00	10.44
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable).....	135.89	16.88
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve	145.01	18.00
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line.....	169.89	21.10
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit	53.22	6.67
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line	223.05	27.65
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line	169.89	21.10
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit.....	202.54	25.21
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only	36.40	4.55
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	40.41	5.00
21 24 16 00-0099	EA		Fusible Link 165F To 360F	13.23	1.66
21 24 16 00-0100	EA		Fusible Link 500F	21.23	1.66
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	40.41	5.00
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	29.33	5.00
21 24 16 00-0103	EA		Quartzoid Link 400 F	217.92	27.10
21 24 16 00-0104	EA		Quartzoid Link 500 F	217.92	27.10
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	78.10	9.66
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	135.88	16.88
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box	80.76	10.00
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box	139.96	17.43
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	102.55	12.77
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB.....	147.93	18.33
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In)	433.28	53.87
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC	194.84	24.21
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	194.84	24.21
21 24 16 00-0114	EA		Electric Manual Pull Station	142.29	17.66
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	79.47	9.89
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	112.80	14.00
21 24 16 00-0117	EA		Fuse, 1.2 For ECH	9.14	1.11
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	40.41	5.00
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC.....	40.41	5.00
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT	148.70	18.44
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	164.08	20.43
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	4.07	1.44
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	20.52	2.56
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	220.47	27.43
21 24 16 00-0125	EA		Suppression Abort Station	233.30	28.98
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box.....	271.75	33.77
21 24 16 00-0127	EA		Surface Mount Back Box	89.73	11.11
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP.....	1,666.41	206.91
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	1,666.41	206.91
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	138.44	17.21
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.29	0.78
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	1,204.87	
21 24 16 00-0133	EA		Extra Scorpio Key.....	20.52	
21 24 16 00-0134	EA		Extra Scorpio Manual	12.81	
21 24 16 00-0135	EA		3/8" Diameter Pipe Compression Seal Adapter	34.87	4.33
21 24 16 00-0136	EA		1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	37.85	4.66
21 24 16 00-0137	EA		5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	45.53	5.66
21 24 16 00-0138	EA		3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	48.70	6.00
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	37.85	4.66
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	37.85	4.66
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	64.75	8.11
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	85.88	10.66
21 24 16 00-0143	EA		Up To 1-1/8" Diameter Quik Patch	37.85	4.66
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	84.25	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	144.84	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge	218.93	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge	320.35	
21 24 16 00-0148	EA		Inlet Flushing Adapter.....	62.81	7.77
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet)	62.81	7.77
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet)	62.81	7.77

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet).....	62.81	7.77
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet).....	62.81	7.77
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only).....	87.15	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB.....	6.92	
21 24 16 00-0155 EA Caution Sign (Turn On Fan).....	8.36	
21 24 16 00-0156 EA Inspection Label, Authorized Installers Only.....	5.76	
21 24 16 00-0157 EA Label, Warning, A+ Control Box.....	4.03	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315.....	1,102.34	136.94
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316.....	1,286.93	159.82
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317.....	1,602.28	199.03
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318.....	1,602.28	199.03
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319.....	2,015.01	250.23
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320.....	954.95	118.61
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321.....	897.27	111.39
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322.....	725.50	90.07
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	1,256.16	156.05
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208.....	1,151.05	142.94

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002 EA 20 HP, 500 GPM, Electric-Drive Fire Pump.....	22,960.31	2,218.32
For Duplex Pumping System, Add	20,741.99	
21 31 13 00-0003 EA 30 HP, 500 GPM, Electric-Drive Fire Pump.....	26,424.48	2,495.61
For Duplex Pumping System, Add	24,113.73	
21 31 13 00-0004 EA 40 HP, 750 GPM, Electric-Drive Fire Pump.....	35,269.20	2,772.90
For Duplex Pumping System, Add	32,701.70	
21 31 13 00-0005 EA 50 HP, 1,000 GPM, Electric-Drive Fire Pump.....	43,696.54	3,235.98
For Duplex Pumping System, Add	40,460.57	
21 31 13 00-0006 EA 75 HP, 1,000 GPM, Electric-Drive Fire Pump.....	48,672.09	3,530.16
For Duplex Pumping System, Add	45,141.94	

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

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

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	82,588.29	2,647.61
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	93,423.68	2,941.80
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	98,166.79	3,235.98
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	111,706.41	3,530.16
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	118,581.77	4,118.51
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	127,669.77	5,295.23
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	138,585.82	5,883.59
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	158,468.71	6,707.30
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	189,781.90	7,236.82
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	222,657.72	8,237.03
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	264,242.57	8,825.39
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	297,538.40	9,413.75

21 34 Fire Pump Accessories ^(21 30)**21 34 13 Pressure Maintenance Pumps** ^(21 34)**21 34 13 00-0001 Jockey Pumps** ^(21 34 13)

Note: Excludes controller

21 34 13 00-0002 EA 1-1/2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump.....	2,863.21	308.22
21 34 13 00-0003 EA 2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump.....	2,989.09	337.04
21 34 13 00-0004 EA 3 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump.....	3,675.68	372.52
21 34 13 00-0005 EA 5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump.....	4,038.43	443.48
21 34 13 00-0006 EA 7.5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump.....	5,937.66	545.48

21 34 13 00-0007 Jockey Pump Controllers ^(21 34 13)

21 34 13 00-0008 EA Up To 2 HP Jockey Pump Controller.....	759.85	88.69
21 34 13 00-0009 EA >2 To 7.5 HP Jockey Pump Controller.....	1,166.43	88.69

END OF SECTION 21



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

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

22 01 Operation and Maintenance of Plumbing⁽²²⁾

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

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

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

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

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	47.25
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	49.08
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	53.94
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	57.50
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	62.20
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	79.22
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	100.28
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	116.12
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	133.00
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	74.96
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	78.90
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	87.32
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	95.97
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	105.73
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	136.47
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	164.77
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	187.08
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	211.96
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	106.84
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	110.99
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	122.63
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	134.49
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	151.84
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	185.35
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	216.47
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	260.54
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	321.45
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	329.42
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	353.20
		Note: Includes Buna rubber gasket	

22 01 10 61-0031 Replace Drain Covers^(22 01 10 61)

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	60.69
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	60.71
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	43.30
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.24
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.11
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	52.03
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	60.11
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.96
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	66.50

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0041 EA 6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.50	
22 01 10 61-0042 EA 6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.69	
22 01 10 61-0043 EA 6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	91.69	
22 01 10 61-0044 EA 7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	74.99	
22 01 10 61-0045 EA 7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	78.59	
22 01 10 61-0046 EA 7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.85	
22 01 10 61-0047 EA 7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	87.16	
22 01 10 61-0048 EA 7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	111.06	
22 01 10 61-0049 EA 8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	94.30	
22 01 10 61-0050 EA 8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	99.00	
22 01 10 61-0051 EA 8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	102.58	
22 01 10 61-0052 EA 8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	113.96	
22 01 10 61-0053 EA 9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	134.38	
22 01 10 61-0054 EA 9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	147.50	
22 01 10 61-0055 EA 9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	155.75	
22 01 10 61-0056 EA 9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.27	
22 01 10 61-0057 EA 9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	165.90	
22 01 10 61-0058 EA 10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	167.37	
22 01 10 61-0059 EA 10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	190.16	
22 01 10 61-0060 EA 10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	190.43	
22 01 10 61-0061 EA 10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	190.89	
22 01 10 61-0062 EA 10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.64	
22 01 10 61-0063 EA 10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.44	
22 01 10 61-0064 EA 11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.35	
22 01 10 61-0065 EA 11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.28	
22 01 10 61-0066 EA 11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	190.66	
22 01 10 61-0067 EA 12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	173.62	
22 01 10 61-0068 EA 4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	49.62	
22 01 10 61-0069 EA 4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	53.83	
22 01 10 61-0070 EA 4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	63.69	
22 01 10 61-0071 EA 5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	84.17	
22 01 10 61-0072 EA 7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	126.70	
22 01 10 61-0073 EA 9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	190.61	
22 01 10 61-0074 Repair And Tape Pipe Insulation Seam (22 01 10 61)		
22 01 10 61-0075 LF Repair and Taping Of Damaged Pipe Insulation Seam	1.35	
22 01 40 Operation and Maintenance of Plumbing Fixtures (22 01)		
22 01 40 81 Plumbing Fixtures Replacement (22 01 40)		
22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim (22 01 40 81)		
Note: Includes removal of existing item(s) and installation of new item(s).		
22 01 40 81-0002 EA Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	62.56	
22 01 40 81-0003 EA Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	23.39	
22 01 40 81-0004 EA Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	30.40	
22 01 40 81-0005 EA Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	42.47	
22 01 40 81-0006 EA Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	65.98	
22 01 40 81-0007 EA Removal And Replacement Of Shower Head, Polished Chrome	42.86	
22 01 40 81-0008 EA Removal And Replacement Of Shower Arm	46.76	
22 01 40 81-0009 EA Removal And Replacement Of Shower Head	57.06	
22 01 40 81-0010 EA Removal And Replacement Of Shower Knob	43.09	
22 01 40 81-0011 EA Removal And Replacement Of Shower and Tub Control Trim	122.83	
Note: Excludes balancing valve.		
22 01 40 81-0012 EA Removal And Replacement Of Sink Basket Strainer	34.43	
22 01 40 81-0013 EA Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.16	
22 01 40 81-0014 EA Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	19.11	
22 01 40 81-0015 EA Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.16	
22 01 40 81-0016 EA Removal And Replacement Of 1" Sink Rubber Stopper	9.61	
22 01 40 81-0017 EA Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	28.10	
22 01 40 81-0018 EA Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	47.64	
22 01 40 81-0019 EA Removal And Replacement Of Lavatory Pop-Up Rod	36.99	
22 01 40 81-0020 EA Removal And Replacement Of Lavatory Pop-up Drain Stopper	34.02	
22 01 40 81-0021 EA Removal And Replacement Of Faucet Handle	38.62	
22 01 40 81-0022 EA Removal And Replacement Of Faucet O-Ring	28.47	
22 01 40 81-0023 EA Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	21.66	
22 01 40 81-0024 EA Removal And Replacement Of Toilet Ballcock	40.05	
22 01 40 81-0025 EA Removal And Replacement Of Toilet Bowl Ring, Flat Wax	10.10	
Note: Excludes removal of toilet.		
22 01 40 81-0026 EA Removal And Replacement Of Toilet Tank	159.13	
22 01 40 81-0027 EA Removal And Replacement Of 10" Toilet Bowl	199.67	
22 01 40 81-0028 EA Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	214.74	
22 01 40 81-0029 EA Removal And Replacement Of 12" Toilet Bowl	229.28	
22 01 40 81-0030 EA Removal And Replacement Of 18", Elongated, Toilet Bowl	204.73	
22 01 40 81-0031 EA Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	24.73	
22 01 40 81-0032 EA Removal And Replacement Of Toilet Flapper With Chain	18.38	
22 01 40 81-0033 EA Removal And Replacement Of Toilet Flush Tank Lever	19.80	
22 01 40 81-0034 EA Removal And Replacement Of Elongated Toilet Seat With Lid	75.35	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0035 EA Removal And Replacement Of Elongated Toilet Seat Without Lid	77.37	
22 01 40 81-0036 EA Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	331.41	
22 01 40 81-0037 EA Removal And Replacement Of Diverter Tub Spout	70.82	
22 01 40 81-0038 EA Removal And Replacement Of Tub Spout	48.41	
22 01 40 81-0039 EA Removal And Replacement Of 2" Tub Stopper	11.24	
22 01 40 81-0040 EA Removal And Replacement Of Tub Waste/Overflow	77.56	
22 01 40 81-0041 EA Removal And Replacement Of Tub Stem Bonnet Assembly	39.78	
22 01 40 81-0042 EA Removal And Replacement Of Faucet Bonnet	43.89	
22 01 40 81-0043 EA Removal And Replacement Of Faucet Diverter Stem	27.53	
22 01 40 81-0044 EA Removal And Replacement Of Faucet Diverter Stem And Bonnet	36.55	
22 01 40 81-0045 EA Removal And Replacement Of Faucet Spout	41.52	
22 01 40 81-0046 EA Removal And Replacement Of Faucet Stem	30.51	
22 01 40 81-0047 EA Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	256.09	
22 01 40 81-0048 EA Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	324.73	
22 01 40 81-0049 EA Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	192.98	

22 05 Common Work Results for Plumbing ⁽²²⁾

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

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

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

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

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

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

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

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

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

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

22 05 23 00-0001 Gate Valves ^(22 05 23)

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003 EA 1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	98.76	12.06
For 150 Lb. Rating, Add	6.36	
For 200 Lb. Rating, Add	9.55	
For Work In Restricted Working Space, Add	10.54	
22 05 23 00-0004 EA 3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	100.61	12.06
For 150 Lb. Rating, Add	6.36	
For 200 Lb. Rating, Add	9.55	
For Work In Restricted Working Space, Add	11.09	
22 05 23 00-0005 EA 1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	102.92	12.06
For 150 Lb. Rating, Add	6.40	
For 200 Lb. Rating, Add	9.60	
For Work In Restricted Working Space, Add	11.67	
22 05 23 00-0006 EA 3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	121.23	13.27
For 150 Lb. Rating, Add	6.88	
For 200 Lb. Rating, Add	10.32	
For Work In Restricted Working Space, Add	15.73	
22 05 23 00-0007 EA 1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	147.75	15.08
For 150 Lb. Rating, Add	8.43	
For 200 Lb. Rating, Add	12.64	
For Work In Restricted Working Space, Add	19.04	
22 05 23 00-0008 EA 1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	218.00	16.05
For 150 Lb. Rating, Add	13.76	
For 200 Lb. Rating, Add	20.64	
For Work In Restricted Working Space, Add	24.12	
22 05 23 00-0009 EA 1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	242.32	18.57
For 150 Lb. Rating, Add	14.95	
For 200 Lb. Rating, Add	22.43	
For Work In Restricted Working Space, Add	27.83	
22 05 23 00-0010 EA 2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	290.82	21.95
For 150 Lb. Rating, Add	18.12	
For 200 Lb. Rating, Add	27.18	
For Work In Restricted Working Space, Add	32.90	
22 05 23 00-0011 EA 2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	673.60	29.66
For 150 Lb. Rating, Add	52.55	
For 200 Lb. Rating, Add	78.83	
For Work In Restricted Working Space, Add	44.43	
For Chain Operated Type, Add	236.48	
22 05 23 00-0012 EA 3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	790.99	34.43
For 150 Lb. Rating, Add	62.01	
For 200 Lb. Rating, Add	93.02	
For Work In Restricted Working Space, Add	51.26	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 05 23 00-0013		Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves (22 05 23 00-0001)			
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)			
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	119.96		12.06
		For 150 Lb. Rating, Add	8.48		
		For 200 Lb. Rating, Add	12.73		
		For Work In Restricted Working Space, Add	10.54		
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	121.63		12.06
		For 150 Lb. Rating, Add	8.47		
		For 200 Lb. Rating, Add	12.70		
		For Work In Restricted Working Space, Add	11.09		
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	142.10		12.06
		For 150 Lb. Rating, Add	10.32		
		For 200 Lb. Rating, Add	15.48		
		For Work In Restricted Working Space, Add	11.67		
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	160.42		13.27
		For 150 Lb. Rating, Add	10.80		
		For 200 Lb. Rating, Add	16.20		
		For Work In Restricted Working Space, Add	15.73		
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	192.46		15.08
		For 150 Lb. Rating, Add	12.90		
		For 200 Lb. Rating, Add	19.35		
		For Work In Restricted Working Space, Add	19.04		
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	279.15		16.05
		For 150 Lb. Rating, Add	19.87		
		For 200 Lb. Rating, Add	29.81		
		For Work In Restricted Working Space, Add	24.12		
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	319.24		18.57
		For 150 Lb. Rating, Add	22.65		
		For 200 Lb. Rating, Add	33.97		
		For Work In Restricted Working Space, Add	27.83		
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	409.67		21.95
		For 150 Lb. Rating, Add	30.00		
		For 200 Lb. Rating, Add	45.00		
		For Work In Restricted Working Space, Add	32.90		
22 05 23 00-0022		200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001)			
		Note: 200 psi cold working pressure.			
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	138.09		12.06
		For Work In Restricted Working Space, Add	8.14		
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	155.48		13.27
		For Work In Restricted Working Space, Add	9.27		
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	204.71		15.08
		For Work In Restricted Working Space, Add	11.08		
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	280.07		16.05
		For Work In Restricted Working Space, Add	12.21		
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	324.86		18.57
		For Work In Restricted Working Space, Add	13.57		
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	447.94		21.95
		For Work In Restricted Working Space, Add	16.28		
22 05 23 00-0029		Ball Valves (22 05 23)			
22 05 23 00-0030		Crimped Bronze, Ball Valves (22 05 23 00-0029)			
22 05 23 00-0031		Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)			
		Note: NIBCO			
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	94.15		12.06
		For Work In Restricted Working Space, Add	8.14		
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	122.22		13.27
		For Work In Restricted Working Space, Add	9.27		
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	157.14		15.08
		For Work In Restricted Working Space, Add	11.08		
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	255.70		16.05
		For Work In Restricted Working Space, Add	12.21		
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	338.78		18.57
		For Work In Restricted Working Space, Add	13.57		
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	511.94		21.95
		For Work In Restricted Working Space, Add	16.28		
22 05 23 00-0038		Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)			
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	56.37		12.06
		For Work In Restricted Working Space, Add	8.14		
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	71.98		13.27
		For Work In Restricted Working Space, Add	9.27		
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	87.50		15.08
		For Work In Restricted Working Space, Add	11.08		
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	122.88		16.05
		For Work In Restricted Working Space, Add	12.21		
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	158.99		18.57
		For Work In Restricted Working Space, Add	13.57		



Plumbing			22
Common Work Results for Plumbing			22 05
General-Duty Valves for Plumbing Piping			22 05 23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0044	EA		2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	235.98 16.28	21.95
22 05 23 00-0045			Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0046	EA		1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	65.06 8.14	12.06
22 05 23 00-0047	EA		3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	78.30 9.27	13.27
22 05 23 00-0048	EA		1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	97.61 11.08	15.08
22 05 23 00-0049	EA		1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	154.47 12.21	16.05
22 05 23 00-0050	EA		1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	226.93 13.57	18.57
22 05 23 00-0051	EA		2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	314.98 16.28	21.95
22 05 23 00-0052			Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0053	EA		1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	62.69 8.14	12.06
22 05 23 00-0054	EA		3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	76.09 9.27	13.27
22 05 23 00-0055	EA		1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	92.55 11.08	15.08
22 05 23 00-0056			Check Valves (22 05 23)		
22 05 23 00-0057			Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056) Note: NIBCO		
22 05 23 00-0058	EA		1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	182.00 8.14	12.06
22 05 23 00-0059	EA		3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	232.00 9.27	13.27
22 05 23 00-0060	EA		1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	321.24 11.08	15.08
22 05 23 00-0061	EA		1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	429.02 12.21	16.05
22 05 23 00-0062	EA		1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	512.13 13.57	18.57
22 05 23 00-0063	EA		2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	733.84 16.28	21.95
22 05 23 00-0064			Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)		
22 05 23 00-0065	EA		1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	49.70 8.14	12.06
22 05 23 00-0066	EA		3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	59.77 9.27	13.27
22 05 23 00-0067	EA		1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	70.21 11.08	15.08
22 05 23 00-0068	EA		1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	88.82 12.21	16.05
22 05 23 00-0069	EA		1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	113.53 13.57	18.57
22 05 23 00-0070	EA		2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	178.58 16.28	21.95
22 05 23 00-0071			Butterfly Valves (22 05 23)		
22 05 23 00-0072			Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)		
22 05 23 00-0073	EA		2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,371.88 19.00	32.20
22 05 23 00-0074	EA		3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,484.61 22.62	37.39
22 05 23 00-0075	EA		4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,855.42 29.85	42.22
22 05 23 00-0076			Regulator Valves (22 05 23)		
22 05 23 00-0077	EA		4" Diameter, Regulator Valve (Cla-Val)	4,026.06	
22 05 23 00-0078	EA		8" Diameter, Regulator Valve (Cla-Val)	5,477.36	
22 05 23 00-0079	EA		10" Diameter, Regulator Valve (Cla-Val)	7,462.85	
22 05 23 00-0080	EA		12" Diameter, Regulator Valve (Cla-Val)	9,044.41	
22 05 23 00-0081	EA		18" Diameter, Regulator Valve (Cla-Val)	15,940.82	
22 05 23 00-0082	EA		24" Diameter, Regulator Valve (Cla-Val)	25,787.89	
22 05 23 00-0083			Oxygen (Medical) Service Ball Valve (22 05 23)		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0084	EA	1/2" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ93HE6)	382.48	21.95
22 05 23 00-0085	EA	3/4" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ93HE8)	394.22	24.12
22 05 23 00-0086	EA	1" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ93HCA).....	532.69	25.45
22 05 23 00-0087	EA	1-1/4" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ93HEB).....	648.29	32.20
22 05 23 00-0088	EA	1-1/2" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ93HEC).....	562.51	37.15
22 05 23 00-0089	EA	2" Diameter Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (NIBCO NJ9210D).....	859.85	43.91
22 05 23 00-0090		Earthquake-Sensitive Gas Shut-Off Valves (22 05 23)		
22 05 23 00-0091		0.5 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0090)		
22 05 23 00-0092	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	185.65	13.27
22 05 23 00-0093	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	210.13	15.08
22 05 23 00-0094		7 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0090)		
22 05 23 00-0095	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	245.39	16.05
22 05 23 00-0096	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	331.09	18.57
22 05 23 00-0097		60 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0090)		
22 05 23 00-0098	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	229.64	13.27
22 05 23 00-0099	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	240.68	15.08
22 05 23 00-0100	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	269.84	16.05
22 05 23 00-0101	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	367.75	18.57
22 05 23 00-0102	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	842.91	21.95
22 05 23 00-0103	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,003.04	29.55
22 05 23 00-0104	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,301.31	34.43
22 05 23 00-0105	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,508.14	38.87
22 05 23 00-0106		60 PSI Flanged Earthquake Gas Shutoff Valves (22 05 23 00-0090)		
22 05 23 00-0107	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,178.70	160.78
22 05 23 00-0108	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,452.30	188.81
22 05 23 00-0109	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,046.50	316.53
22 05 23 00-0110	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,365.70	393.60
22 05 23 00-0111	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,057.24	502.93
22 05 29		Hangers and Supports for Plumbing Piping and Equipment (22 05)		
		See CSI section 23 05 29 00-0000 for hangers and supports.		
22 05 33		Heat Tracing for Plumbing Piping (22 05)		
		See CSI section 23 83 13 00-0000 for heat tracing cables.		
22 05 48		Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)		
22 05 48 13		Vibration Controls for Plumbing Piping and Equipment (22 05 48)		
		See CSI section 23 05 48 13-0000 for vibration and seismic control.		
22 05 53		Identification for Plumbing Piping and Equipment (22 05)		
		See CSI section 23 05 53 00-0000 for identification.		
22 05 76		Facility Drainage Piping Cleanouts (22 05)		
22 05 76 00-0001		Cast Iron Cleanout With Plug And Cover (22 05 76)		
		Note: For floor installation.		
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)		
22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	829.28	64.17
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	890.91	80.45
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0005	EA		4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,113.91	97.22
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA		5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,613.19	108.79
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA		6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,993.23	117.84
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008			Cast Iron Heavy-Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)		
22 05 76 00-0009	EA		2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	960.32	64.17
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA		3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,024.03	80.45
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA		4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,247.03	97.22
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA		5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,746.31	108.79
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013	EA		6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	2,126.35	117.84
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout (22 05 76)		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	113.23	20.14
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	121.28	24.12
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed.....	156.13	27.14
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	269.78	30.16
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	410.33 9.00 19.50	33.17
22 05 76 00-0021		Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	589.06 19.50 22.50	20.14
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	850.26 19.50 22.50	21.11
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	908.56 19.50 22.50	22.32
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,016.23 19.50 22.50	25.33
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	599.55 19.50 22.50	20.14
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	865.71 19.50 22.50	21.11
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	925.08 19.50 22.50	22.32
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,034.71 19.50 22.50	25.33
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	581.43 19.50 22.50	20.14
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	806.15 19.50 22.50	21.11
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,145.20 19.50 22.50	22.32
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,386.89 19.50 22.50	25.33
22 05 76 00-0036		Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	630.71 19.50 45.00	64.17
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	715.52 19.50 45.00	80.33
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	939.81 19.50 45.00	97.22
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,328.51 19.50 45.00	117.84
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,133.11 19.50 45.00	64.17
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,217.92 19.50 45.00	80.33
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,408.87 19.50 45.00	97.22



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0046 EA 6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add	3,007.11 19.50 45.00	117.84
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	486.72	52.46
22 05 76 00-0049 EA 3" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	544.92	57.30
22 05 76 00-0050 EA 4" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	726.76	75.39
22 05 76 00-0051 EA 5" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	1,105.39	89.26
22 05 76 00-0052 EA 6" Diameter, Cleanout Tee With Cast Bronze Screw Plug.....	1,910.36	105.53
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug For Plug Tapped For Center Screw, Add	84.18 9.50	15.08
22 05 76 00-0056 EA 2-1/2" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	101.31 9.50	16.41
22 05 76 00-0057 EA 3" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	175.96 9.50	18.09
22 05 76 00-0058 EA 3-1/2" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	196.71 9.50	21.11
22 05 76 00-0059 EA 4" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	222.35 9.50	24.12
22 05 76 00-0060 EA 5" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	314.18 9.50	27.14
22 05 76 00-0061 EA 6" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	464.82 9.50	30.16
22 05 76 00-0062 EA 8" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	789.37 9.50	33.17
22 05 76 00-0063 EA 10" Diameter, Threaded Bronze Plug..... For Plug Tapped For Center Screw, Add	1,138.53 9.50	36.19
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	33.62 9.50	15.08
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	34.23 9.50	15.08
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	37.32 9.50	16.40
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	42.26 9.50	18.09
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	49.92 9.50	21.11
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	58.68 9.50	24.12
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	63.04 9.50	25.41
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	67.78 9.50	27.14
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head For Plug Tapped For Center Screw, Add	88.44 9.50	30.15
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	33.15 9.50	15.08
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	33.82 9.50	15.08
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	38.63 9.50	16.40
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	42.45 9.50	18.09
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	49.36 9.50	21.11
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	57.79 9.50	24.12
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	67.30 9.50	27.14
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head..... For Plug Tapped For Center Screw, Add	80.59 9.50	30.16

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

22 07 16 00-0001	Lavatory Insulation (22 07 16)		
22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories.....	378.27	26.23

22 07 19 Plumbing Piping Insulation (22 07)

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0001**Fiberglass (Glass Fiber) Pipe Insulation** (22 07 19)

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

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

22 07 19 00-0003	LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	8.65	2.57
	For Single Layer Of Felt Finish, Add	0.18	
	For Work In Restricted Working Space, Add	2.08	
22 07 19 00-0004	LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	8.83	2.57
	For Single Layer Of Felt Finish, Add	0.20	
	For Work In Restricted Working Space, Add	2.08	
22 07 19 00-0005	LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	9.39	2.68
	For Single Layer Of Felt Finish, Add	0.21	
	For Work In Restricted Working Space, Add	2.21	
22 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	9.73	2.80
	For Single Layer Of Felt Finish, Add	0.24	
	For Work In Restricted Working Space, Add	2.25	
22 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	10.00	2.80
	For Single Layer Of Felt Finish, Add	0.25	
	For Work In Restricted Working Space, Add	2.29	
22 07 19 00-0008	LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	10.60	2.91
	For Single Layer Of Felt Finish, Add	0.27	
	For Work In Restricted Working Space, Add	2.42	
22 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	11.11	3.03
	For Single Layer Of Felt Finish, Add	0.31	
	For Work In Restricted Working Space, Add	2.46	
22 07 19 00-0010	LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	11.73	3.15
	For Single Layer Of Felt Finish, Add	0.34	
	For Work In Restricted Working Space, Add	2.54	
22 07 19 00-0011	LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	13.34	3.38
	For Single Layer Of Felt Finish, Add	0.44	
	For Work In Restricted Working Space, Add	2.75	
22 07 19 00-0012	LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket.....	15.74	3.97
	For Single Layer Of Felt Finish, Add	0.53	
	For Work In Restricted Working Space, Add	3.20	

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

22 07 19 00-0014	LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	11.61	3.49
	For Single Layer Of Felt Finish, Add	0.21	
	For Work In Restricted Working Space, Add	2.87	
22 07 19 00-0015	LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	11.91	3.49
	For Single Layer Of Felt Finish, Add	0.24	
	For Work In Restricted Working Space, Add	2.87	
22 07 19 00-0016	LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	12.09	3.49
	For Single Layer Of Felt Finish, Add	0.25	
	For Work In Restricted Working Space, Add	2.92	
22 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	12.55	3.61
	For Single Layer Of Felt Finish, Add	0.28	
	For Work In Restricted Working Space, Add	2.96	
22 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	12.89	3.61
	For Single Layer Of Felt Finish, Add	0.30	
	For Work In Restricted Working Space, Add	3.00	
22 07 19 00-0019	LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	13.42	3.74
	For Single Layer Of Felt Finish, Add	0.33	
	For Work In Restricted Working Space, Add	3.08	
22 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	14.16	3.97
	For Single Layer Of Felt Finish, Add	0.37	
	For Work In Restricted Working Space, Add	3.20	
22 07 19 00-0021	LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	14.89	4.08
	For Single Layer Of Felt Finish, Add	0.41	
	For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0022	LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	16.86	4.31
	For Single Layer Of Felt Finish, Add	0.53	
	For Work In Restricted Working Space, Add	3.54	
22 07 19 00-0023	LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	19.50	5.01
	For Single Layer Of Felt Finish, Add	0.65	
	For Work In Restricted Working Space, Add	3.99	
22 07 19 00-0024	LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	24.11	5.60
	For Single Layer Of Felt Finish, Add	0.93	
	For Work In Restricted Working Space, Add	4.58	
22 07 19 00-0025	LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	28.36	6.65
	For Single Layer Of Felt Finish, Add	1.08	
	For Work In Restricted Working Space, Add	5.41	
22 07 19 00-0026	LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	32.54	7.58
	For Single Layer Of Felt Finish, Add	1.23	
	For Work In Restricted Working Space, Add	6.25	
22 07 19 00-0027	LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket.....	35.13	8.28
	For Single Layer Of Felt Finish, Add	1.43	
	For Work In Restricted Working Space, Add	6.47	



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

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 07 19 00-0028		1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	14.11	3.60
		For Single Layer Of Felt Finish, Add	0.43	
		For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	14.30	3.60
		For Single Layer Of Felt Finish, Add	0.45	
		For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	15.10	3.82
		For Single Layer Of Felt Finish, Add	0.48	
		For Work In Restricted Working Space, Add	3.17	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	15.64	3.90
		For Single Layer Of Felt Finish, Add	0.51	
		For Work In Restricted Working Space, Add	3.23	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	16.11	3.97
		For Single Layer Of Felt Finish, Add	0.54	
		For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	17.18	4.18
		For Single Layer Of Felt Finish, Add	0.59	
		For Work In Restricted Working Space, Add	3.47	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	17.93	4.24
		For Single Layer Of Felt Finish, Add	0.65	
		For Work In Restricted Working Space, Add	3.53	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	18.52	4.40
		For Single Layer Of Felt Finish, Add	0.67	
		For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	20.44	4.75
		For Single Layer Of Felt Finish, Add	0.76	
		For Work In Restricted Working Space, Add	3.95	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	23.66	5.55
		For Single Layer Of Felt Finish, Add	0.87	
		For Work In Restricted Working Space, Add	4.61	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	26.62	5.85
		For Single Layer Of Felt Finish, Add	1.09	
		For Work In Restricted Working Space, Add	4.87	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	32.53	7.01
		For Single Layer Of Felt Finish, Add	1.38	
		For Work In Restricted Working Space, Add	5.82	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	36.88	8.17
		For Single Layer Of Felt Finish, Add	1.50	
		For Work In Restricted Working Space, Add	6.78	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	41.31	8.94
		For Single Layer Of Felt Finish, Add	1.74	
		For Work In Restricted Working Space, Add	7.43	
22 07 19 00-0043		2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	17.43	3.97
		For Single Layer Of Felt Finish, Add	0.68	
		For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	17.65	3.97
		For Single Layer Of Felt Finish, Add	0.70	
		For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	18.27	4.08
		For Single Layer Of Felt Finish, Add	0.75	
		For Work In Restricted Working Space, Add	3.33	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	18.81	4.08
		For Single Layer Of Felt Finish, Add	0.79	
		For Work In Restricted Working Space, Add	3.38	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	19.37	4.20
		For Single Layer Of Felt Finish, Add	0.84	
		For Work In Restricted Working Space, Add	3.41	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	20.10	4.31
		For Single Layer Of Felt Finish, Add	0.87	
		For Work In Restricted Working Space, Add	3.54	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	21.14	4.43
		For Single Layer Of Felt Finish, Add	0.94	
		For Work In Restricted Working Space, Add	3.66	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	22.25	4.66
		For Single Layer Of Felt Finish, Add	1.01	
		For Work In Restricted Working Space, Add	3.79	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	24.34	4.89
		For Single Layer Of Felt Finish, Add	1.16	
		For Work In Restricted Working Space, Add	4.00	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	28.80	5.75
		For Single Layer Of Felt Finish, Add	1.35	
		For Work In Restricted Working Space, Add	4.80	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	32.70	6.07
		For Single Layer Of Felt Finish, Add	1.66	
		For Work In Restricted Working Space, Add	5.06	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket.....	39.14	7.26
		For Single Layer Of Felt Finish, Add	1.99	
		For Work In Restricted Working Space, Add	6.06	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.98 2.18 7.25	8.71
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.26 2.47 10.12	9.50
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.52 2.81 10.12	11.14
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.24 3.34 10.63	11.69
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.19 3.75 12.15	13.36
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.50 4.16 14.68	16.15
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)				
22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.65 0.95 3.80	4.66
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.96 0.98 3.80	4.66
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.84 1.05 3.86	4.66
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.49 1.11 3.89	4.78
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.17 1.17 3.91	4.78
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.17 1.22 4.07	5.01
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.60 1.32 4.22	5.12
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.89 1.40 4.36	5.37
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.87 1.63 4.60	5.60
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.41 1.89 5.23	5.95
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.39 2.94 5.83	7.11
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.62 3.59 6.72	8.17
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.29 3.83 8.36	10.14
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.74 4.44 9.12	11.20
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.49 4.90 11.66	14.23
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.98 5.37 12.24	14.92
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.38 6.06 13.99	17.03
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.72 6.97 16.90	20.57
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)				
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.87 1.04 4.20	5.16
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.21 1.07 4.20	5.16



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	25.11	5.20
			For Single Layer Of Felt Finish, Add	1.15	
			For Work In Restricted Working Space, Add	4.25	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	25.81	5.24
			For Single Layer Of Felt Finish, Add	1.21	
			For Work In Restricted Working Space, Add	4.27	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	26.61	5.30
			For Single Layer Of Felt Finish, Add	1.28	
			For Work In Restricted Working Space, Add	4.32	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	27.64	5.49
			For Single Layer Of Felt Finish, Add	1.34	
			For Work In Restricted Working Space, Add	4.48	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	29.20	5.68
			For Single Layer Of Felt Finish, Add	1.45	
			For Work In Restricted Working Space, Add	4.63	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	30.64	5.89
			For Single Layer Of Felt Finish, Add	1.54	
			For Work In Restricted Working Space, Add	4.80	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	33.93	6.21
			For Single Layer Of Felt Finish, Add	1.79	
			For Work In Restricted Working Space, Add	5.06	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	38.90	7.06
			For Single Layer Of Felt Finish, Add	2.07	
			For Work In Restricted Working Space, Add	5.75	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	52.05	7.85
			For Single Layer Of Felt Finish, Add	3.22	
			For Work In Restricted Working Space, Add	6.41	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	62.21	9.07
			For Single Layer Of Felt Finish, Add	3.94	
			For Work In Restricted Working Space, Add	7.40	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	70.63	11.28
			For Single Layer Of Felt Finish, Add	4.20	
			For Work In Restricted Working Space, Add	9.19	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	79.90	12.31
			For Single Layer Of Felt Finish, Add	4.88	
			For Work In Restricted Working Space, Add	10.04	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	93.93	15.73
			For Single Layer Of Felt Finish, Add	5.37	
			For Work In Restricted Working Space, Add	12.82	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	101.05	16.52
			For Single Layer Of Felt Finish, Add	5.90	
			For Work In Restricted Working Space, Add	13.46	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	114.69	18.89
			For Single Layer Of Felt Finish, Add	6.65	
			For Work In Restricted Working Space, Add	15.40	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket.....	134.84	22.80
			For Single Layer Of Felt Finish, Add	7.65	
			For Work In Restricted Working Space, Add	18.60	
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	25.72	5.60
			For Single Layer Of Felt Finish, Add	1.09	
			For Work In Restricted Working Space, Add	4.60	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	26.12	5.60
			For Single Layer Of Felt Finish, Add	1.13	
			For Work In Restricted Working Space, Add	4.60	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	27.43	5.60
			For Single Layer Of Felt Finish, Add	1.26	
			For Work In Restricted Working Space, Add	4.63	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	28.18	5.71
			For Single Layer Of Felt Finish, Add	1.33	
			For Work In Restricted Working Space, Add	4.66	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	29.08	5.71
			For Single Layer Of Felt Finish, Add	1.40	
			For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	30.16	5.95
			For Single Layer Of Felt Finish, Add	1.46	
			For Work In Restricted Working Space, Add	4.88	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	31.87	6.18
			For Single Layer Of Felt Finish, Add	1.58	
			For Work In Restricted Working Space, Add	5.05	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	33.34	6.41
			For Single Layer Of Felt Finish, Add	1.67	
			For Work In Restricted Working Space, Add	5.23	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	37.08	6.77
			For Single Layer Of Felt Finish, Add	1.96	
			For Work In Restricted Working Space, Add	5.53	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	42.46	7.69
			For Single Layer Of Felt Finish, Add	2.26	
			For Work In Restricted Working Space, Add	6.27	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	56.84	8.51
			For Single Layer Of Felt Finish, Add	3.52	
			For Work In Restricted Working Space, Add	6.99	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	67.96	9.80
		For Single Layer Of Felt Finish, Add	4.31	
		For Work In Restricted Working Space, Add	8.07	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	77.14	12.24
		For Single Layer Of Felt Finish, Add	4.59	
		For Work In Restricted Working Space, Add	10.03	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	87.30	13.41
		For Single Layer Of Felt Finish, Add	5.34	
		For Work In Restricted Working Space, Add	10.95	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	102.63	17.03
		For Single Layer Of Felt Finish, Add	5.88	
		For Work In Restricted Working Space, Add	13.99	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	110.37	17.95
		For Single Layer Of Felt Finish, Add	6.45	
		For Work In Restricted Working Space, Add	14.69	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	125.31	20.52
		For Single Layer Of Felt Finish, Add	7.28	
		For Work In Restricted Working Space, Add	16.80	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket.....	147.29	24.72
		For Single Layer Of Felt Finish, Add	8.37	
		For Work In Restricted Working Space, Add	20.29	
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)				
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	29.18	6.29
		For Single Layer Of Felt Finish, Add	1.28	
		For Work In Restricted Working Space, Add	5.11	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	29.61	6.29
		For Single Layer Of Felt Finish, Add	1.32	
		For Work In Restricted Working Space, Add	5.11	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	30.80	6.29
		For Single Layer Of Felt Finish, Add	1.41	
		For Work In Restricted Working Space, Add	5.20	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	31.77	6.41
		For Single Layer Of Felt Finish, Add	1.50	
		For Work In Restricted Working Space, Add	5.26	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	33.10	6.65
		For Single Layer Of Felt Finish, Add	1.58	
		For Work In Restricted Working Space, Add	5.42	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	34.30	6.88
		For Single Layer Of Felt Finish, Add	1.64	
		For Work In Restricted Working Space, Add	5.59	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	35.86	6.88
		For Single Layer Of Felt Finish, Add	1.78	
		For Work In Restricted Working Space, Add	5.68	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	37.66	7.23
		For Single Layer Of Felt Finish, Add	1.89	
		For Work In Restricted Working Space, Add	5.89	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	41.68	7.58
		For Single Layer Of Felt Finish, Add	2.20	
		For Work In Restricted Working Space, Add	6.21	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	47.76	8.63
		For Single Layer Of Felt Finish, Add	2.55	
		For Work In Restricted Working Space, Add	7.05	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	63.95	9.32
		For Single Layer Of Felt Finish, Add	3.96	
		For Work In Restricted Working Space, Add	7.86	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	76.46	11.08
		For Single Layer Of Felt Finish, Add	4.85	
		For Work In Restricted Working Space, Add	9.08	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	86.81	13.75
		For Single Layer Of Felt Finish, Add	5.17	
		For Work In Restricted Working Space, Add	11.28	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	98.23	15.04
		For Single Layer Of Felt Finish, Add	6.00	
		For Work In Restricted Working Space, Add	12.32	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	115.50	19.24
		For Single Layer Of Felt Finish, Add	6.61	
		For Work In Restricted Working Space, Add	15.75	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	124.12	20.17
		For Single Layer Of Felt Finish, Add	7.25	
		For Work In Restricted Working Space, Add	16.51	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	139.16	23.09
		For Single Layer Of Felt Finish, Add	8.00	
		For Work In Restricted Working Space, Add	18.89	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	165.71	27.86
		For Single Layer Of Felt Finish, Add	9.41	
		For Work In Restricted Working Space, Add	22.83	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	189.13	32.87
		For Single Layer Of Felt Finish, Add	10.44	
		For Work In Restricted Working Space, Add	26.90	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket.....	213.04	38.70
		For Single Layer Of Felt Finish, Add	11.28	
		For Work In Restricted Working Space, Add	31.68	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.06 12.07 37.53	45.70
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.66 13.71 47.72	58.10
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	339.28 15.36 57.91	70.77
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.65 15.95 63.83	77.76
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.51 16.59 68.85	83.71
22 07 19 00-0145		Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146		1" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.80 5.17	5.69
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.70 5.17	5.69
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.87 5.24	5.77
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.42 5.32	5.85
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.29 5.40	5.93
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.94 5.55	6.10
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.00 5.78	6.35
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.27 5.93	6.51
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.11 6.37	7.01
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.93 7.19	7.90
22 07 19 00-0157		1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.79 5.55	6.30
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.36 5.55	6.30
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.19 5.62	6.39
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.84 5.69	6.47
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.46 5.77	6.56
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.86 5.96	6.78
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.95 6.19	7.03
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.62 6.37	7.24
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.72 6.78	7.70
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	50.40 7.68	8.73
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.37 8.57	9.74
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.53 9.88	11.23
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	81.16 12.27	13.95
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	90.27 13.34	14.68
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	99.32 14.90	16.39
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	112.35 17.63	19.39
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	125.55 19.52	21.47
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation..... <i>For Work In Restricted Working Space, Add</i>	157.57 21.62	23.78

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 07 19 00-0176	2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0177	LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation	27.97		6.51	
	For Work In Restricted Working Space, Add	5.93			
22 07 19 00-0178	LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation	28.86		6.51	
	For Work In Restricted Working Space, Add	5.93			
22 07 19 00-0179	LF 1" Diameter Pipe, 2" Thick Foamglas Insulation	29.98		6.58	
	For Work In Restricted Working Space, Add	6.00			
22 07 19 00-0180	LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	31.62		6.68	
	For Work In Restricted Working Space, Add	6.07			
22 07 19 00-0181	LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	33.28		6.77	
	For Work In Restricted Working Space, Add	6.14			
22 07 19 00-0182	LF 2" Diameter Pipe, 2" Thick Foamglas Insulation	37.36		7.01	
	For Work In Restricted Working Space, Add	6.37			
22 07 19 00-0183	LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	39.21		7.26	
	For Work In Restricted Working Space, Add	6.60			
22 07 19 00-0184	LF 3" Diameter Pipe, 2" Thick Foamglas Insulation	42.15		7.50	
	For Work In Restricted Working Space, Add	6.82			
22 07 19 00-0185	LF 4" Diameter Pipe, 2" Thick Foamglas Insulation	47.60		7.91	
	For Work In Restricted Working Space, Add	7.19			
22 07 19 00-0186	LF 6" Diameter Pipe, 2" Thick Foamglas Insulation	57.07		8.99	
	For Work In Restricted Working Space, Add	8.17			
22 07 19 00-0187	LF 8" Diameter Pipe, 2" Thick Foamglas Insulation	63.53		10.03	
	For Work In Restricted Working Space, Add	9.11			
22 07 19 00-0188	LF 10" Diameter Pipe, 2" Thick Foamglas Insulation	77.49		11.55	
	For Work In Restricted Working Space, Add	10.51			
22 07 19 00-0189	LF 12" Diameter Pipe, 2" Thick Foamglas Insulation	95.98		14.37	
	For Work In Restricted Working Space, Add	13.06			
22 07 19 00-0190	LF 14" Diameter Pipe, 2" Thick Foamglas Insulation	102.44		15.68	
	For Work In Restricted Working Space, Add	14.25			
22 07 19 00-0191	LF 16" Diameter Pipe, 2" Thick Foamglas Insulation	120.68		20.04	
	For Work In Restricted Working Space, Add	18.22			
22 07 19 00-0192	LF 18" Diameter Pipe, 2" Thick Foamglas Insulation	131.80		21.04	
	For Work In Restricted Working Space, Add	19.12			
22 07 19 00-0193	LF 20" Diameter Pipe, 2" Thick Foamglas Insulation	145.59		24.05	
	For Work In Restricted Working Space, Add	21.86			
22 07 19 00-0194	LF 24" Diameter Pipe, 2" Thick Foamglas Insulation	182.94		29.06	
	For Work In Restricted Working Space, Add	26.42			
22 07 19 00-0195	2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0196	LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	34.21		7.07	
	For Work In Restricted Working Space, Add	6.42			
22 07 19 00-0197	LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.71		7.06	
	For Work In Restricted Working Space, Add	6.42			
22 07 19 00-0198	LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.60		7.17	
	For Work In Restricted Working Space, Add	6.53			
22 07 19 00-0199	LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.27		7.23	
	For Work In Restricted Working Space, Add	6.57			
22 07 19 00-0200	LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.96		7.29	
	For Work In Restricted Working Space, Add	6.62			
22 07 19 00-0201	LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.97		7.58	
	For Work In Restricted Working Space, Add	6.89			
22 07 19 00-0202	LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	46.86		7.84	
	For Work In Restricted Working Space, Add	7.13			
22 07 19 00-0203	LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.01		8.12	
	For Work In Restricted Working Space, Add	7.38			
22 07 19 00-0204	LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	57.33		8.56	
	For Work In Restricted Working Space, Add	7.78			
22 07 19 00-0205	LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	68.71		9.74	
	For Work In Restricted Working Space, Add	8.85			
22 07 19 00-0206	LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	76.55		10.85	
	For Work In Restricted Working Space, Add	9.86			
22 07 19 00-0207	LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	87.31		12.50	
	For Work In Restricted Working Space, Add	11.38			
22 07 19 00-0208	LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	108.72		15.56	
	For Work In Restricted Working Space, Add	14.14			
22 07 19 00-0209	LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	113.13		16.98	
	For Work In Restricted Working Space, Add	15.44			
22 07 19 00-0210	LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	132.85		21.70	
	For Work In Restricted Working Space, Add	19.72			
22 07 19 00-0211	LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	144.73		22.78	
	For Work In Restricted Working Space, Add	20.71			
22 07 19 00-0212	LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	166.45		26.04	
	For Work In Restricted Working Space, Add	23.67			
22 07 19 00-0213	LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	208.83		31.46	
	For Work In Restricted Working Space, Add	28.60			
22 07 19 00-0214	3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0215	LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation	41.65		7.51	
	For Work In Restricted Working Space, Add	6.83			
22 07 19 00-0216	LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation	42.56		7.51	
	For Work In Restricted Working Space, Add	6.83			



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

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.85 6.94	7.63
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.92 6.99	7.68
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	46.03 7.04	7.75
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.56 7.34	8.06
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.95 7.59	8.35
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	60.44 7.85	8.64
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	69.22 8.28	9.10
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	75.67 9.41	10.35
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	85.52 10.50	11.54
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	102.18 12.10	13.31
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	118.31 15.04	16.54
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	126.55 16.42	18.06
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	150.57 20.98	23.09
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	161.35 22.04	24.23
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	189.33 25.18	27.70
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	231.60 30.43	33.47
22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	50.15 8.28	9.10
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.29 8.28	9.10
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.61 8.33	9.16
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	53.93 8.39	9.22
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	55.42 8.49	9.33
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	61.22 8.78	9.67
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	67.04 9.09	10.00
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	70.89 9.41	10.35
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	75.98 9.95	10.94
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	87.53 11.30	12.42
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	99.63 12.58	13.83
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	119.39 14.52	15.97
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	140.70 18.05	19.85
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	146.42 19.70	21.68
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	174.86 25.18	27.70
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	192.71 26.44	29.09
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	219.33 30.24	33.27
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	269.61 36.52	40.16
22 07 19 00-0252 4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)				
22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	61.02 10.17	11.20
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	62.49 10.17	11.20
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.55 10.35	11.38
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	66.43 10.47	11.52
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.99 10.79	11.88

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0258 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	74.77 11.13	12.24
22 07 19 00-0259 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.98 11.30	12.43
22 07 19 00-0260 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	84.03 11.72	12.90
22 07 19 00-0261 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	91.72 13.07	14.38
22 07 19 00-0262 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	106.58 14.04	15.43
22 07 19 00-0263 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	120.60 15.22	16.74
22 07 19 00-0264 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	137.84 18.08	19.89
22 07 19 00-0265 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	160.46 22.46	24.71
22 07 19 00-0266 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	174.42 24.53	26.97
22 07 19 00-0267 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	206.03 31.36	34.49
22 07 19 00-0268 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	230.13 32.87	36.16
22 07 19 00-0269 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	257.62 37.61	41.37
22 07 19 00-0270 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	327.77 45.44	49.99

22 07 19 00-0271**Polyisocyanurate Pipe Insulation** (22 07 19)

Note: Dow Ttrymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0272**1/2" Thick Polyisocyanurate Pipe Insulation** (22 07 19 00-0271)

22 07 19 00-0273 LF 1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	10.69	2.68
22 07 19 00-0274 LF 3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	11.89	2.80
22 07 19 00-0275 LF 1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	12.54	3.03
22 07 19 00-0276 LF 1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.22	3.15
22 07 19 00-0277 LF 1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.65	3.15
22 07 19 00-0278 LF 2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	14.43	3.26
22 07 19 00-0279 LF 2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	15.50	3.38
22 07 19 00-0280 LF 3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	16.54	3.61
22 07 19 00-0281 LF 4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	19.49	4.31
22 07 19 00-0282 LF 6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	23.38	4.89
22 07 19 00-0283 LF 8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	27.68	5.71
22 07 19 00-0284 LF 10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	31.28	6.18
22 07 19 00-0285 LF 12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	37.12	7.58

22 07 19 00-0286**1" Thick Polyisocyanurate Pipe Insulation** (22 07 19 00-0271)

22 07 19 00-0287 LF 1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	12.65	2.80
22 07 19 00-0288 LF 3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	14.31	3.03
22 07 19 00-0289 LF 1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	15.10	3.15
22 07 19 00-0290 LF 1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	15.96	3.26
22 07 19 00-0291 LF 1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	16.69	3.38
22 07 19 00-0292 LF 2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	17.70	3.38
22 07 19 00-0293 LF 2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	19.07	3.61
22 07 19 00-0294 LF 3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	20.54	3.85
22 07 19 00-0295 LF 4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	24.26	4.55
22 07 19 00-0296 LF 6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	30.69	5.71
22 07 19 00-0297 LF 8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	36.92	6.77
22 07 19 00-0298 LF 10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	42.30	7.58
22 07 19 00-0299 LF 12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	47.83	8.51

22 07 19 00-0300**1-1/2" Thick Polyisocyanurate Pipe Insulation** (22 07 19 00-0271)

22 07 19 00-0301 LF 3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	16.23	3.15
22 07 19 00-0302 LF 1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	17.17	3.26
22 07 19 00-0303 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	18.25	3.38
22 07 19 00-0304 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	19.08	3.49
22 07 19 00-0305 LF 2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	20.32	3.61
22 07 19 00-0306 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	22.04	3.85
22 07 19 00-0307 LF 3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	23.74	3.97
22 07 19 00-0308 LF 4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	28.10	4.89
22 07 19 00-0309 LF 6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	35.94	6.18
22 07 19 00-0310 LF 8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	43.73	7.58
22 07 19 00-0311 LF 10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	50.39	8.51
22 07 19 00-0312 LF 12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	55.69	9.09

22 07 19 00-0313**2" Thick Polyisocyanurate Pipe Insulation** (22 07 19 00-0271)



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0314 LF 3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	21.03	3.26
22 07 19 00-0315 LF 1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.37	3.38
22 07 19 00-0316 LF 1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.57	3.61
22 07 19 00-0317 LF 1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.58	3.61
22 07 19 00-0318 LF 2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.51	3.85
22 07 19 00-0319 LF 2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	27.68	4.08
22 07 19 00-0320 LF 3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	29.12	4.31
22 07 19 00-0321 LF 4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	34.67	5.25
22 07 19 00-0322 LF 6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	42.13	6.77
22 07 19 00-0323 LF 8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	55.19	8.51
22 07 19 00-0324 LF 10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	58.57	9.80
22 07 19 00-0325 LF 12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	63.83	10.49
22 07 19 00-0326 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0327 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0326)		
22 07 19 00-0328 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.55	3.48
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0329 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.56	3.48
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0330 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.88	3.61
For Work In Restricted Working Space, Add	2.17	
22 07 19 00-0331 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.21	3.74
For Work In Restricted Working Space, Add	2.24	
22 07 19 00-0332 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.55	3.80
For Work In Restricted Working Space, Add	2.28	
22 07 19 00-0333 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.94	3.86
For Work In Restricted Working Space, Add	2.32	
22 07 19 00-0334 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.10	3.86
For Work In Restricted Working Space, Add	2.33	
22 07 19 00-0335 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.56	3.86
For Work In Restricted Working Space, Add	2.33	
22 07 19 00-0336 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.45	3.98
For Work In Restricted Working Space, Add	2.41	
22 07 19 00-0337 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.84	4.05
For Work In Restricted Working Space, Add	2.44	
22 07 19 00-0338 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0326)		
22 07 19 00-0339 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.42	3.80
For Work In Restricted Working Space, Add	2.28	
22 07 19 00-0340 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.52	3.80
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0341 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.68	3.86
For Work In Restricted Working Space, Add	2.32	
22 07 19 00-0342 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.86	3.89
For Work In Restricted Working Space, Add	2.33	
22 07 19 00-0343 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.35	3.98
For Work In Restricted Working Space, Add	2.39	
22 07 19 00-0344 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.77	4.05
For Work In Restricted Working Space, Add	2.42	
22 07 19 00-0345 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.25	4.11
For Work In Restricted Working Space, Add	2.46	
22 07 19 00-0346 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.85	4.16
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0347 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.87	4.29
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0348 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.96	4.35
For Work In Restricted Working Space, Add	2.61	
22 07 19 00-0349 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.98	4.41
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0350 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.59	4.46
For Work In Restricted Working Space, Add	2.68	
22 07 19 00-0351 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0326)		
22 07 19 00-0352 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.43	4.11
For Work In Restricted Working Space, Add	2.46	
22 07 19 00-0353 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.55	4.16
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0354 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.22	4.29
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0355 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.53	4.35
For Work In Restricted Working Space, Add	2.61	
22 07 19 00-0356 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.37	4.46
For Work In Restricted Working Space, Add	2.68	
22 07 19 00-0357 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.28	4.53
For Work In Restricted Working Space, Add	2.72	
22 07 19 00-0358 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.68	4.56
For Work In Restricted Working Space, Add	2.73	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0359	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.35	4.59
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0360	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.65	4.71
		<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0361	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.76	4.78
		<i>For Work In Restricted Working Space, Add</i>	2.86	
22 07 19 00-0362	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.42	4.84
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0363	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	19.10	4.89
		<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0364 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0326)				
22 07 19 00-0365	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.80	4.53
		<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0366	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.09	4.59
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0367	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.08	4.71
		<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0368	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.37	4.78
		<i>For Work In Restricted Working Space, Add</i>	2.86	
22 07 19 00-0369	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.89	4.89
		<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0370	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.61	5.02
		<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0371	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.90	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0372	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.37	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.40	5.27
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0374	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.30	5.33
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0375 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)				
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-0376 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)				
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.61	3.48
		<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.71	3.48
		<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.01	3.61
		<i>For Work In Restricted Working Space, Add</i>	2.17	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.18	3.67
		<i>For Work In Restricted Working Space, Add</i>	2.20	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.37	3.74
		<i>For Work In Restricted Working Space, Add</i>	2.24	
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.61	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.28	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.83	3.86
		<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.02	3.86
		<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.19	3.86
		<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.38	3.92
		<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.66	3.98
		<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.88	3.98
		<i>For Work In Restricted Working Space, Add</i>	2.41	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.04	4.05
		<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.28	4.05
		<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-0391	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.77	4.11
		<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0392	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.36	4.16
		<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0393	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.99	4.19
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0394 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)				
22 07 19 00-0395	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.53	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.28	
22 07 19 00-0396	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.64	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0397	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.77	3.86
		<i>For Work In Restricted Working Space, Add</i>	2.32	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0398	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.93	3.86	
		For Work In Restricted Working Space, Add	2.33		
22 07 19 00-0399	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.05	3.86	
		For Work In Restricted Working Space, Add	2.33		
22 07 19 00-0400	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.39	3.98	
		For Work In Restricted Working Space, Add	2.39		
22 07 19 00-0401	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.70	4.05	
		For Work In Restricted Working Space, Add	2.42		
22 07 19 00-0402	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.99	4.11	
		For Work In Restricted Working Space, Add	2.46		
22 07 19 00-0403	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.26	4.14	
		For Work In Restricted Working Space, Add	2.48		
22 07 19 00-0404	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.49	4.16	
		For Work In Restricted Working Space, Add	2.50		
22 07 19 00-0405	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.31	4.23	
		For Work In Restricted Working Space, Add	2.54		
22 07 19 00-0406	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.82	4.29	
		For Work In Restricted Working Space, Add	2.57		
22 07 19 00-0407	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.19	4.33	
		For Work In Restricted Working Space, Add	2.59		
22 07 19 00-0408	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.51	4.35	
		For Work In Restricted Working Space, Add	2.61		
22 07 19 00-0409	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.75	4.38	
		For Work In Restricted Working Space, Add	2.63		
22 07 19 00-0410	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.95	4.41	
		For Work In Restricted Working Space, Add	2.64		
22 07 19 00-0411	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	4.46	
		For Work In Restricted Working Space, Add	2.68		
22 07 19 00-0412	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.12	4.50	
		For Work In Restricted Working Space, Add	2.70		
22 07 19 00-0413	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.03	4.53	
		For Work In Restricted Working Space, Add	2.72		
22 07 19 00-0414	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.14	4.65	
		For Work In Restricted Working Space, Add	2.79		
22 07 19 00-0415	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.37	4.78	
		For Work In Restricted Working Space, Add	2.86		
22 07 19 00-0416		3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)			
22 07 19 00-0417	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.72	4.11	
		For Work In Restricted Working Space, Add	2.46		
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.97	4.16	
		For Work In Restricted Working Space, Add	2.50		
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.36	4.29	
		For Work In Restricted Working Space, Add	2.57		
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.57	4.33	
		For Work In Restricted Working Space, Add	2.59		
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.68	4.35	
		For Work In Restricted Working Space, Add	2.61		
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.22	4.46	
		For Work In Restricted Working Space, Add	2.68		
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.65	4.53	
		For Work In Restricted Working Space, Add	2.72		
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.06	4.59	
		For Work In Restricted Working Space, Add	2.75		
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.17	4.59	
		For Work In Restricted Working Space, Add	2.75		
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.34	4.63	
		For Work In Restricted Working Space, Add	2.78		
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.65	
		For Work In Restricted Working Space, Add	2.79		
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.10	4.71	
		For Work In Restricted Working Space, Add	2.83		
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.65	4.74	
		For Work In Restricted Working Space, Add	2.85		
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.03	4.78	
		For Work In Restricted Working Space, Add	2.86		
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.61	4.81	
		For Work In Restricted Working Space, Add	2.89		
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.85	4.84	
		For Work In Restricted Working Space, Add	2.90		
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.73	4.89	
		For Work In Restricted Working Space, Add	2.94		
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.41	4.93	
		For Work In Restricted Working Space, Add	2.96		
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.56	4.95	
		For Work In Restricted Working Space, Add	2.97		
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.80	5.02	
		For Work In Restricted Working Space, Add	3.01		
22 07 19 00-0437	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.30	5.14	
		For Work In Restricted Working Space, Add	3.08		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0438		1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)		
22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.27 2.72	4.52
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.57 2.75	4.59
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.99 2.83	4.71
22 07 19 00-0442	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.30 2.85	4.74
22 07 19 00-0443	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.57 2.86	4.78
22 07 19 00-0444	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.09 2.94	4.89
22 07 19 00-0445	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.86 3.01	5.02
22 07 19 00-0446	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.25 3.05	5.02
22 07 19 00-0447	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.74 3.07	5.08
22 07 19 00-0448	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.93 3.08	5.14
22 07 19 00-0449	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.01 3.12	5.22
22 07 19 00-0450	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.86 3.16	5.27
22 07 19 00-0451	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.91 3.18	5.31
22 07 19 00-0452	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.22 3.20	5.33
22 07 19 00-0453	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.78 3.21	5.37
22 07 19 00-0454	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.05 3.23	5.39
22 07 19 00-0455	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.09 3.30	5.52
22 07 19 00-0456	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.47 3.35	5.57
22 07 19 00-0457	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.47 3.38	5.63
22 07 19 00-0458	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.62 3.45	5.76
22 07 19 00-0459		1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)		
22 07 19 00-0460	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.42 3.04	5.07
22 07 19 00-0461	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.84 3.11	5.18
22 07 19 00-0462	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.15 3.13	5.22
22 07 19 00-0463	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.47 3.14	5.26
22 07 19 00-0464	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.95 3.22	5.38
22 07 19 00-0465	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.75 3.34	5.57
22 07 19 00-0466	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.75 3.37	5.49
22 07 19 00-0467	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.63 3.41	5.62
22 07 19 00-0468	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.19 3.45	5.76
22 07 19 00-0469	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.85 3.49	5.83
22 07 19 00-0470	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.42 3.53	5.90
22 07 19 00-0471	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.16 3.55	5.92
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.90 3.57	5.93
22 07 19 00-0473	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.76 3.58	5.97
22 07 19 00-0474	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.30 3.60	5.99
22 07 19 00-0475	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.28 3.72	6.21
22 07 19 00-0476	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.89 3.78	6.30
22 07 19 00-0477	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.68 3.84	6.40
22 07 19 00-0478	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.50 3.96	6.59



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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 07 19 00-0479 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) (22 07 19 00-0375)					
22 07 19 00-0480	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	23.04		5.60	
	For Work In Restricted Working Space, Add	3.36			
22 07 19 00-0481	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	23.90		5.68	
	For Work In Restricted Working Space, Add	3.43			
22 07 19 00-0482	LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	25.30		5.73	
	For Work In Restricted Working Space, Add	3.44			
22 07 19 00-0483	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	25.80		5.77	
	For Work In Restricted Working Space, Add	3.45			
22 07 19 00-0484	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.03		5.89	
	For Work In Restricted Working Space, Add	3.53			
22 07 19 00-0485	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.61		6.17	
	For Work In Restricted Working Space, Add	3.70			
22 07 19 00-0486	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.48		6.01	
	For Work In Restricted Working Space, Add	3.72			
22 07 19 00-0487	LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.06		6.22	
	For Work In Restricted Working Space, Add	3.79			
22 07 19 00-0488	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.58		6.43	
	For Work In Restricted Working Space, Add	3.86			
22 07 19 00-0489	LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.59		6.51	
	For Work In Restricted Working Space, Add	3.90			
22 07 19 00-0490	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.64		6.59	
	For Work In Restricted Working Space, Add	3.94			
22 07 19 00-0491	LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.90		6.61	
	For Work In Restricted Working Space, Add	3.96			
22 07 19 00-0492	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.80		6.62	
	For Work In Restricted Working Space, Add	3.98			
22 07 19 00-0493	LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.11		6.65	
	For Work In Restricted Working Space, Add	3.99			
22 07 19 00-0494	LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.52		6.68	
	For Work In Restricted Working Space, Add	4.01			
22 07 19 00-0495	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.29		7.00	
	For Work In Restricted Working Space, Add	4.18			
22 07 19 00-0496	LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.06		7.14	
	For Work In Restricted Working Space, Add	4.28			
22 07 19 00-0497	LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.92		7.28	
	For Work In Restricted Working Space, Add	4.37			
22 07 19 00-0498	LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.65		7.56	
	For Work In Restricted Working Space, Add	4.54			
22 07 19 00-0499 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)					
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
22 07 19 00-0500 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)					
22 07 19 00-0501	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.66		3.48	
	For Work In Restricted Working Space, Add	2.10			
22 07 19 00-0502	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.76		3.48	
	For Work In Restricted Working Space, Add	2.10			
22 07 19 00-0503	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.05		3.61	
	For Work In Restricted Working Space, Add	2.17			
22 07 19 00-0504	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.41		3.74	
	For Work In Restricted Working Space, Add	2.24			
22 07 19 00-0505	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.65		3.80	
	For Work In Restricted Working Space, Add	2.28			
22 07 19 00-0506	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.09		3.86	
	For Work In Restricted Working Space, Add	2.32			
22 07 19 00-0507	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.42		3.86	
	For Work In Restricted Working Space, Add	2.33			
22 07 19 00-0508	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.66		3.98	
	For Work In Restricted Working Space, Add	2.33			
22 07 19 00-0509	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.75		3.98	
	For Work In Restricted Working Space, Add	2.41			
22 07 19 00-0510	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.72		4.05	
	For Work In Restricted Working Space, Add	2.44			
22 07 19 00-0511	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.25		4.16	
	For Work In Restricted Working Space, Add	2.50			
22 07 19 00-0512 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)					
22 07 19 00-0513	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.62		3.80	
	For Work In Restricted Working Space, Add	2.28			
22 07 19 00-0514	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.71		3.80	
	For Work In Restricted Working Space, Add	2.30			
22 07 19 00-0515	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.90		3.86	
	For Work In Restricted Working Space, Add	2.32			
22 07 19 00-0516	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.17		3.86	
	For Work In Restricted Working Space, Add	2.33			
22 07 19 00-0517	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.48		3.98	
	For Work In Restricted Working Space, Add	2.39			

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0518	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.95 2.42	4.05
22 07 19 00-0519	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.49 2.46	4.11
22 07 19 00-0520	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.00 2.50	4.16
22 07 19 00-0521	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.15 2.57	4.29
22 07 19 00-0522	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.19 2.61	4.35
22 07 19 00-0523	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.16 2.68	4.46
22 07 19 00-0524 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)				
22 07 19 00-0525	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.76 2.46	4.11
22 07 19 00-0526	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.12 2.50	4.16
22 07 19 00-0527	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.54 2.57	4.29
22 07 19 00-0528	LF	1/2" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.25 2.61	4.35
22 07 19 00-0529	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.88 2.68	4.46
22 07 19 00-0530	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.03 2.72	4.53
22 07 19 00-0531	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.78 2.73	4.53
22 07 19 00-0532	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.64 2.75	4.59
22 07 19 00-0533	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.29 2.83	4.71
22 07 19 00-0534	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.79 2.86	4.78
22 07 19 00-0535	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.69 2.94	4.89
22 07 19 00-0536 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)				
22 07 19 00-0537	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.76 2.72	4.53
22 07 19 00-0538	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.94 2.75	4.59
22 07 19 00-0539	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.37 2.83	4.71
22 07 19 00-0540	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.39 2.86	4.78
22 07 19 00-0541	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.23 2.94	4.89
22 07 19 00-0542	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.08 3.01	5.02
22 07 19 00-0543	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.92 3.05	5.02
22 07 19 00-0544	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.83 3.08	5.14
22 07 19 00-0545	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.39 3.16	5.27
22 07 19 00-0546	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.21 3.20	5.33
22 07 19 00-0547 Flexible Elastomeric Unicellular Insulation (22 07 19)				
Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-0548 3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0547)				
22 07 19 00-0549	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	8.75 2.09	3.48
22 07 19 00-0550	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	9.28 2.17	3.61
22 07 19 00-0551	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	9.75 2.24	3.75
22 07 19 00-0552	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.18 2.28	3.80
22 07 19 00-0553	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.65 2.32	3.86
22 07 19 00-0554	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.39 2.33	3.89
22 07 19 00-0555	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.29 2.39	3.99
22 07 19 00-0556	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.55 2.41	4.01



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0557	LF	3"	1.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	16.16 2.44	4.07
22 07 19 00-0558			1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0547)		
22 07 19 00-0559	LF	3/8"	1.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	10.17 2.24	3.75
22 07 19 00-0560	LF	1/2"	1.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	10.69 2.32	3.86
22 07 19 00-0561	LF	3/4"	1.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	11.08 2.33	3.86
22 07 19 00-0562	LF	1"	1.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	11.67 2.39	3.98
22 07 19 00-0563	LF	1-1/4"	1.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	12.15 2.42	4.05
22 07 19 00-0564	LF	1-1/2"	1.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	12.90 2.46	4.11
22 07 19 00-0565	LF	2"	1.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	14.32 2.50	4.16
22 07 19 00-0566	LF	2-1/2"	1.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	16.66 2.57	4.29
22 07 19 00-0567	LF	3"	1.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	18.20 2.61	4.35
22 07 19 00-0568	LF	3-1/2"	1.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	21.34 2.64	4.41
22 07 19 00-0569	LF	4"	1.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	22.80 2.68	4.46
22 07 19 00-0570			3/4" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0547)		
22 07 19 00-0571	LF	3/8"	1.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	12.29 2.45	4.08
22 07 19 00-0572	LF	1/2"	1.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	13.08 2.57	4.29
22 07 19 00-0573	LF	3/4"	1.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	14.09 2.61	4.35
22 07 19 00-0574	LF	1"	1.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	15.53 2.68	4.48
22 07 19 00-0575	LF	1-1/4"	1.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	16.58 2.72	4.53
22 07 19 00-0576	LF	1-1/2"	1.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	19.17 2.75	4.59
22 07 19 00-0577	LF	2"	1.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	21.40 2.78	4.63
22 07 19 00-0578	LF	2-1/2"	1.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	24.77 2.83	4.72
22 07 19 00-0579	LF	3"	1.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	27.09 2.86	4.78
22 07 19 00-0580	LF	3-1/2"	1.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	30.95 2.90	4.84
22 07 19 00-0581	LF	4"	1.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	32.71 2.94	4.89
22 07 19 00-0582			1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0547)		
22 07 19 00-0583	LF	3/8"	1.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	16.64 2.72	4.53
22 07 19 00-0584	LF	1/2"	1.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	17.50 2.83	4.72
22 07 19 00-0585	LF	3/4"	1.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	19.50 2.86	4.78
22 07 19 00-0586	LF	1"	1.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	21.89 2.94	4.89
22 07 19 00-0587	LF	1-1/4"	1.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	24.06 3.01	5.02
22 07 19 00-0588	LF	1-1/2"	1.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	25.69 3.05	5.08
22 07 19 00-0589	LF	2"	1.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	28.97 3.08	5.14
22 07 19 00-0590	LF	2-1/2"	1.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	36.91 3.16	5.27
22 07 19 00-0591	LF	3"	1.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	42.63 3.20	5.33
22 07 19 00-0592	LF	3-1/2"	1.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	45.71 3.23	5.39
22 07 19 00-0593	LF	4"	1.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation For Work In Restricted Working Space, Add	52.05 3.30	5.52
22 07 19 00-0594			Insulation Protective Jacketing (22 07 19) Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.		
22 07 19 00-0595			Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0594)		

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0596	Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0595)			
22 07 19 00-0597	SF	0.006" Aluminum Insulation Jacket With Bands.....	17.72	7.46
22 07 19 00-0598	SF	0.010" Aluminum Insulation Jacket With Bands.....	18.09	7.46
22 07 19 00-0599	SF	0.016" Aluminum Insulation Jacket With Bands.....	18.43	7.46
22 07 19 00-0600	SF	0.020" Aluminum Insulation Jacket With Bands.....	18.75	7.46
22 07 19 00-0601	SF	0.024" Aluminum Insulation Jacket With Bands.....	19.04	7.46
22 07 19 00-0602	16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)			
22 07 19 00-0603	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	9.25	2.12
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.02	
22 07 19 00-0604	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	9.68	2.16
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.03	
22 07 19 00-0605	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	10.10	2.23
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.03	
22 07 19 00-0606	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	10.55	2.28
		For Stucco Embossed, Add.....	0.01	
		For Corrugated, Add.....	0.04	
22 07 19 00-0607	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	10.91	2.31
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.04	
22 07 19 00-0608	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	11.27	2.35
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.05	
22 07 19 00-0609	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	11.69	2.40
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.05	
22 07 19 00-0610	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	12.13	2.44
		For Stucco Embossed, Add.....	0.02	
		For Corrugated, Add.....	0.06	
22 07 19 00-0611	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	12.60	2.50
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.07	
22 07 19 00-0612	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	12.98	2.54
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.07	
22 07 19 00-0613	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	13.46	2.59
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.08	
22 07 19 00-0614	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	13.93	2.65
		For Stucco Embossed, Add.....	0.03	
		For Corrugated, Add.....	0.08	
22 07 19 00-0615	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	14.39	2.71
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.09	
22 07 19 00-0616	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	14.82	2.76
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.09	
22 07 19 00-0617	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	15.32	2.83
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.10	
22 07 19 00-0618	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	15.83	2.90
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.11	
22 07 19 00-0619	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	16.37	2.97
		For Stucco Embossed, Add.....	0.04	
		For Corrugated, Add.....	0.11	
22 07 19 00-0620	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	16.83	3.03
		For Stucco Embossed, Add.....	0.05	
		For Corrugated, Add.....	0.12	
22 07 19 00-0621	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	17.38	3.11
		For Stucco Embossed, Add.....	0.05	
		For Corrugated, Add.....	0.12	
22 07 19 00-0622	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	17.95	3.19
		For Stucco Embossed, Add.....	0.05	
		For Corrugated, Add.....	0.13	
22 07 19 00-0623	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	18.45	3.26
		For Stucco Embossed, Add.....	0.05	
		For Corrugated, Add.....	0.14	
22 07 19 00-0624	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	19.08	3.35
		For Stucco Embossed, Add.....	0.06	
		For Corrugated, Add.....	0.14	
22 07 19 00-0625	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	19.69	3.45
		For Stucco Embossed, Add.....	0.06	
		For Corrugated, Add.....	0.15	
22 07 19 00-0626	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	20.14	3.50
		For Stucco Embossed, Add.....	0.06	
		For Corrugated, Add.....	0.15	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0627	LF		6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	20.58	3.56
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0628	LF		7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	21.34	3.64
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0629	LF		7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	21.91	3.74
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0630	LF		7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	22.38	3.80
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0631	LF		8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	23.10	3.86
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0632	LF		8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	23.81	3.92
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0633	LF		9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	24.67	4.02
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.21	
22 07 19 00-0634	LF		9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	25.43	4.09
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0635	LF		10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	26.17	4.17
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0636	LF		10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	26.94	4.24
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0637	LF		11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	27.86	4.36
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0638	LF		11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	28.68	4.44
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0639	LF		12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	29.48	4.53
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0640	LF		12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	30.49	4.66
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0641	LF		13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	31.12	4.71
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.31	
22 07 19 00-0642	LF		14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	32.26	4.76
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0643	LF		15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	33.56	4.85
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0644	LF		16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	34.70	4.91
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.38	
22 07 19 00-0645	LF		17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	36.04	5.01
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.40	
22 07 19 00-0646	LF		18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	36.88	5.06
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.42	
22 07 19 00-0647	LF		19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	38.56	5.19
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.45	
22 07 19 00-0648	LF		20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	39.72	5.24
			For Stucco Embossed, Add	0.19	
			For Corrugated, Add	0.47	
22 07 19 00-0649	LF		21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	41.12	5.36
			For Stucco Embossed, Add	0.20	
			For Corrugated, Add	0.49	
22 07 19 00-0650	LF		22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	42.27	5.43
			For Stucco Embossed, Add	0.21	
			For Corrugated, Add	0.51	
22 07 19 00-0651	LF		23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	43.73	5.55
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.54	
22 07 19 00-0652	LF		24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing.....	44.90	5.62
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.56	
22 07 19 00-0653			20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0654	LF		1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	10.29	2.34
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0655	LF	3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	10.80	2.39
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0656	LF	1"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.32	2.45
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0657	LF	1-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.85	2.51
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0658	LF	1-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.29	2.54
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0659	LF	1-3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.73	2.58
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0660	LF	2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.23	2.63
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0661	LF	2-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.74	2.69
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0662	LF	2-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.29	2.74
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0663	LF	2-3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.77	2.79
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0664	LF	3"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.34	2.85
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0665	LF	3-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.88	2.91
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0666	LF	3-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.44	2.98
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0667	LF	3-3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.94	3.03
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0668	LF	4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.52	3.11
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0669	LF	4-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.13	3.18
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0670	LF	4-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.77	3.26
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0671	LF	4-3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.31	3.33
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0672	LF	5"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.96	3.42
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0673	LF	5-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.63	3.51
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.16	
22 07 19 00-0674	LF	5-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.21	3.58
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0675	LF	5-3/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.95	3.70
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0676	LF	6"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.67	3.80
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.19	
22 07 19 00-0677	LF	6-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.18	3.86
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0678	LF	6-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.72	3.92
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0679	LF	7"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.62	4.01
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.21	
22 07 19 00-0680	LF	7-1/4"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.29	4.11
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0681	LF	7-1/2"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.85	4.17
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0682	LF	8"	ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.72	4.24
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0683	LF		8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	27.57	4.31
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0684	LF		9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	28.59	4.42
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0685	LF		9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	29.52	4.50
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0686	LF		10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	30.42	4.58
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0687	LF		10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	31.33	4.66
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	
22 07 19 00-0688	LF		11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	32.43	4.79
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0689	LF		11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	33.40	4.88
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0690	LF		12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	34.37	4.98
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0691	LF		12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	35.54	5.12
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.38	
22 07 19 00-0692	LF		13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	36.33	5.19
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.39	
22 07 19 00-0693	LF		14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	37.73	5.24
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.42	
22 07 19 00-0694	LF		15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	39.32	5.35
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.45	
22 07 19 00-0695	LF		16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	40.74	5.40
			For Stucco Embossed, Add	0.19	
			For Corrugated, Add	0.48	
22 07 19 00-0696	LF		17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	42.35	5.52
			For Stucco Embossed, Add	0.20	
			For Corrugated, Add	0.51	
22 07 19 00-0697	LF		18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	43.39	5.58
			For Stucco Embossed, Add	0.21	
			For Corrugated, Add	0.53	
22 07 19 00-0698	LF		19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	45.43	5.70
			For Stucco Embossed, Add	0.23	
			For Corrugated, Add	0.57	
22 07 19 00-0699	LF		20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	46.89	5.76
			For Stucco Embossed, Add	0.24	
			For Corrugated, Add	0.60	
22 07 19 00-0700	LF		21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	48.57	5.90
			For Stucco Embossed, Add	0.25	
			For Corrugated, Add	0.62	
22 07 19 00-0701	LF		22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	50.00	5.96
			For Stucco Embossed, Add	0.26	
			For Corrugated, Add	0.65	
22 07 19 00-0702	LF		23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	51.76	6.11
			For Stucco Embossed, Add	0.27	
			For Corrugated, Add	0.68	
22 07 19 00-0703	LF		24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing.....	53.21	6.18
			For Stucco Embossed, Add	0.28	
			For Corrugated, Add	0.71	
22 07 19 00-0704			24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0705	LF		1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	11.35	2.55
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0706	LF		3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	11.92	2.61
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0707	LF		1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	12.52	2.67
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0708	LF		1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	13.11	2.73
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0709	LF		1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	13.64	2.77
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0710	LF		1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing.....	14.15	2.81
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0711	LF		2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.72	2.87
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0712	LF		2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.31	2.93
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0713	LF		2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.95	2.99
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0714	LF		2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.48	3.04
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0715	LF		3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.14	3.11
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0716	LF		3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.78	3.18
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0717	LF		3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.42	3.25
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	
22 07 19 00-0718	LF		3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.99	3.31
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0719	LF		4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.65	3.39
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0720	LF		4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.34	3.47
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0721	LF		4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.09	3.56
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0722	LF		4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.71	3.63
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0723	LF		5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.44	3.74
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0724	LF		5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.19	3.84
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0725	LF		5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.87	3.92
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0726	LF		5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.70	4.03
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0727	LF		6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.53	4.15
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0728	LF		6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.12	4.21
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0729	LF		6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.73	4.27
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0730	LF		7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.77	4.37
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0731	LF		7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.54	4.48
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0732	LF		7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.17	4.55
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0733	LF		8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.19	4.63
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0734	LF		8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.17	4.70
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.31	
22 07 19 00-0735	LF		9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.35	4.82
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0736	LF		9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	33.42	4.91
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.34	
22 07 19 00-0737	LF		10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	34.47	4.99
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0738	LF		10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.52	5.08
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.38	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0739	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	36.78 0.16 0.40	5.23
22 07 19 00-0740	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	37.90 0.17 0.41	5.33
22 07 19 00-0741	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	39.02 0.17 0.43	5.44
22 07 19 00-0742	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	40.36 0.18 0.45	5.60
22 07 19 00-0743	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	41.28 0.19 0.47	5.65
22 07 19 00-0744	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	42.94 0.20 0.50	5.71
22 07 19 00-0745	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	44.80 0.21 0.54	5.83
22 07 19 00-0746	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	46.46 0.23 0.57	5.89
22 07 19 00-0747	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	48.35 0.24 0.61	6.02
22 07 19 00-0748	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	49.57 0.25 0.63	6.08
22 07 19 00-0749	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	51.96 0.27 0.68	6.22
22 07 19 00-0750	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	53.67 0.29 0.71	6.29
22 07 19 00-0751	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	55.62 0.30 0.75	6.43
22 07 19 00-0752	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	57.32 0.31 0.78	6.50
22 07 19 00-0753	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	59.36 0.33 0.82	6.67
22 07 19 00-0754	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	61.07 0.34 0.85	6.75
22 07 19 00-0755		32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0756	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	12.85 0.02 0.04	2.82
22 07 19 00-0757	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	13.57 0.02 0.05	2.89
22 07 19 00-0758	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	14.30 0.02 0.06	2.95
22 07 19 00-0759	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	15.06 0.03 0.07	3.02
22 07 19 00-0760	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	15.70 0.03 0.09	3.07
22 07 19 00-0761	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	16.35 0.04 0.10	3.12
22 07 19 00-0762	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	17.08 0.04 0.11	3.18
22 07 19 00-0763	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	17.80 0.05 0.12	3.25
22 07 19 00-0764	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	18.61 0.05 0.13	3.31
22 07 19 00-0765	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	19.28 0.06 0.15	3.37
22 07 19 00-0766	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	20.10 0.06 0.16	3.44

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0767	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	20.89	3.52
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0768	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	21.68	3.60
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0769	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	22.39	3.66
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.19	
22 07 19 00-0770	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	23.21	3.76
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0771	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	24.04	3.86
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0772	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	24.96	3.95
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0773	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	25.74	4.03
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.24	
22 07 19 00-0774	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	26.63	4.14
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.25	
22 07 19 00-0775	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	27.56	4.25
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.26	
22 07 19 00-0776	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	28.37	4.34
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.28	
22 07 19 00-0777	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	29.39	4.46
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.29	
22 07 19 00-0778	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	30.38	4.59
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0779	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	31.13	4.66
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.31	
22 07 19 00-0780	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	31.87	4.73
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.32	
22 07 19 00-0781	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	33.18	4.84
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.35	
22 07 19 00-0782	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	34.11	4.96
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.36	
22 07 19 00-0783	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	34.90	5.04
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.37	
22 07 19 00-0784	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	36.18	5.12
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.39	
22 07 19 00-0785	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	37.44	5.22
		For Stucco Embossed, Add	.....	0.17	
		For Corrugated, Add	.....	0.41	
22 07 19 00-0786	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	38.91	5.35
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.44	
22 07 19 00-0787	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	40.26	5.44
		For Stucco Embossed, Add	.....	0.19	
		For Corrugated, Add	.....	0.46	
22 07 19 00-0788	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	41.58	5.54
		For Stucco Embossed, Add	.....	0.19	
		For Corrugated, Add	.....	0.49	
22 07 19 00-0789	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	42.91	5.64
		For Stucco Embossed, Add	.....	0.20	
		For Corrugated, Add	.....	0.51	
22 07 19 00-0790	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	44.47	5.80
		For Stucco Embossed, Add	.....	0.21	
		For Corrugated, Add	.....	0.53	
22 07 19 00-0791	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	45.90	5.91
		For Stucco Embossed, Add	.....	0.22	
		For Corrugated, Add	.....	0.56	
22 07 19 00-0792	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	47.28	6.02
		For Stucco Embossed, Add	.....	0.23	
		For Corrugated, Add	.....	0.58	
22 07 19 00-0793	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	48.94	6.20
		For Stucco Embossed, Add	.....	0.24	
		For Corrugated, Add	.....	0.60	
22 07 19 00-0794	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	.....	50.11	6.26
		For Stucco Embossed, Add	.....	0.25	
		For Corrugated, Add	.....	0.63	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0795	LF	14"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	52.28 0.27 0.67	6.33
22 07 19 00-0796	LF	15"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	54.67 0.29 0.72	6.46
22 07 19 00-0797	LF	16"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	56.86 0.31 0.77	6.52
22 07 19 00-0798	LF	17"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	59.26 0.33 0.81	6.67
22 07 19 00-0799	LF	18"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	60.83 0.34 0.85	6.75
22 07 19 00-0800	LF	19"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	63.93 0.36 0.91	6.89
22 07 19 00-0801	LF	20"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	66.16 0.38 0.96	6.97
22 07 19 00-0802	LF	21"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	68.64 0.40 1.00	7.13
22 07 19 00-0803	LF	22"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	70.84 0.42 1.05	7.21
22 07 19 00-0804	LF	23"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	73.43 0.44 1.10	7.38
22 07 19 00-0805	LF	24"	ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	75.65 0.46 1.14	7.47
22 07 19 00-0806			40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0807	LF	1/2"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	14.94 0.02 0.05	3.24
22 07 19 00-0808	LF	3/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	15.82 0.03 0.06	3.32
22 07 19 00-0809	LF	1"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	16.72 0.03 0.08	3.39
22 07 19 00-0810	LF	1-1/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	17.63 0.04 0.09	3.48
22 07 19 00-0811	LF	1-1/2"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	18.42 0.04 0.11	3.53
22 07 19 00-0812	LF	1-3/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	19.22 0.05 0.12	3.58
22 07 19 00-0813	LF	2"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	20.10 0.05 0.14	3.65
22 07 19 00-0814	LF	2-1/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	20.98 0.06 0.15	3.74
22 07 19 00-0815	LF	2-1/2"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	21.96 0.07 0.17	3.82
22 07 19 00-0816	LF	2-3/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	22.80 0.07 0.18	3.88
22 07 19 00-0817	LF	3"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	23.79 0.08 0.20	3.97
22 07 19 00-0818	LF	3-1/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	24.74 0.09 0.21	4.06
22 07 19 00-0819	LF	3-1/2"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	25.69 0.09 0.23	4.15
22 07 19 00-0820	LF	3-3/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	26.56 0.10 0.24	4.22
22 07 19 00-0821	LF	4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	27.56 0.10 0.26	4.32
22 07 19 00-0822	LF	4-1/4"	ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	28.57 0.11 0.27	4.43

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0823	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	29.67	4.54
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.29	
22 07 19 00-0824	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	30.62	4.63
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0825	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	31.69	4.75
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.32	
22 07 19 00-0826	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	32.80	4.88
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.33	
22 07 19 00-0827	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	33.79	4.99
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.35	
22 07 19 00-0828	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	35.01	5.13
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.36	
22 07 19 00-0829	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	36.21	5.29
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.38	
22 07 19 00-0830	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	37.11	5.37
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.39	
22 07 19 00-0831	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	38.02	5.45
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.41	
22 07 19 00-0832	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	39.62	5.58
		For Stucco Embossed, Add	.....	0.17	
		For Corrugated, Add	.....	0.43	
22 07 19 00-0833	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	40.74	5.71
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.45	
22 07 19 00-0834	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	41.69	5.80
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.46	
22 07 19 00-0835	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	43.25	5.90
		For Stucco Embossed, Add	.....	0.20	
		For Corrugated, Add	.....	0.49	
22 07 19 00-0836	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	44.80	5.99
		For Stucco Embossed, Add	.....	0.21	
		For Corrugated, Add	.....	0.52	
22 07 19 00-0837	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	46.59	6.15
		For Stucco Embossed, Add	.....	0.22	
		For Corrugated, Add	.....	0.55	
22 07 19 00-0838	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	48.25	6.26
		For Stucco Embossed, Add	.....	0.23	
		For Corrugated, Add	.....	0.58	
22 07 19 00-0839	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	49.86	6.37
		For Stucco Embossed, Add	.....	0.24	
		For Corrugated, Add	.....	0.61	
22 07 19 00-0840	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	51.50	6.48
		For Stucco Embossed, Add	.....	0.26	
		For Corrugated, Add	.....	0.64	
22 07 19 00-0841	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	53.38	6.67
		For Stucco Embossed, Add	.....	0.27	
		For Corrugated, Add	.....	0.67	
22 07 19 00-0842	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	55.13	6.80
		For Stucco Embossed, Add	.....	0.28	
		For Corrugated, Add	.....	0.70	
22 07 19 00-0843	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	56.82	6.93
		For Stucco Embossed, Add	.....	0.29	
		For Corrugated, Add	.....	0.73	
22 07 19 00-0844	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	58.82	7.14
		For Stucco Embossed, Add	.....	0.30	
		For Corrugated, Add	.....	0.76	
22 07 19 00-0845	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	60.27	7.21
		For Stucco Embossed, Add	.....	0.31	
		For Corrugated, Add	.....	0.79	
22 07 19 00-0846	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	62.96	7.28
		For Stucco Embossed, Add	.....	0.34	
		For Corrugated, Add	.....	0.85	
22 07 19 00-0847	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	65.90	7.43
		For Stucco Embossed, Add	.....	0.36	
		For Corrugated, Add	.....	0.90	
22 07 19 00-0848	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	68.61	7.51
		For Stucco Embossed, Add	.....	0.39	
		For Corrugated, Add	.....	0.96	
22 07 19 00-0849	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	71.59	7.67
		For Stucco Embossed, Add	.....	0.41	
		For Corrugated, Add	.....	1.02	
22 07 19 00-0850	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	.....	73.52	7.75
		For Stucco Embossed, Add	.....	0.43	
		For Corrugated, Add	.....	1.06	



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

MINOR	CS	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0851	LF		19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	77.35 0.46 1.14	7.92
22 07 19 00-0852	LF		20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	80.11 0.48 1.20	8.01
22 07 19 00-0853	LF		21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	83.16 0.50 1.26	8.21
22 07 19 00-0854	LF		22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	85.88 0.53 1.32	8.30
22 07 19 00-0855	LF		23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	89.08 0.55 1.38	8.50
22 07 19 00-0856	LF		24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	91.80 0.57 1.44	8.60

22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0595)

22 07 19 00-0858	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.86	3.33
22 07 19 00-0859	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.35	3.45
22 07 19 00-0860	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.88	3.58
22 07 19 00-0861	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.10	3.64
22 07 19 00-0862	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.33	3.71
22 07 19 00-0863	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.69	3.80
22 07 19 00-0864	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.30	3.89
22 07 19 00-0865	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.69	3.99
22 07 19 00-0866	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.84	4.06
22 07 19 00-0867	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.60	4.13
22 07 19 00-0868	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.95	4.24
22 07 19 00-0869	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.82	4.32
22 07 19 00-0870	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.15	4.40
22 07 19 00-0871	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.48	4.48
22 07 19 00-0872	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.45	4.57
22 07 19 00-0873	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.38	4.66
22 07 19 00-0874	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.52	4.81
22 07 19 00-0875	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.92	4.91
22 07 19 00-0876	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.68	5.06
22 07 19 00-0877	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.13	5.19
22 07 19 00-0878	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.65	5.36
22 07 19 00-0879	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.46	5.49
22 07 19 00-0880	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.72	5.55
22 07 19 00-0881	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	83.51	5.62
22 07 19 00-0882	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	68.26	5.69
22 07 19 00-0883	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	107.42	5.83
22 07 19 00-0884	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	108.01	5.98
22 07 19 00-0885	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	86.08	6.06
22 07 19 00-0886	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	86.41	6.13
22 07 19 00-0887	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.07	6.22
22 07 19 00-0888	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.41	6.30
22 07 19 00-0889	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	97.75	6.47
22 07 19 00-0890	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	98.11	6.56
22 07 19 00-0891	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	154.91	6.76
22 07 19 00-0892	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	155.31	6.86
22 07 19 00-0893	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	199.75	7.07
22 07 19 00-0894	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	208.43	7.29
22 07 19 00-0895	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	225.18	7.40
22 07 19 00-0896	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	26.80	3.71
22 07 19 00-0897	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.16	3.80
22 07 19 00-0898	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.11	3.89
22 07 19 00-0899	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.50	3.99
22 07 19 00-0900	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	31.69	4.06
22 07 19 00-0901	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	31.97	4.13
22 07 19 00-0902	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.68	4.24
22 07 19 00-0903	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.21	4.32
22 07 19 00-0904	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.54	4.40
22 07 19 00-0905	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.87	4.48
22 07 19 00-0906	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.35	4.57
22 07 19 00-0907	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.73	4.66
22 07 19 00-0908	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.32	4.81
22 07 19 00-0909	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.37	5.06
22 07 19 00-0910	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	51.96	5.36
22 07 19 00-0911	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.46	5.49
22 07 19 00-0912	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.26	5.62
22 07 19 00-0913	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.53	5.69
22 07 19 00-0914	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.62	5.83
22 07 19 00-0915	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	62.21	5.98
22 07 19 00-0916	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.38	6.06
22 07 19 00-0917	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.71	6.13
22 07 19 00-0918	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	74.59	6.22

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0919 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	74.93	6.30
22 07 19 00-0920 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.64	6.47
22 07 19 00-0921 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.00	6.56
22 07 19 00-0922 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	97.54	6.86
22 07 19 00-0923 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	114.29	7.07
22 07 19 00-0924 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	161.69	7.29
22 07 19 00-0925 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	173.30	7.40
22 07 19 00-0926 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	170.38	7.52
22 07 19 00-0927 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	190.61	7.64
22 07 19 00-0928 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	226.57	7.77
22 07 19 00-0929 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	220.67	7.90
22 07 19 00-0930 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	236.26	8.04
22 07 19 00-0931 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing	103.58	5.30
22 07 19 00-0932 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing	104.08	5.43
22 07 19 00-0933 EA 3" ID, Aluminum Tee Insulation Jacketing	115.29	5.55
22 07 19 00-0934 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing	115.82	5.69
22 07 19 00-0935 EA 3-1/2" ID Aluminum Tee Insulation Jacketing	120.86	5.83
22 07 19 00-0936 EA 4" ID, Aluminum Tee Insulation Jacketing	122.51	5.98
22 07 19 00-0937 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing	128.83	6.13
22 07 19 00-0938 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing	128.64	6.30
22 07 19 00-0939 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing	129.34	6.47
22 07 19 00-0940 EA 5" ID, Aluminum Tee Insulation Jacketing	133.94	6.67
22 07 19 00-0941 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing	134.72	6.86
22 07 19 00-0942 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing	140.30	7.07
22 07 19 00-0943 EA 6" ID, Aluminum Tee Insulation Jacketing	141.19	7.29
22 07 19 00-0944 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing	154.16	7.77
22 07 19 00-0945 EA 7" ID, Aluminum Tee Insulation Jacketing	155.23	8.04
22 07 19 00-0946 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing	170.17	8.33
22 07 19 00-0947 EA 8" ID, Aluminum Tee Insulation Jacketing	171.40	8.64
22 07 19 00-0948 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing	176.34	8.97
22 07 19 00-0949 EA 9" ID, Aluminum Tee Insulation Jacketing	177.77	9.32
22 07 19 00-0950 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing	142.32	9.51
22 07 19 00-0951 EA 10" ID, Aluminum Tee Insulation Jacketing	143.11	9.72
22 07 19 00-0952 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing	150.74	9.92
22 07 19 00-0953 EA 11" ID, Aluminum Tee Insulation Jacketing	151.61	10.14
22 07 19 00-0954 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing	158.55	10.36
22 07 19 00-0955 EA 12" ID, Aluminum Tee Insulation Jacketing	159.50	10.60
22 07 19 00-0956 EA 13" ID, Aluminum Tee Insulation Jacketing	166.30	10.84
22 07 19 00-0957 EA 14" ID, Aluminum Tee Insulation Jacketing	173.37	11.11
22 07 19 00-0958 EA 15" ID, Aluminum Tee Insulation Jacketing	184.98	11.38
22 07 19 00-0959 EA 16" ID, Aluminum Tee Insulation Jacketing	189.61	11.66
22 07 19 00-0960 EA 17" ID, Aluminum Tee Insulation Jacketing	212.20	11.96
22 07 19 00-0961 EA 18" ID, Aluminum Tee Insulation Jacketing	219.86	12.27
22 07 19 00-0962 EA 19" ID, Aluminum Tee Insulation Jacketing	239.27	12.61
22 07 19 00-0963 EA 20" ID, Aluminum Tee Insulation Jacketing	244.79	12.96
22 07 19 00-0964 EA 22" ID, Aluminum Tee Insulation Jacketing	298.78	13.32
22 07 19 00-0965 EA 23" ID, Aluminum Tee Insulation Jacketing	307.18	13.71
22 07 19 00-0966 EA 24" ID, Aluminum Tee Insulation Jacketing	319.05	15.04
22 07 19 00-0967 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0594)		
22 07 19 00-0968 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0967)		
22 07 19 00-0969 SF 0.010" Stainless Steel Insulation Jacket With Bands	22.27	8.74
22 07 19 00-0970 SF 0.016" Stainless Steel Insulation Jacket With Bands	27.43	10.49
22 07 19 00-0971 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0967)		
22 07 19 00-0972 LF 2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	11.63	1.86
22 07 19 00-0973 LF 2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	12.15	1.90
22 07 19 00-0974 LF 3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	12.67	1.94
22 07 19 00-0975 LF 3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.22	1.98
22 07 19 00-0976 LF 3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.77	2.02
22 07 19 00-0977 LF 3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.31	2.07
22 07 19 00-0978 LF 4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.87	2.12
22 07 19 00-0979 LF 4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.44	2.16
22 07 19 00-0980 LF 4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.01	2.23
22 07 19 00-0981 LF 5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.20	2.34
22 07 19 00-0982 LF 5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	18.43	2.46
22 07 19 00-0983 LF 6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.71	2.59
22 07 19 00-0984 LF 6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.75	2.67
22 07 19 00-0985 LF 7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.81	2.74
22 07 19 00-0986 LF 7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	22.95	2.84
22 07 19 00-0987 LF 8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.90	2.90
22 07 19 00-0988 LF 8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.86	2.95
22 07 19 00-0989 LF 9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.83	3.01
22 07 19 00-0990 LF 9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.80	3.07
22 07 19 00-0991 LF 10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.79	3.13
22 07 19 00-0992 LF 10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.80	3.19



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0993	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.81	3.26
22 07 19 00-0994	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.84	3.40
22 07 19 00-0995	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	33.86	3.53
22 07 19 00-0996	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	35.54	3.58
22 07 19 00-0997 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0967)				
22 07 19 00-0998	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	15.97	2.48
22 07 19 00-0999	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	16.71	2.53
22 07 19 00-1000	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	17.45	2.59
22 07 19 00-1001	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.22	2.64
22 07 19 00-1002	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.98	2.70
22 07 19 00-1003	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.75	2.76
22 07 19 00-1004	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.55	2.82
22 07 19 00-1005	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.34	2.89
22 07 19 00-1006	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.14	2.95
22 07 19 00-1007	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.82	3.10
22 07 19 00-1008	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	25.55	3.26
22 07 19 00-1009	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	27.34	3.44
22 07 19 00-1010	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.80	3.54
22 07 19 00-1011	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.30	3.64
22 07 19 00-1012	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	31.90	3.79
22 07 19 00-1013	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.25	3.86
22 07 19 00-1014	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	34.63	3.93
22 07 19 00-1015	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	36.01	4.00
22 07 19 00-1016	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.39	4.08
22 07 19 00-1017	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.79	4.16
22 07 19 00-1018	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	40.23	4.25
22 07 19 00-1019	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	41.65	4.34
22 07 19 00-1020	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	44.54	4.53
22 07 19 00-1021	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	47.39	4.70
22 07 19 00-1022	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	49.80	4.77
22 07 19 00-1023 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0967)				
22 07 19 00-1024	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.20	3.71
22 07 19 00-1025	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.56	3.80
22 07 19 00-1026	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.79	3.89
22 07 19 00-1027	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.18	3.99
22 07 19 00-1028	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.44	4.06
22 07 19 00-1029	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.86	4.13
22 07 19 00-1030	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.44	4.24
22 07 19 00-1031	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	48.48	4.32
22 07 19 00-1032	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	48.81	4.40
22 07 19 00-1033	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	50.22	4.57
22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	66.83	4.81
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	72.54	5.06
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	93.38	5.36
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	93.88	5.49
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	106.46	5.62
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	107.31	5.83
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	110.16	5.83
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.00	5.98
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	154.01	6.06
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	154.34	6.13
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	180.16	6.22
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	173.45	6.30
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	194.57	6.56
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	260.60	6.86
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	263.00	7.07
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.14	3.71
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.50	3.80
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.06	3.89
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.45	3.99
22 07 19 00-1053	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.93	4.06
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.21	4.13
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	38.44	4.24
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.42	4.32
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.75	4.40
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.08	4.48
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.95	4.57
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.90	4.81
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	56.66	5.06
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	57.83	5.36
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	83.51	5.49
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.30	5.62
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.57	5.69
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	96.84	5.83
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	97.43	5.98

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



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	110.53	6.06
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	110.86	6.13
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	128.60	6.22
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	128.94	6.30
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	138.92	6.56
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	159.99	6.86
22 07 19 00-1074 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0594)				
22 07 19 00-1075 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)				
22 07 19 00-1076	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.12	1.73
22 07 19 00-1077	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.79	1.79
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.86
22 07 19 00-1079	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.09	1.94
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.74	2.02
22 07 19 00-1081	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.45	2.12
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.21	2.23
22 07 19 00-1083	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.95	2.34
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.80	2.46
22 07 19 00-1085	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.69	2.59
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.35	2.67
22 07 19 00-1087	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.96	2.74
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.77	2.84
22 07 19 00-1089	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.28	2.90
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.86	2.95
22 07 19 00-1091	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.43	3.01
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.02	3.07
22 07 19 00-1093	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.58	3.13
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.19	3.19
22 07 19 00-1095	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.81	3.26
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.43	3.33
22 07 19 00-1097	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.03	3.40
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.74	3.48
22 07 19 00-1099	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.26	3.53
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.61	3.53
22 07 19 00-1101	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.18	3.58
22 07 19 00-1102	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.10	3.64
22 07 19 00-1103	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.99	3.71
22 07 19 00-1104	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.93	3.77
22 07 19 00-1105	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.89	3.83
22 07 19 00-1106	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	28.80	3.89
22 07 19 00-1107	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.77	3.96
22 07 19 00-1108	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.69	4.02
22 07 19 00-1109	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.68	4.09
22 07 19 00-1110	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.63	4.17
22 07 19 00-1111	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.64	4.24
22 07 19 00-1112	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.66	4.32
22 07 19 00-1113	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.64	4.40
22 07 19 00-1114	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.68	4.48
22 07 19 00-1115	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.68	4.57
22 07 19 00-1116	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.77	4.66
22 07 19 00-1117	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.85	4.76
22 07 19 00-1118 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)				
22 07 19 00-1119	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.55	1.79
22 07 19 00-1120	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.33	1.86
22 07 19 00-1121	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.20	1.94
22 07 19 00-1122	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.00	2.02
22 07 19 00-1123	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.86	2.12
22 07 19 00-1124	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.77	2.23
22 07 19 00-1125	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.71	2.34
22 07 19 00-1126	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.72	2.46
22 07 19 00-1127	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.76	2.59
22 07 19 00-1128	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.56	2.67
22 07 19 00-1129	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.38	2.74
22 07 19 00-1130	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.34	2.84
22 07 19 00-1131	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.06	2.90
22 07 19 00-1132	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.78	2.95
22 07 19 00-1133	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.50	3.01
22 07 19 00-1134	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.25	3.07
22 07 19 00-1135	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.00	3.13
22 07 19 00-1136	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.77	3.19
22 07 19 00-1137	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.54	3.26
22 07 19 00-1138	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.31	3.33
22 07 19 00-1139	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.11	3.40
22 07 19 00-1140	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.97	3.48
22 07 19 00-1141	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.70	3.53
22 07 19 00-1142	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.20	3.53
22 07 19 00-1143	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.91	3.58



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1144	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.14	3.64
22 07 19 00-1145	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	31.38	3.71
22 07 19 00-1146	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	32.63	3.77
22 07 19 00-1147	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	33.94	3.83
22 07 19 00-1148	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	35.20	3.89
22 07 19 00-1149	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	36.47	3.96
22 07 19 00-1150	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	37.75	4.02
22 07 19 00-1151	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	39.04	4.09
22 07 19 00-1152	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	40.34	4.17
22 07 19 00-1153	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	41.65	4.24
22 07 19 00-1154	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	43.02	4.32
22 07 19 00-1155	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	44.36	4.40
22 07 19 00-1156	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	45.70	4.48
22 07 19 00-1157	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	47.06	4.57
22 07 19 00-1158	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	48.44	4.66
22 07 19 00-1159	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing.....	49.83	4.76
22 07 19 00-1160 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-				
1074)				
22 07 19 00-1161	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	16.58	3.45
22 07 19 00-1162	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	17.78	3.58
22 07 19 00-1163	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	18.40	3.64
22 07 19 00-1164	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	19.03	3.71
22 07 19 00-1165	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	19.75	3.80
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	20.39	3.89
22 07 19 00-1167	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	21.57	4.02
22 07 19 00-1168	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	22.65	4.13
22 07 19 00-1169	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	24.72	4.24
22 07 19 00-1170	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	27.13	4.44
22 07 19 00-1171	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	29.60	4.66
22 07 19 00-1172	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	34.04	4.91
22 07 19 00-1173	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	44.77	5.19
22 07 19 00-1174	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	46.75	5.36
22 07 19 00-1175	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	53.65	5.49
22 07 19 00-1176	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	55.73	5.62
22 07 19 00-1177	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	66.11	5.83
22 07 19 00-1178	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	81.37	6.06
22 07 19 00-1179	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	89.01	6.30
22 07 19 00-1180	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	99.39	6.56
22 07 19 00-1181	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	119.76	6.86
22 07 19 00-1182	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	133.79	7.07
22 07 19 00-1183	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	142.54	7.29
22 07 19 00-1184	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	153.38	7.40
22 07 19 00-1185	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	167.41	7.52
22 07 19 00-1186	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	207.72	7.64
22 07 19 00-1187	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	271.58	7.77
22 07 19 00-1188	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	340.69	7.90
22 07 19 00-1189	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.58	3.45
22 07 19 00-1190	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.78	3.58
22 07 19 00-1191	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.40	3.64
22 07 19 00-1192	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.03	3.71
22 07 19 00-1193	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.75	3.80
22 07 19 00-1194	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	20.39	3.89
22 07 19 00-1195	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.57	4.02
22 07 19 00-1196	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.65	4.13
22 07 19 00-1197	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.72	4.24
22 07 19 00-1198	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.13	4.44
22 07 19 00-1199	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	29.60	4.66
22 07 19 00-1200	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	34.04	4.91
22 07 19 00-1201	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	44.77	5.19
22 07 19 00-1202	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	46.75	5.36
22 07 19 00-1203	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	53.65	5.49
22 07 19 00-1204	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	55.73	5.62
22 07 19 00-1205	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	66.11	5.83
22 07 19 00-1206	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	81.37	6.06
22 07 19 00-1207	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	88.96	6.30
22 07 19 00-1208	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	96.57	6.56
22 07 19 00-1209	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	105.90	6.86
22 07 19 00-1210	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	117.91	7.07
22 07 19 00-1211	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	125.36	7.29
22 07 19 00-1212	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	139.47	7.40
22 07 19 00-1213	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	153.80	7.52
22 07 19 00-1214	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	181.77	7.64
22 07 19 00-1215	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	237.31	7.77
22 07 19 00-1216	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	265.20	7.90
22 07 19 00-1217	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	24.67	4.85
22 07 19 00-1218	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	25.79	4.96
22 07 19 00-1219	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	26.95	5.12
22 07 19 00-1220	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.25	5.30
22 07 19 00-1221	EA	2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	29.71	5.49
22 07 19 00-1222	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.16	5.69

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1223 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.29	5.90
22 07 19 00-1224 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.54	6.13
22 07 19 00-1225 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	38.55	6.38
22 07 19 00-1226 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	42.83	6.67
22 07 19 00-1227 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	47.29	6.96
22 07 19 00-1228 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.46	7.40
22 07 19 00-1229 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	65.06	7.77
22 07 19 00-1230 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	73.64	7.90
22 07 19 00-1231 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	100.65	8.19
22 07 19 00-1232 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	109.03	8.64
22 07 19 00-1233 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	126.48	8.97
22 07 19 00-1234 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	144.14	9.32
22 07 19 00-1235 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	146.96	9.72
22 07 19 00-1236 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	159.78	9.92
22 07 19 00-1237 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	172.65	10.14
22 07 19 00-1238 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	185.63	10.36
22 07 19 00-1239 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	198.53	10.60
22 07 19 00-1240 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	211.54	10.84
22 07 19 00-1241 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	224.47	11.11
22 07 19 00-1242 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	243.71	11.38
22 07 19 00-1243 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	262.89	11.66
22 07 19 00-1244 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	286.09	11.96
22 07 19 00-1245 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.24	3.33
22 07 19 00-1246 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.24	3.33
22 07 19 00-1247 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.58	3.45
22 07 19 00-1248 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.58	3.45
22 07 19 00-1249 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	58.14	3.58
22 07 19 00-1250 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	63.55	3.74
22 07 19 00-1251 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	70.03	3.89
22 07 19 00-1252 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	79.27	4.06
22 07 19 00-1253 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	87.21	4.24
22 07 19 00-1254 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	106.00	4.66
22 07 19 00-1255 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	149.74	5.19
22 07 19 00-1256 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	163.82	5.83
22 07 19 00-1257 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	204.63	6.22
22 07 19 00-1258 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	285.96	6.86
22 07 19 00-1259 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	287.68	7.18
22 07 19 00-1260 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	381.83	7.40
22 07 19 00-1261 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	514.99	7.64
22 07 19 00-1262 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.82	3.33
22 07 19 00-1263 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.82	3.33
22 07 19 00-1264 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.66	3.45
22 07 19 00-1265 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.66	3.45
22 07 19 00-1266 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	53.36	3.58
22 07 19 00-1267 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	58.21	3.74
22 07 19 00-1268 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	64.18	3.89
22 07 19 00-1269 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.52	4.06
22 07 19 00-1270 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	79.45	4.24
22 07 19 00-1271 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	96.37	4.66
22 07 19 00-1272 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	135.58	5.19
22 07 19 00-1273 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	148.30	5.83
22 07 19 00-1274 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	184.88	6.22
22 07 19 00-1275 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	257.69	6.86
22 07 19 00-1276 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	328.20	7.18
22 07 19 00-1277 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	392.46	7.40
22 07 19 00-1278 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	458.85	7.64
22 07 19 00-1279 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.63	5.01
22 07 19 00-1280 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.63	5.01
22 07 19 00-1281 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	56.81	5.19
22 07 19 00-1282 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	56.81	5.19
22 07 19 00-1283 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	78.35	5.36
22 07 19 00-1284 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	85.51	5.55
22 07 19 00-1285 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	94.13	5.83
22 07 19 00-1286 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	99.26	6.06
22 07 19 00-1287 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	117.17	6.38
22 07 19 00-1288 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	128.78	6.96
22 07 19 00-1289 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	180.41	7.77
22 07 19 00-1290 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	196.41	8.64
22 07 19 00-1291 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	271.04	9.32
22 07 19 00-1292 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	376.55	10.14
22 07 19 00-1293 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	449.21	10.84
22 07 19 00-1294 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	531.24	11.11
22 07 19 00-1295 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	581.81	11.38

22 07 19 00-1296 Insulation Foam Rubber (22 07 19)

22 07 19 00-1297 Covering 4x6 Sheet (22 07 19 00-1296)

22 07 19 00-1298 SF 1" Thick Foam Rubber Sheet Insulation 24.65 8.28



	Plumbing	22	
	Plumbing Piping	22 10	22
	Plumbing Piping Insulation	22 07 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 10 Plumbing Piping⁽²²⁾

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

22 11 Facility Water Distribution^(22 10)

22 11 16 Domestic Water Piping^(22 11)

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

22 11 16 00-0001	Galvanized Steel Pipe Assemblies ^(22 11 16)		
	Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.		
22 11 16 00-0002	LF 1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	19.93	4.44
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	5.28	
	For ASTM 120, Deduct	-0.78	
	For Work In Restricted Working Space, Add	4.42	
22 11 16 00-0003	LF 3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	21.98	4.77
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	5.99	
	For ASTM 120, Deduct	-0.96	
	For Work In Restricted Working Space, Add	4.68	
22 11 16 00-0004	LF 1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	25.13	5.22
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	7.14	
	For ASTM 120, Deduct	-1.27	
	For Work In Restricted Working Space, Add	5.00	
22 11 16 00-0005	LF 1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	29.71	5.44
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	8.95	
	For ASTM 120, Deduct	-1.80	
	For Work In Restricted Working Space, Add	5.31	
22 11 16 00-0006	LF 1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	32.09	6.45
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	9.83	
	For ASTM 120, Deduct	-2.04	
	For Work In Restricted Working Space, Add	5.54	
22 11 16 00-0007	LF 2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	38.84	7.77
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	12.23	
	For ASTM 120, Deduct	-2.68	
	For Work In Restricted Working Space, Add	6.30	
22 11 16 00-0008	LF 2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	55.56	9.21
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	18.85	
	For ASTM 120, Deduct	-4.64	
	For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0009	LF 3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	69.15	12.33
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	23.66	
	For ASTM 120, Deduct	-5.90	
	For Work In Restricted Working Space, Add	8.95	
22 11 16 00-0010	LF 4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	102.11	14.54
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	37.46	
	For ASTM 120, Deduct	-10.22	
	For Work In Restricted Working Space, Add	10.19	
22 11 16 00-0011	LF 5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	180.35	18.58
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	70.90	
	For ASTM 120, Deduct	-20.90	
	For Work In Restricted Working Space, Add	12.31	
22 11 16 00-0012	LF 6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	201.85	21.98
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	79.18	
	For ASTM 120, Deduct	-23.28	
	For Work In Restricted Working Space, Add	13.99	

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

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

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)					
Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.					
22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	9.81	4.44	
		For Schedule 80 Pipe, Add	2.15		
		For ASTM 120, Deduct	-0.46		
		For Work In Restricted Working Space, Add	2.02		
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	11.25	4.77	
		For Schedule 80 Pipe, Add	2.68		
		For ASTM 120, Deduct	-0.61		
		For Work In Restricted Working Space, Add	2.15		
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	13.81	5.22	
		For Schedule 80 Pipe, Add	3.68		
		For ASTM 120, Deduct	-0.91		
		For Work In Restricted Working Space, Add	2.33		
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	16.42	5.44	
		For Schedule 80 Pipe, Add	4.75		
		For ASTM 120, Deduct	-1.23		
		For Work In Restricted Working Space, Add	2.47		
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	19.45	6.45	
		For Schedule 80 Pipe, Add	5.67		
		For ASTM 120, Deduct	-1.47		
		For Work In Restricted Working Space, Add	2.90		
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	24.84	7.77	
		For Schedule 80 Pipe, Add	7.48		
		For ASTM 120, Deduct	-1.97		
		For Work In Restricted Working Space, Add	3.51		
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	34.75	9.21	
		For Schedule 80 Pipe, Add	11.40		
		For ASTM 120, Deduct	-3.13		
		For Work In Restricted Working Space, Add	4.17		
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	45.82	12.33	
		For Schedule 80 Pipe, Add	14.96		
		For ASTM 120, Deduct	-4.10		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	60.75	14.54	
		For Schedule 80 Pipe, Add	20.85		
		For ASTM 120, Deduct	-5.83		
		For Work In Restricted Working Space, Add	6.56		
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	79.97	18.58	
		For Schedule 80 Pipe, Add	27.81		
		For ASTM 120, Deduct	-7.82		
		For Work In Restricted Working Space, Add	8.35		
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	100.55	21.98	
		For Schedule 80 Pipe, Add	35.76		
		For ASTM 120, Deduct	-10.15		
		For Work In Restricted Working Space, Add	9.87		
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....	112.84	26.56	
		For Schedule 80 Pipe, Add	39.05		
		For ASTM 120, Deduct	-10.96		
		For Work In Restricted Working Space, Add	11.93		
22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)					
Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.					
22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	13.63	4.44	
		For Schedule 80 Pipe, Add	3.99		
		For ASTM 120, Deduct	-1.04		
		For Work In Restricted Working Space, Add	2.02		
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	15.44	4.77	
		For Schedule 80 Pipe, Add	4.69		
		For ASTM 120, Deduct	-1.24		
		For Work In Restricted Working Space, Add	2.15		
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	17.38	5.22	
		For Schedule 80 Pipe, Add	5.39		
		For ASTM 120, Deduct	-1.44		
		For Work In Restricted Working Space, Add	2.33		
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	20.32	5.44	
		For Schedule 80 Pipe, Add	6.63		
		For ASTM 120, Deduct	-1.81		
		For Work In Restricted Working Space, Add	2.47		
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	23.47	6.45	
		For Schedule 80 Pipe, Add	7.59		
		For ASTM 120, Deduct	-2.07		
		For Work In Restricted Working Space, Add	2.90		
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	27.41	7.77	
		For Schedule 80 Pipe, Add	8.71		
		For ASTM 120, Deduct	-2.36		
		For Work In Restricted Working Space, Add	3.51		
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	40.21	9.21	
		For Schedule 80 Pipe, Add	14.02		
		For ASTM 120, Deduct	-3.95		
		For Work In Restricted Working Space, Add	4.17		



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0035	LF		3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	50.69	12.33
			For Schedule 80 Pipe, Add	17.30	
			For ASTM 120, Deduct	-4.83	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0036	LF		4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	67.87	14.54
			For Schedule 80 Pipe, Add	24.27	
			For ASTM 120, Deduct	-6.90	
			For Work In Restricted Working Space, Add	6.56	
22 11 16 00-0037	LF		5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	87.88	18.58
			For Schedule 80 Pipe, Add	31.61	
			For ASTM 120, Deduct	-9.01	
			For Work In Restricted Working Space, Add	8.35	
22 11 16 00-0038	LF		6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	109.72	21.98
			For Schedule 80 Pipe, Add	40.16	
			For ASTM 120, Deduct	-11.52	
			For Work In Restricted Working Space, Add	9.87	
22 11 16 00-0039			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0040	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	33.47	19.77
			For 300 Lb. Rating, Add	14.87	
			For ASTM 120, Deduct	-0.58	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0041	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	37.87	22.11
			For 300 Lb. Rating, Add	18.04	
			For ASTM 120, Deduct	-0.71	
			For Work In Restricted Working Space, Add	9.95	
22 11 16 00-0042	EA		1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	45.77	24.65
			For 300 Lb. Rating, Add	31.97	
			For ASTM 120, Deduct	-1.31	
			For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0043	EA		1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	55.74	27.99
			For 300 Lb. Rating, Add	49.54	
			For ASTM 120, Deduct	-2.07	
			For Work In Restricted Working Space, Add	12.57	
22 11 16 00-0044	EA		1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	65.31	31.54
			For 300 Lb. Rating, Add	64.21	
			For ASTM 120, Deduct	-2.71	
			For Work In Restricted Working Space, Add	14.18	
22 11 16 00-0045	EA		2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	89.59	40.09
			For 300 Lb. Rating, Add	104.11	
			For ASTM 120, Deduct	-4.43	
			For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0046	EA		2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	166.20	59.31
			For 300 Lb. Rating, Add	268.32	
			For ASTM 120, Deduct	-11.60	
			For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0047	EA		3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	244.44	77.97
			For 300 Lb. Rating, Add	440.62	
			For ASTM 120, Deduct	-19.13	
			For Work In Restricted Working Space, Add	35.07	
22 11 16 00-0048	EA		4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	352.48	85.06
			For 300 Lb. Rating, Add	772.42	
			For ASTM 120, Deduct	-33.74	
			For Work In Restricted Working Space, Add	38.27	
22 11 16 00-0049	EA		5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,104.46	88.77
			For 300 Lb. Rating, Add	3,310.61	
			For ASTM 120, Deduct	-145.70	
			For Work In Restricted Working Space, Add	39.93	
22 11 16 00-0050	EA		6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,034.64	92.82
			For 300 Lb. Rating, Add	3,053.02	
			For ASTM 120, Deduct	-134.32	
			For Work In Restricted Working Space, Add	41.75	
22 11 16 00-0051	EA		8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,225.76	96.99
			For 300 Lb. Rating, Add	3,681.91	
			For ASTM 120, Deduct	-162.05	
			For Work In Restricted Working Space, Add	43.62	
22 11 16 00-0052			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0053	EA		3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	39.60	20.88
			For ASTM 120, Deduct	-1.23	
			For Work In Restricted Working Space, Add	9.42	
22 11 16 00-0054	EA		1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	45.63	23.43
			For ASTM 120, Deduct	-1.58	
			For Work In Restricted Working Space, Add	10.53	
22 11 16 00-0055	EA		1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	44.50	22.22
			For ASTM 120, Deduct	-1.68	
			For Work In Restricted Working Space, Add	10.00	
22 11 16 00-0056	EA		1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	57.14	26.32
			For ASTM 120, Deduct	-2.65	
			For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0057	EA		1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	58.76	24.99
			For ASTM 120, Deduct	-3.19	
			For Work In Restricted Working Space, Add	11.26	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	58.26	23.88
		For ASTM 120, Deduct	-3.38	
		For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	72.83	29.77
		For ASTM 120, Deduct	-4.24	
		For Work In Restricted Working Space, Add	13.37	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	70.39	28.10
		For ASTM 120, Deduct	-4.24	
		For Work In Restricted Working Space, Add	12.64	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	68.45	26.77
		For ASTM 120, Deduct	-4.24	
		For Work In Restricted Working Space, Add	12.06	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	86.66	35.76
		For ASTM 120, Deduct	-4.95	
		For Work In Restricted Working Space, Add	16.10	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	88.81	33.99
		For ASTM 120, Deduct	-5.68	
		For Work In Restricted Working Space, Add	15.29	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	87.78	32.32
		For ASTM 120, Deduct	-5.89	
		For Work In Restricted Working Space, Add	14.56	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	76.38	31.10
		For ASTM 120, Deduct	-4.47	
		For Work In Restricted Working Space, Add	13.98	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	186.32	49.65
		For ASTM 120, Deduct	-16.78	
		For Work In Restricted Working Space, Add	22.33	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	192.71	45.43
		For ASTM 120, Deduct	-18.70	
		For Work In Restricted Working Space, Add	20.42	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	306.23	68.64
		For ASTM 120, Deduct	-30.50	
		For Work In Restricted Working Space, Add	30.86	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	265.09	58.97
		For ASTM 120, Deduct	-26.49	
		For Work In Restricted Working Space, Add	26.54	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	581.47	80.90
		For ASTM 120, Deduct	-69.02	
		For Work In Restricted Working Space, Add	36.40	
22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)				
22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	34.43	19.77
		For 300 Lb. Rating, Add	18.13	
		For ASTM 120, Deduct	-0.72	
		For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	40.07	22.11
		For 300 Lb. Rating, Add	25.52	
		For ASTM 120, Deduct	-1.04	
		For Work In Restricted Working Space, Add	9.95	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	44.82	24.65
		For 300 Lb. Rating, Add	28.74	
		For ASTM 120, Deduct	-1.17	
		For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	56.49	27.99
		For 300 Lb. Rating, Add	52.09	
		For ASTM 120, Deduct	-2.19	
		For Work In Restricted Working Space, Add	12.57	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	64.39	31.54
		For 300 Lb. Rating, Add	61.08	
		For ASTM 120, Deduct	-2.57	
		For Work In Restricted Working Space, Add	14.18	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	85.38	40.09
		For 300 Lb. Rating, Add	89.79	
		For ASTM 120, Deduct	-3.80	
		For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	177.05	59.31
		For 300 Lb. Rating, Add	305.21	
		For ASTM 120, Deduct	-13.23	
		For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	245.19	77.97
		For 300 Lb. Rating, Add	443.17	
		For ASTM 120, Deduct	-19.24	
		For Work In Restricted Working Space, Add	35.07	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	342.61	85.06
		For 300 Lb. Rating, Add	738.86	
		For ASTM 120, Deduct	-32.26	
		For Work In Restricted Working Space, Add	38.27	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,002.11	88.77
		For 300 Lb. Rating, Add	2,962.62	
		For ASTM 120, Deduct	-130.35	
		For Work In Restricted Working Space, Add	39.93	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,186.97	92.82
		For 300 Lb. Rating, Add	3,570.94	
		For ASTM 120, Deduct	-157.17	
		For Work In Restricted Working Space, Add	41.75	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA		8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,407.73	96.99
			For 300 Lb. Rating, Add	4,300.61	
			For ASTM 120, Deduct	-189.35	
			For Work In Restricted Working Space, Add	43.62	
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)					
22 11 16 00-0085	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee.....	42.00	24.65
			For 300 Lb. Rating, Add	19.15	
			For ASTM 120, Deduct	-0.75	
			For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0086	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee.....	50.94	28.54
			For 300 Lb. Rating, Add	30.51	
			For ASTM 120, Deduct	-1.23	
			For Work In Restricted Working Space, Add	12.82	
22 11 16 00-0087	EA		1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	63.77	33.66
			For 300 Lb. Rating, Add	48.21	
			For ASTM 120, Deduct	-1.99	
			For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0088	EA		1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	81.12	40.09
			For 300 Lb. Rating, Add	75.31	
			For ASTM 120, Deduct	-3.16	
			For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0089	EA		1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	97.86	47.76
			For 300 Lb. Rating, Add	93.41	
			For ASTM 120, Deduct	-3.93	
			For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0090	EA		2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	131.46	59.31
			For 300 Lb. Rating, Add	150.21	
			For ASTM 120, Deduct	-6.39	
			For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0091	EA		2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	216.53	64.41
			For 300 Lb. Rating, Add	413.62	
			For ASTM 120, Deduct	-17.99	
			For Work In Restricted Working Space, Add	28.97	
22 11 16 00-0092	EA		3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	257.58	77.97
			For 300 Lb. Rating, Add	485.29	
			For ASTM 120, Deduct	-21.10	
			For Work In Restricted Working Space, Add	35.07	
22 11 16 00-0093	EA		4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	493.89	107.48
			For 300 Lb. Rating, Add	1,141.09	
			For ASTM 120, Deduct	-49.92	
			For Work In Restricted Working Space, Add	48.34	
22 11 16 00-0094	EA		5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,237.36	127.59
			For 300 Lb. Rating, Add	3,567.98	
			For ASTM 120, Deduct	-156.90	
			For Work In Restricted Working Space, Add	57.40	
22 11 16 00-0095	EA		6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,405.10	145.85
			For 300 Lb. Rating, Add	4,047.02	
			For ASTM 120, Deduct	-177.97	
			For Work In Restricted Working Space, Add	65.60	
22 11 16 00-0096	EA		8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,672.11	173.18
			For 300 Lb. Rating, Add	4,808.76	
			For ASTM 120, Deduct	-211.46	
			For Work In Restricted Working Space, Add	78.72	
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)					
22 11 16 00-0098	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	48.60	24.65
			For 300 Lb. Rating, Add	41.59	
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0099	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	54.14	28.54
			For 300 Lb. Rating, Add	41.39	
			For ASTM 120, Deduct	-1.71	
			For Work In Restricted Working Space, Add	12.82	
22 11 16 00-0100	EA		1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	66.53	33.66
			For 300 Lb. Rating, Add	57.60	
			For ASTM 120, Deduct	-2.41	
			For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0101	EA		1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	84.92	40.09
			For 300 Lb. Rating, Add	88.23	
			For ASTM 120, Deduct	-3.73	
			For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0102	EA		1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	102.39	47.76
			For 300 Lb. Rating, Add	108.82	
			For ASTM 120, Deduct	-4.61	
			For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0103	EA		2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	133.74	59.31
			For 300 Lb. Rating, Add	157.96	
			For ASTM 120, Deduct	-6.73	
			For Work In Restricted Working Space, Add	26.66	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0104	EA		2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	255.42	64.64
			For 300 Lb. Rating, Add	544.85	
			For ASTM 120, Deduct	-23.78	
			For Work In Restricted Working Space, Add	29.06	
22 11 16 00-0105	EA		3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee.....	324.38	79.19
			For 300 Lb. Rating, Add	706.23	
			For ASTM 120, Deduct	-30.84	
			For Work In Restricted Working Space, Add	35.63	
22 11 16 00-0106	EA		4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee.....	757.17	107.48
			For 300 Lb. Rating, Add	2,036.24	
			For ASTM 120, Deduct	-89.41	
			For Work In Restricted Working Space, Add	48.34	
22 11 16 00-0107	EA		5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee.....	1,573.16	127.59
			For 300 Lb. Rating, Add	4,709.70	
			For ASTM 120, Deduct	-207.27	
			For Work In Restricted Working Space, Add	57.40	
22 11 16 00-0108	EA		6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee.....	1,786.76	145.85
			For 300 Lb. Rating, Add	5,344.66	
			For ASTM 120, Deduct	-235.22	
			For Work In Restricted Working Space, Add	65.60	
22 11 16 00-0109	EA		8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee.....	2,142.19	167.48
			For 300 Lb. Rating, Add	6,443.57	
			For ASTM 120, Deduct	-283.61	
			For Work In Restricted Working Space, Add	75.44	
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)					
22 11 16 00-0111	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	38.86	19.77
			For 300 Lb. Rating, Add	33.19	
			For ASTM 120, Deduct	-1.39	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0112	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	43.80	22.11
			For 300 Lb. Rating, Add	38.20	
			For ASTM 120, Deduct	-1.60	
			For Work In Restricted Working Space, Add	9.95	
22 11 16 00-0113	EA		1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	54.47	24.65
			For 300 Lb. Rating, Add	61.55	
			For ASTM 120, Deduct	-2.62	
			For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0114	EA		1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	66.53	27.99
			For 300 Lb. Rating, Add	86.22	
			For ASTM 120, Deduct	-3.69	
			For Work In Restricted Working Space, Add	12.57	
22 11 16 00-0115	EA		1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	75.24	31.54
			For 300 Lb. Rating, Add	97.97	
			For ASTM 120, Deduct	-4.20	
			For Work In Restricted Working Space, Add	14.18	
22 11 16 00-0116	EA		2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	100.94	40.09
			For 300 Lb. Rating, Add	142.70	
			For ASTM 120, Deduct	-6.14	
			For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0117	EA		2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	214.08	59.31
			For 300 Lb. Rating, Add	431.11	
			For ASTM 120, Deduct	-18.78	
			For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0118	EA		3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	284.29	77.97
			For 300 Lb. Rating, Add	576.11	
			For ASTM 120, Deduct	-25.11	
			For Work In Restricted Working Space, Add	35.07	
22 11 16 00-0119	EA		4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	483.03	85.06
			For 300 Lb. Rating, Add	1,216.29	
			For ASTM 120, Deduct	-53.32	
			For Work In Restricted Working Space, Add	38.27	
22 11 16 00-0120	EA		5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	1,134.04	88.77
			For 300 Lb. Rating, Add	3,411.18	
			For ASTM 120, Deduct	-150.14	
			For Work In Restricted Working Space, Add	39.93	
22 11 16 00-0121	EA		6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	1,279.49	92.82
			For 300 Lb. Rating, Add	3,885.51	
			For ASTM 120, Deduct	-171.05	
			For Work In Restricted Working Space, Add	41.75	
22 11 16 00-0122	EA		8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling.....	1,519.76	96.99
			For 300 Lb. Rating, Add	4,681.51	
			For ASTM 120, Deduct	-206.15	
			For Work In Restricted Working Space, Add	43.62	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)					
22 11 16 00-0124	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling.....	40.83	19.77
			For 300 Lb. Rating, Add	39.89	
			For ASTM 120, Deduct	-1.68	
			For Work In Restricted Working Space, Add	8.89	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0125 EA 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	45.14 42.76 -1.80 9.95	22.11
22 11 16 00-0126 EA 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	57.00 70.15 -3.00 11.11	24.65
22 11 16 00-0127 EA 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	67.74 90.34 -3.87 12.57	27.99
22 11 16 00-0128 EA 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	80.58 116.12 -5.00 14.18	31.54
22 11 16 00-0129 EA 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	105.48 158.13 -6.82 18.01	40.09
22 11 16 00-0130 EA 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	215.67 436.52 -19.02 26.66	59.31
22 11 16 00-0131 EA 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	279.54 559.96 -24.39 35.07	77.97
22 11 16 00-0132 EA 4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	492.18 1,247.40 -54.69 38.27	85.06
22 11 16 00-0133 EA 5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,186.73 3,590.33 -158.04 39.93	88.77
22 11 16 00-0134 EA 6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,339.51 4,089.57 -180.05 41.75	92.82
22 11 16 00-0135 EA 8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,592.63 4,929.27 -217.08 43.62	96.99
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0137 EA 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	15.98 7.94 -0.31 4.17	9.21
22 11 16 00-0138 EA 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	17.69 10.71 -0.43 4.44	9.89
22 11 16 00-0139 EA 1" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	20.68 13.23 -0.54 5.13	11.44
22 11 16 00-0140 EA 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	22.64 17.12 -0.71 5.38	11.99
22 11 16 00-0141 EA 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	22.34 16.10 -0.66 5.38	11.99
22 11 16 00-0142 EA 2" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	33.35 33.60 -1.42 7.17	15.88
22 11 16 00-0143 EA 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	50.85 73.96 -3.18 8.89	19.77
22 11 16 00-0144 EA 3" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	66.06 104.93 -4.53 10.75	23.88
22 11 16 00-0145 EA 4" Diameter, 150 Lb., Galvanized Malleable Iron Cap For 300 Lb. Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	100.25 194.76 -8.48 13.12	29.19

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	242.28	36.52
		For 300 Lb. Rating, Add	641.15	
		For ASTM 120, Deduct	-28.14	
		For Work In Restricted Working Space, Add	16.40	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	301.57	43.40
		For 300 Lb. Rating, Add	807.80	
		For ASTM 120, Deduct	-35.47	
		For Work In Restricted Working Space, Add	19.54	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	379.13	48.50
		For 300 Lb. Rating, Add	1,046.19	
		For ASTM 120, Deduct	-45.96	
		For Work In Restricted Working Space, Add	21.81	
22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)				
22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	51.12	24.65
		For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	58.92	28.54
		For Work In Restricted Working Space, Add	12.82	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	71.70	33.66
		For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	90.71	40.09
		For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	108.82	47.76
		For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	131.58	59.31
		For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	279.59	87.40
		For Work In Restricted Working Space, Add	39.35	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	380.32	114.95
		For Work In Restricted Working Space, Add	51.77	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	65.69	24.65
		For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	68.77	28.54
		For Work In Restricted Working Space, Add	12.82	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	82.77	33.66
		For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	108.94	40.09
		For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	127.97	47.76
		For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	168.37	59.31
		For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	340.36	87.40
		For Work In Restricted Working Space, Add	39.35	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	493.53	114.95
		For Work In Restricted Working Space, Add	51.77	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	691.75	125.51
		For Work In Restricted Working Space, Add	56.49	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	69.69	24.65
		For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	78.15	28.54
		For Work In Restricted Working Space, Add	12.82	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	97.47	33.66
		For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	125.56	40.09
		For Work In Restricted Working Space, Add	18.01	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	150.57	47.76
		For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	183.56	59.31
		For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	395.35	87.40
		For Work In Restricted Working Space, Add	39.35	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	619.38	114.95
		For Work In Restricted Working Space, Add	51.77	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,308.88	125.51
		For Work In Restricted Working Space, Add	56.49	
22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)				
		Note: ASTM A-53.		
22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.08	10.55
		For Schedule 80 Nipples, Add	2.53	
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	17.66	10.55
		For Schedule 80 Nipples, Add	2.05	
		For ASTM 120, Deduct	-0.27	
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.04	10.55
		For Schedule 80 Nipples, Add	2.49	
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	4.76	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA		1" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	20.08	11.44
			For Schedule 80 Nipples, Add	3.41	
			For ASTM 120, Deduct	-0.45	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0181	EA		1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	22.53	12.33
			For Schedule 80 Nipples, Add	4.58	
			For ASTM 120, Deduct	-0.60	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0182	EA		1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	23.22	12.33
			For Schedule 80 Nipples, Add	5.37	
			For ASTM 120, Deduct	-0.71	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0183	EA		2" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	30.54	15.88
			For Schedule 80 Nipples, Add	7.58	
			For ASTM 120, Deduct	-1.00	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0184	EA		2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	49.40	19.77
			For Schedule 80 Nipples, Add	22.55	
			For ASTM 120, Deduct	-2.97	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0185	EA		3" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	59.53	23.88
			For Schedule 80 Nipples, Add	27.02	
			For ASTM 120, Deduct	-3.56	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0186	EA		4" Diameter x Close, Schedule 40 Galvanized Steel Nipple.....	79.27	29.19
			For Schedule 80 Nipples, Add	40.50	
			For ASTM 120, Deduct	-5.33	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0187	EA		3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.41	10.55
			For Schedule 80 Nipples, Add	2.91	
			For ASTM 120, Deduct	-0.38	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0188	EA		1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	17.75	10.55
			For Schedule 80 Nipples, Add	2.15	
			For ASTM 120, Deduct	-0.28	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0189	EA		3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.24	10.55
			For Schedule 80 Nipples, Add	2.71	
			For ASTM 120, Deduct	-0.36	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0190	EA		3/8" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	18.41	10.55
			For Schedule 80 Nipples, Add	2.91	
			For ASTM 120, Deduct	-0.38	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0191	EA		1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.75	10.55
			For Schedule 80 Nipples, Add	2.15	
			For ASTM 120, Deduct	-0.28	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0192	EA		3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	18.24	10.55
			For Schedule 80 Nipples, Add	2.71	
			For ASTM 120, Deduct	-0.36	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0193	EA		1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	20.63	11.44
			For Schedule 80 Nipples, Add	4.04	
			For ASTM 120, Deduct	-0.53	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0194	EA		1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	22.82	12.33
			For Schedule 80 Nipples, Add	4.91	
			For ASTM 120, Deduct	-0.65	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0195	EA		1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple.....	23.57	12.33
			For Schedule 80 Nipples, Add	5.77	
			For ASTM 120, Deduct	-0.76	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0196	EA		3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.26	10.55
			For Schedule 80 Nipples, Add	3.88	
			For ASTM 120, Deduct	-0.51	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0197	EA		1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.08	10.55
			For Schedule 80 Nipples, Add	2.53	
			For ASTM 120, Deduct	-0.33	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0198	EA		3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.49	10.55
			For Schedule 80 Nipples, Add	3.00	
			For ASTM 120, Deduct	-0.39	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0199	EA		1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.92	11.44
			For Schedule 80 Nipples, Add	4.37	
			For ASTM 120, Deduct	-0.57	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0200	EA		1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.24	12.33
			For Schedule 80 Nipples, Add	5.39	
			For ASTM 120, Deduct	-0.71	
			For Work In Restricted Working Space, Add	5.55	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	24.15		12.33
		For Schedule 80 Nipples, Add	6.43		
		For ASTM 120, Deduct	-0.85		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	31.37		15.88
		For Schedule 80 Nipples, Add	8.53		
		For ASTM 120, Deduct	-1.12		
		For Work In Restricted Working Space, Add	7.17		
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.26		10.55
		For Schedule 80 Nipples, Add	3.88		
		For ASTM 120, Deduct	-0.51		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	18.08		10.55
		For Schedule 80 Nipples, Add	2.53		
		For ASTM 120, Deduct	-0.33		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	18.49		10.55
		For Schedule 80 Nipples, Add	3.00		
		For ASTM 120, Deduct	-0.39		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	20.92		11.44
		For Schedule 80 Nipples, Add	4.37		
		For ASTM 120, Deduct	-0.57		
		For Work In Restricted Working Space, Add	5.13		
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	23.24		12.33
		For Schedule 80 Nipples, Add	5.39		
		For ASTM 120, Deduct	-0.71		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	24.15		12.33
		For Schedule 80 Nipples, Add	6.43		
		For ASTM 120, Deduct	-0.85		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	31.37		15.88
		For Schedule 80 Nipples, Add	8.53		
		For ASTM 120, Deduct	-1.12		
		For Work In Restricted Working Space, Add	7.17		
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	50.16		19.77
		For Schedule 80 Nipples, Add	23.42		
		For ASTM 120, Deduct	-3.08		
		For Work In Restricted Working Space, Add	8.89		
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple.....	62.80		23.88
		For Schedule 80 Nipples, Add	30.75		
		For ASTM 120, Deduct	-4.05		
		For Work In Restricted Working Space, Add	10.75		
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.90		10.55
		For Schedule 80 Nipples, Add	4.61		
		For ASTM 120, Deduct	-0.61		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.60		10.55
		For Schedule 80 Nipples, Add	3.12		
		For ASTM 120, Deduct	-0.41		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.26		10.55
		For Schedule 80 Nipples, Add	3.88		
		For ASTM 120, Deduct	-0.51		
		For Work In Restricted Working Space, Add	4.76		
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.69		11.44
		For Schedule 80 Nipples, Add	5.24		
		For ASTM 120, Deduct	-0.69		
		For Work In Restricted Working Space, Add	5.13		
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	24.15		12.33
		For Schedule 80 Nipples, Add	6.43		
		For ASTM 120, Deduct	-0.85		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	25.64		12.33
		For Schedule 80 Nipples, Add	8.13		
		For ASTM 120, Deduct	-1.07		
		For Work In Restricted Working Space, Add	5.55		
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	32.97		15.88
		For Schedule 80 Nipples, Add	10.35		
		For ASTM 120, Deduct	-1.36		
		For Work In Restricted Working Space, Add	7.17		
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	53.46		19.77
		For Schedule 80 Nipples, Add	27.18		
		For ASTM 120, Deduct	-3.58		
		For Work In Restricted Working Space, Add	8.89		
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	67.47		23.88
		For Schedule 80 Nipples, Add	36.07		
		For ASTM 120, Deduct	-4.75		
		For Work In Restricted Working Space, Add	10.75		
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	19.90		10.55
		For Schedule 80 Nipples, Add	4.61		
		For ASTM 120, Deduct	-0.61		
		For Work In Restricted Working Space, Add	4.76		



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA	1/2"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.60	10.55
			For Schedule 80 Nipples, Add	3.12	
			For ASTM 120, Deduct	-0.41	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0223	EA	3/4"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	19.90	10.55
			For Schedule 80 Nipples, Add	4.61	
			For ASTM 120, Deduct	-0.61	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0224	EA	1"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	21.69	11.44
			For Schedule 80 Nipples, Add	5.24	
			For ASTM 120, Deduct	-0.69	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0225	EA	1-1/4"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	24.15	12.33
			For Schedule 80 Nipples, Add	6.43	
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0226	EA	1-1/2"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	25.64	12.33
			For Schedule 80 Nipples, Add	8.13	
			For ASTM 120, Deduct	-1.07	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0227	EA	2"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	33.05	15.88
			For Schedule 80 Nipples, Add	10.44	
			For ASTM 120, Deduct	-1.37	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0228	EA	2-1/2"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	53.46	19.77
			For Schedule 80 Nipples, Add	27.18	
			For ASTM 120, Deduct	-3.58	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0229	EA	3"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	67.47	23.88
			For Schedule 80 Nipples, Add	36.07	
			For ASTM 120, Deduct	-4.75	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0230	EA	4"	Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple.....	86.22	29.19
			For Schedule 80 Nipples, Add	48.43	
			For ASTM 120, Deduct	-6.37	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0231	EA	3/8"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.42	10.55
			For Schedule 80 Nipples, Add	6.34	
			For ASTM 120, Deduct	-0.83	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0232	EA	1/2"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.16	10.55
			For Schedule 80 Nipples, Add	3.76	
			For ASTM 120, Deduct	-0.50	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0233	EA	3/4"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.92	10.55
			For Schedule 80 Nipples, Add	4.63	
			For ASTM 120, Deduct	-0.61	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0234	EA	1"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	22.73	11.44
			For Schedule 80 Nipples, Add	6.43	
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0235	EA	1-1/4"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	25.48	12.33
			For Schedule 80 Nipples, Add	7.95	
			For ASTM 120, Deduct	-1.05	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0236	EA	1-1/2"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	27.13	12.33
			For Schedule 80 Nipples, Add	9.83	
			For ASTM 120, Deduct	-1.29	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0237	EA	2"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	35.48	15.88
			For Schedule 80 Nipples, Add	13.21	
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0238	EA	2-1/2"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	56.20	19.77
			For Schedule 80 Nipples, Add	30.30	
			For ASTM 120, Deduct	-3.99	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0239	EA	3"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	72.71	23.88
			For Schedule 80 Nipples, Add	42.04	
			For ASTM 120, Deduct	-5.53	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0240	EA	4"	Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	91.38	29.19
			For Schedule 80 Nipples, Add	54.31	
			For ASTM 120, Deduct	-7.15	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0241	EA	3/8"	Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	21.42	10.55
			For Schedule 80 Nipples, Add	6.34	
			For ASTM 120, Deduct	-0.83	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0242	EA	1/2"	Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple.....	19.16	10.55
			For Schedule 80 Nipples, Add	3.76	
			For ASTM 120, Deduct	-0.50	
			For Work In Restricted Working Space, Add	4.76	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA		3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	19.92	10.55
			For Schedule 80 Nipples, Add	4.63	
			For ASTM 120, Deduct	-0.61	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0244	EA		1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	22.73	11.44
			For Schedule 80 Nipples, Add	6.43	
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0245	EA		1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	25.48	12.33
			For Schedule 80 Nipples, Add	7.95	
			For ASTM 120, Deduct	-1.05	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0246	EA		1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	27.13	12.33
			For Schedule 80 Nipples, Add	9.83	
			For ASTM 120, Deduct	-1.29	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0247	EA		2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	35.48	15.88
			For Schedule 80 Nipples, Add	13.21	
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0248	EA		2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	56.20	19.77
			For Schedule 80 Nipples, Add	30.30	
			For ASTM 120, Deduct	-3.99	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0249	EA		3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	72.71	23.88
			For Schedule 80 Nipples, Add	42.04	
			For ASTM 120, Deduct	-5.53	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0250	EA		4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	91.38	29.19
			For Schedule 80 Nipples, Add	54.31	
			For ASTM 120, Deduct	-7.15	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0251	EA		3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	22.04	10.55
			For Schedule 80 Nipples, Add	7.05	
			For ASTM 120, Deduct	-0.93	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0252	EA		1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	19.61	10.55
			For Schedule 80 Nipples, Add	4.28	
			For ASTM 120, Deduct	-0.56	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0253	EA		3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	20.73	10.55
			For Schedule 80 Nipples, Add	5.55	
			For ASTM 120, Deduct	-0.73	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0254	EA		1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	23.48	11.44
			For Schedule 80 Nipples, Add	7.28	
			For ASTM 120, Deduct	-0.96	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0255	EA		1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	26.60	12.33
			For Schedule 80 Nipples, Add	9.22	
			For ASTM 120, Deduct	-1.21	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0256	EA		1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	28.21	12.33
			For Schedule 80 Nipples, Add	11.06	
			For ASTM 120, Deduct	-1.46	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0257	EA		2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	37.36	15.88
			For Schedule 80 Nipples, Add	15.36	
			For ASTM 120, Deduct	-2.02	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0258	EA		2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	58.83	19.77
			For Schedule 80 Nipples, Add	33.30	
			For ASTM 120, Deduct	-4.38	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0259	EA		3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	74.83	23.88
			For Schedule 80 Nipples, Add	44.46	
			For ASTM 120, Deduct	-5.85	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0260	EA		4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	96.40	29.19
			For Schedule 80 Nipples, Add	60.03	
			For ASTM 120, Deduct	-7.90	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0261	EA		3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	40.57	10.55
			For Schedule 80 Nipples, Add	28.17	
			For ASTM 120, Deduct	-3.71	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0262	EA		1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	22.47	10.55
			For Schedule 80 Nipples, Add	7.54	
			For ASTM 120, Deduct	-0.99	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0263	EA		3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.30	10.55
			For Schedule 80 Nipples, Add	9.62	
			For ASTM 120, Deduct	-1.27	
			For Work In Restricted Working Space, Add	4.76	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA		1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	27.79	11.44
			For Schedule 80 Nipples, Add	12.20	
			For ASTM 120, Deduct	-1.61	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0265	EA		1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	31.63	12.33
			For Schedule 80 Nipples, Add	14.96	
			For ASTM 120, Deduct	-1.97	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0266	EA		1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	33.56	12.33
			For Schedule 80 Nipples, Add	17.16	
			For ASTM 120, Deduct	-2.26	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0267	EA		2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	45.84	15.88
			For Schedule 80 Nipples, Add	25.02	
			For ASTM 120, Deduct	-3.29	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0268	EA		2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	67.21	19.77
			For Schedule 80 Nipples, Add	42.85	
			For ASTM 120, Deduct	-5.64	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0269	EA		3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	88.38	23.88
			For Schedule 80 Nipples, Add	59.91	
			For ASTM 120, Deduct	-7.88	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0270	EA		4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple.....	106.58	29.19
			For Schedule 80 Nipples, Add	71.64	
			For ASTM 120, Deduct	-9.43	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0271	EA		3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	27.64	10.55
			For Schedule 80 Nipples, Add	13.43	
			For ASTM 120, Deduct	-1.77	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0272	EA		1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	23.70	10.55
			For Schedule 80 Nipples, Add	8.94	
			For ASTM 120, Deduct	-1.18	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0273	EA		3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	25.23	10.55
			For Schedule 80 Nipples, Add	10.68	
			For ASTM 120, Deduct	-1.41	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0274	EA		1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	29.32	11.44
			For Schedule 80 Nipples, Add	13.94	
			For ASTM 120, Deduct	-1.83	
			For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0275	EA		1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	34.20	12.33
			For Schedule 80 Nipples, Add	17.89	
			For ASTM 120, Deduct	-2.35	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0276	EA		1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	36.05	12.33
			For Schedule 80 Nipples, Add	20.00	
			For ASTM 120, Deduct	-2.63	
			For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0277	EA		2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	49.56	15.88
			For Schedule 80 Nipples, Add	29.26	
			For ASTM 120, Deduct	-3.85	
			For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0278	EA		2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	72.47	19.77
			For Schedule 80 Nipples, Add	48.85	
			For ASTM 120, Deduct	-6.43	
			For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0279	EA		3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	95.78	23.88
			For Schedule 80 Nipples, Add	68.34	
			For ASTM 120, Deduct	-8.99	
			For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0280	EA		4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple.....	116.57	29.19
			For Schedule 80 Nipples, Add	83.03	
			For ASTM 120, Deduct	-10.92	
			For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0281	EA		3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	28.92	10.55
			For Schedule 80 Nipples, Add	14.89	
			For ASTM 120, Deduct	-1.96	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0282	EA		1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	24.79	10.55
			For Schedule 80 Nipples, Add	10.18	
			For ASTM 120, Deduct	-1.34	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0283	EA		3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	26.37	10.55
			For Schedule 80 Nipples, Add	11.98	
			For ASTM 120, Deduct	-1.58	
			For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0284	EA		1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.33	11.44
			For Schedule 80 Nipples, Add	16.23	
			For ASTM 120, Deduct	-2.14	
			For Work In Restricted Working Space, Add	5.13	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	37.35	12.33
		For Schedule 80 Nipples, Add	21.48	
		For ASTM 120, Deduct	-2.83	
		For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	38.58	12.33
		For Schedule 80 Nipples, Add	22.88	
		For ASTM 120, Deduct	-3.01	
		For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	53.35	15.88
		For Schedule 80 Nipples, Add	33.58	
		For ASTM 120, Deduct	-4.42	
		For Work In Restricted Working Space, Add	7.17	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	77.57	19.77
		For Schedule 80 Nipples, Add	54.66	
		For ASTM 120, Deduct	-7.19	
		For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	103.23	23.88
		For Schedule 80 Nipples, Add	76.84	
		For ASTM 120, Deduct	-10.11	
		For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple.....	126.66	29.19
		For Schedule 80 Nipples, Add	94.53	
		For ASTM 120, Deduct	-12.44	
		For Work In Restricted Working Space, Add	13.12	
22 11 16 00-0291		Galvanized Steel Dielectric Nipples With Polyethylene Liner (22 11 16 00-0013)		
		See CSI section 22 11 16 00-0837 for dielectric unions.		
22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	18.79	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	19.23	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	19.64	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	21.11	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	22.63	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	23.54	10.55
		For Work In Restricted Working Space, Add	4.76	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	22.69	11.44
		For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	23.17	11.44
		For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	30.53	11.44
		For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	33.07	12.33
		For Work In Restricted Working Space, Add	5.57	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	37.12	12.33
		For Work In Restricted Working Space, Add	5.57	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	49.71	15.88
		For Work In Restricted Working Space, Add	7.16	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	59.04	19.77
		For Work In Restricted Working Space, Add	8.90	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	95.06	23.88
		For Work In Restricted Working Space, Add	10.76	
22 11 16 00-0306		Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	19.05	7.89
		For 300 Lb. Rating, Add	25.19	
		For Work In Restricted Working Space, Add	3.56	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	20.46	8.88
		For 300 Lb. Rating, Add	25.28	
		For Work In Restricted Working Space, Add	3.98	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	22.70	9.89
		For 300 Lb. Rating, Add	27.75	
		For Work In Restricted Working Space, Add	4.44	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	28.90	11.22
		For 300 Lb. Rating, Add	42.28	
		For Work In Restricted Working Space, Add	5.03	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	35.26	12.55
		For 300 Lb. Rating, Add	56.76	
		For Work In Restricted Working Space, Add	5.67	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	44.81	15.99
		For 300 Lb. Rating, Add	72.16	
		For Work In Restricted Working Space, Add	7.20	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	76.11	23.66
		For 300 Lb. Rating, Add	140.07	
		For Work In Restricted Working Space, Add	10.66	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug.....	104.33	31.21
		For 300 Lb. Rating, Add	198.51	
		For Work In Restricted Working Space, Add	14.03	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0315	EA		4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	170.51	34.00
			For 300 Lb. Rating, Add	409.33	
			For Work In Restricted Working Space, Add	15.31	
22 11 16 00-0316	EA		5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	272.48	35.53
			For 300 Lb. Rating, Add	748.58	
			For Work In Restricted Working Space, Add	15.98	
22 11 16 00-0317	EA		6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	292.67	37.06
			For 300 Lb. Rating, Add	809.17	
			For Work In Restricted Working Space, Add	16.70	
22 11 16 00-0318 Galvanized Malleable Iron Bushing (22 11 16 00-0013)					
22 11 16 00-0319	EA		3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	40.70	20.88
			For Work In Restricted Working Space, Add	9.42	
22 11 16 00-0320	EA		1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	44.46	22.22
			For Work In Restricted Working Space, Add	10.00	
22 11 16 00-0321	EA		1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	45.64	23.43
			For Work In Restricted Working Space, Add	10.53	
22 11 16 00-0322	EA		1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	51.35	23.88
			For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0323	EA		1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	51.70	24.99
			For Work In Restricted Working Space, Add	11.26	
22 11 16 00-0324	EA		1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	53.64	26.32
			For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0325	EA		1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	59.05	25.66
			For Work In Restricted Working Space, Add	11.53	
22 11 16 00-0326	EA		1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	60.81	26.77
			For Work In Restricted Working Space, Add	12.06	
22 11 16 00-0327	EA		1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	60.72	28.10
			For Work In Restricted Working Space, Add	12.64	
22 11 16 00-0328	EA		1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	61.73	29.77
			For Work In Restricted Working Space, Add	13.37	
22 11 16 00-0329	EA		2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	70.57	29.88
			For Work In Restricted Working Space, Add	13.45	
22 11 16 00-0330	EA		2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	70.54	31.10
			For Work In Restricted Working Space, Add	13.98	
22 11 16 00-0331	EA		2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	71.16	32.32
			For Work In Restricted Working Space, Add	14.56	
22 11 16 00-0332	EA		2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	73.61	33.99
			For Work In Restricted Working Space, Add	15.29	
22 11 16 00-0333	EA		2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	73.51	35.76
			For Work In Restricted Working Space, Add	16.10	
22 11 16 00-0334	EA		2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	98.25	40.65
			For Work In Restricted Working Space, Add	18.30	
22 11 16 00-0335	EA		2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	100.18	41.99
			For Work In Restricted Working Space, Add	18.88	
22 11 16 00-0336	EA		2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	102.62	43.54
			For Work In Restricted Working Space, Add	19.61	
22 11 16 00-0337	EA		2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	104.61	45.43
			For Work In Restricted Working Space, Add	20.42	
22 11 16 00-0338	EA		2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	106.83	49.65
			For Work In Restricted Working Space, Add	22.33	
22 11 16 00-0339	EA		3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	124.20	49.98
			For Work In Restricted Working Space, Add	22.51	
22 11 16 00-0340	EA		3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	126.13	51.31
			For Work In Restricted Working Space, Add	23.09	
22 11 16 00-0341	EA		3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	128.57	52.98
			For Work In Restricted Working Space, Add	23.82	
22 11 16 00-0342	EA		3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	130.29	54.75
			For Work In Restricted Working Space, Add	24.63	
22 11 16 00-0343	EA		3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	132.17	58.97
			For Work In Restricted Working Space, Add	26.54	
22 11 16 00-0344	EA		3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	149.12	68.64
			For Work In Restricted Working Space, Add	30.86	
22 11 16 00-0345	EA		4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	183.13	53.35
			For Work In Restricted Working Space, Add	24.03	
22 11 16 00-0346	EA		4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	185.03	54.67
			For Work In Restricted Working Space, Add	24.60	
22 11 16 00-0347	EA		4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	187.44	56.30
			For Work In Restricted Working Space, Add	25.32	
22 11 16 00-0348	EA		4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	190.07	58.06
			For Work In Restricted Working Space, Add	26.11	
22 11 16 00-0349	EA		4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	184.23	62.21
			For Work In Restricted Working Space, Add	28.00	
22 11 16 00-0350	EA		4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	210.54	71.72
			For Work In Restricted Working Space, Add	32.25	
22 11 16 00-0351	EA		4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing.....	217.54	80.90
			For Work In Restricted Working Space, Add	36.40	
22 11 16 00-0352 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)					
			Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0353	EA		1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	69.09	40.59
22 11 16 00-0354	EA		3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	75.52	44.42

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	86.83	50.20
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	90.28	51.98
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	98.25	56.53
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange.....	106.03	58.97
22 11 16 00-0359		Galvanized Cast Iron Flanges (22 11 16 00-0013) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	135.91	44.42
		For Work In Restricted Working Space, Add	19.99	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	128.93	50.20
		For Work In Restricted Working Space, Add	22.59	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	106.28	51.98
		For Work In Restricted Working Space, Add	23.38	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	126.65	56.53
		For Work In Restricted Working Space, Add	25.44	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	143.88	58.97
		For Work In Restricted Working Space, Add	26.54	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	167.16	68.30
		For Work In Restricted Working Space, Add	30.71	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	304.89	86.63
		For Work In Restricted Working Space, Add	38.96	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	413.26	116.66
		For Work In Restricted Working Space, Add	52.47	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	582.41	138.85
		For Work In Restricted Working Space, Add	62.46	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	639.15	159.52
		For Work In Restricted Working Space, Add	71.75	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange.....	586.06	182.31
		For Work In Restricted Working Space, Add	82.00	
22 11 16 00-0371		Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	36.19	
		For Work In Restricted Working Space, Add	10.86	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	39.80	
		For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	43.43	
		For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	47.04	
		For Work In Restricted Working Space, Add	14.11	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	49.45	
		For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	51.86	
		For Work In Restricted Working Space, Add	15.56	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	54.28	
		For Work In Restricted Working Space, Add	16.28	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	56.69	
		For Work In Restricted Working Space, Add	17.01	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	59.10	
		For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	63.92	
		For Work In Restricted Working Space, Add	19.18	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe.....	68.74	
		For Work In Restricted Working Space, Add	20.62	
22 11 16 00-0383		Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.		
22 11 16 00-0384		Copper Tube/Pipe (22 11 16 00-0383) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0385		Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0384)		
22 11 16 00-0386	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	5.88	2.72
		For Medical/Oxygen Service Tubing, Add	0.14	
		For Up To 20, Add	0.63	
		For >200, Deduct	-0.18	
		For Work In Restricted Working Space, Add	1.22	
22 11 16 00-0387	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	6.88	2.82
		For Medical/Oxygen Service Tubing, Add	0.21	
		For Up To 20, Add	0.75	
		For >200, Deduct	-0.26	
		For Work In Restricted Working Space, Add	1.27	
22 11 16 00-0388	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	7.57	2.94
		For Medical/Oxygen Service Tubing, Add	0.25	
		For Up To 20, Add	0.84	
		For >200, Deduct	-0.32	
		For Work In Restricted Working Space, Add	1.33	
22 11 16 00-0389	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	9.81	3.12
		For Medical/Oxygen Service Tubing, Add	0.41	
		For Up To 20, Add	1.11	
		For >200, Deduct	-0.51	
		For Work In Restricted Working Space, Add	1.41	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0390	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	12.67	3.51
		For Medical/Oxygen Service Tubing, Add	0.59	
		For Up To 20, Add	1.45	
		For >200, Deduct	-0.74	
		For Work In Restricted Working Space, Add	1.58	
22 11 16 00-0391	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	18.03	5.22
		For Medical/Oxygen Service Tubing, Add	0.82	
		For Up To 20, Add	2.06	
		For >200, Deduct	-1.02	
		For Work In Restricted Working Space, Add	2.35	
22 11 16 00-0392	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	21.87	5.83
		For Medical/Oxygen Service Tubing, Add	1.05	
		For Up To 20, Add	2.52	
		For >200, Deduct	-1.31	
		For Work In Restricted Working Space, Add	2.62	
22 11 16 00-0393	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	31.56	7.19
		For Medical/Oxygen Service Tubing, Add	1.66	
		For Up To 20, Add	3.68	
		For >200, Deduct	-2.08	
		For Work In Restricted Working Space, Add	3.23	
22 11 16 00-0394	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	55.42	8.45
		For Medical/Oxygen Service Tubing, Add	2.40	
		For Up To 20, Add	6.29	
		For >200, Deduct	-3.00	
		For Work In Restricted Working Space, Add	7.62	
22 11 16 00-0395	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	69.92	9.96
		For Medical/Oxygen Service Tubing, Add	3.20	
		For Up To 20, Add	7.99	
		For >200, Deduct	-4.01	
		For Work In Restricted Working Space, Add	8.96	
22 11 16 00-0396	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	105.09	11.24
		For Medical/Oxygen Service Tubing, Add	5.71	
		For Up To 20, Add	12.29	
		For >200, Deduct	-7.14	
		For Work In Restricted Working Space, Add	10.11	
22 11 16 00-0397	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	164.80	12.91
		For Medical/Oxygen Service Tubing, Add	10.09	
		For Up To 20, Add	19.63	
		For >200, Deduct	-12.61	
		For Work In Restricted Working Space, Add	11.61	
22 11 16 00-0398	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	225.86	20.00
		For Medical/Oxygen Service Tubing, Add	13.27	
		For Up To 20, Add	26.73	
		For >200, Deduct	-16.59	
		For Work In Restricted Working Space, Add	17.99	
22 11 16 00-0399	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe.....	379.31	22.24
		For Medical/Oxygen Service Tubing, Add	25.01	
		For Up To 20, Add	45.75	
		For >200, Deduct	-31.26	
		For Work In Restricted Working Space, Add	20.00	
22 11 16 00-0400		Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0394)		
22 11 16 00-0401	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	6.40	2.92
		For Medical/Oxygen Service Tubing, Add	0.16	
		For Up To 20, Add	0.69	
		For >200, Deduct	-0.20	
		For Work In Restricted Working Space, Add	1.31	
22 11 16 00-0402	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	8.65	3.04
		For Medical/Oxygen Service Tubing, Add	0.29	
		For Up To 20, Add	0.96	
		For >200, Deduct	-0.37	
		For Work In Restricted Working Space, Add	1.50	
22 11 16 00-0403	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.16	3.16
		For Medical/Oxygen Service Tubing, Add	0.34	
		For Up To 20, Add	1.02	
		For >200, Deduct	-0.43	
		For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0404	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	13.38	3.35
		For Medical/Oxygen Service Tubing, Add	0.62	
		For Up To 20, Add	1.53	
		For >200, Deduct	-0.77	
		For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0405	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	16.28	3.77
		For Medical/Oxygen Service Tubing, Add	0.82	
		For Up To 20, Add	1.88	
		For >200, Deduct	-1.03	
		For Work In Restricted Working Space, Add	1.80	
22 11 16 00-0406	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	21.30	5.61
		For Medical/Oxygen Service Tubing, Add	1.02	
		For Up To 20, Add	2.45	
		For >200, Deduct	-1.28	
		For Work In Restricted Working Space, Add	2.56	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0407	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	25.94	6.26	
		For Medical/Oxygen Service Tubing, Add	1.31		
		For Up To 20, Add	3.00		
		For >200, Deduct	-1.64		
		For Work In Restricted Working Space, Add	2.87		
22 11 16 00-0408	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	36.90	7.73	
		For Medical/Oxygen Service Tubing, Add	2.01		
		For Up To 20, Add	4.32		
		For >200, Deduct	-2.52		
		For Work In Restricted Working Space, Add	3.52		
22 11 16 00-0409	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	63.00	9.08	
		For Medical/Oxygen Service Tubing, Add	3.00		
		For Up To 20, Add	7.24		
		For >200, Deduct	-3.75		
		For Work In Restricted Working Space, Add	7.65		
22 11 16 00-0410	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	84.12	10.71	
		For Medical/Oxygen Service Tubing, Add	4.10		
		For Up To 20, Add	9.69		
		For >200, Deduct	-5.13		
		For Work In Restricted Working Space, Add	9.86		
22 11 16 00-0411	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	128.60	12.08	
		For Medical/Oxygen Service Tubing, Add	7.31		
		For Up To 20, Add	15.14		
		For >200, Deduct	-9.14		
		For Work In Restricted Working Space, Add	11.17		
22 11 16 00-0412	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	211.39	13.87	
		For Medical/Oxygen Service Tubing, Add	13.40		
		For Up To 20, Add	25.33		
		For >200, Deduct	-16.74		
		For Work In Restricted Working Space, Add	13.19		
22 11 16 00-0413	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	311.09	21.50	
		For Medical/Oxygen Service Tubing, Add	19.22		
		For Up To 20, Add	37.12		
		For >200, Deduct	-24.02		
		For Work In Restricted Working Space, Add	21.26		
22 11 16 00-0414	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe.....	527.93	23.90	
		For Medical/Oxygen Service Tubing, Add	35.99		
		For Up To 20, Add	64.04		
		For >200, Deduct	-44.99		
		For Work In Restricted Working Space, Add	23.42		
22 11 16 00-0415		Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)			
22 11 16 00-0416	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	5.73	2.55	
		For Up To 20, Add	0.62		
		For >200, Deduct	-0.21		
		For Work In Restricted Working Space, Add	1.10		
22 11 16 00-0417	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.11	2.66	
		For Up To 20, Add	0.67		
		For >200, Deduct	-0.23		
		For Work In Restricted Working Space, Add	1.14		
22 11 16 00-0418	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	7.79	2.81	
		For Up To 20, Add	0.87		
		For >200, Deduct	-0.38		
		For Work In Restricted Working Space, Add	1.21		
22 11 16 00-0419	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	10.28	3.16	
		For Up To 20, Add	1.17		
		For >200, Deduct	-0.58		
		For Work In Restricted Working Space, Add	1.35		
22 11 16 00-0420	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	15.36	4.70	
		For Up To 20, Add	1.75		
		For >200, Deduct	-0.84		
		For Work In Restricted Working Space, Add	2.08		
22 11 16 00-0421	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	19.58	5.24	
		For Up To 20, Add	2.25		
		For >200, Deduct	-1.16		
		For Work In Restricted Working Space, Add	2.39		
22 11 16 00-0422	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	28.16	6.46	
		For Up To 20, Add	3.27		
		For >200, Deduct	-1.83		
		For Work In Restricted Working Space, Add	2.96		
22 11 16 00-0423	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe.....	50.53	7.60	
		For Up To 20, Add	5.72		
		For >200, Deduct	-2.65		
		For Work In Restricted Working Space, Add	7.20		
22 11 16 00-0424	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	62.24	8.96	
		For Up To 20, Add	7.11		
		For >200, Deduct	-3.53		
		For Work In Restricted Working Space, Add	8.09		
22 11 16 00-0425	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	97.53	10.12	
		For Up To 20, Add	11.41		
		For >200, Deduct	-6.61		
		For Work In Restricted Working Space, Add	9.43		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0426 LF 5" Diameter, Hard Drawn Type M Copper Tube/Pipe..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	164.59 19.67 -12.83 10.89	11.62
22 11 16 00-0427 LF 6" Diameter, Hard Drawn Type M Copper Tube/Pipe..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	227.62 27.05 -17.14 16.87	18.01
22 11 16 00-0428 LF 8" Diameter, Hard Drawn Type M Copper Tube/Pipe..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	386.63 46.78 -32.48 18.55	20.01
22 11 16 00-0429 Soft Drawn Type L Copper Tube (22 11 16 00-0384)		
22 11 16 00-0430 LF 1/4" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	6.39 0.70 -0.23 1.22	2.72
22 11 16 00-0431 LF 3/8" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	7.86 0.88 -0.36 1.27	2.82
22 11 16 00-0432 LF 1/2" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	9.28 1.05 -0.49 1.33	2.94
22 11 16 00-0433 LF 5/8" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	10.79 1.24 -0.62 1.37	3.04
22 11 16 00-0434 LF 3/4" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	12.13 1.40 -0.74 1.41	3.12
22 11 16 00-0435 LF 1" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	15.57 1.81 -1.03 1.58	3.51
22 11 16 00-0436 LF 1-1/4" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	21.38 2.48 -1.36 2.35	5.22
22 11 16 00-0437 LF 1-1/2" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	27.11 3.17 -1.84 2.62	5.83
22 11 16 00-0438 LF 2" Diameter, Soft Drawn Type L Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	40.00 4.73 -2.92 3.23	7.19
22 11 16 00-0439 Soft Drawn Type K Copper Tube (22 11 16 00-0384)		
22 11 16 00-0440 LF 1/4" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	6.63 0.73 -0.26 1.22	2.72
22 11 16 00-0441 LF 3/8" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	8.62 0.97 -0.44 1.27	2.82
22 11 16 00-0442 LF 1/2" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	9.91 1.13 -0.55 1.33	2.94
22 11 16 00-0443 LF 5/8" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	11.09 1.27 -0.65 1.37	3.04
22 11 16 00-0444 LF 3/4" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	14.84 1.74 -1.02 1.41	3.12
22 11 16 00-0445 LF 1" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	18.73 2.21 -1.35 1.58	3.51
22 11 16 00-0446 LF 1-1/4" Diameter, Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	23.70 2.77 -1.59 2.35	5.22

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	30.80	5.83
		For Up To 20, Add	3.63	
		For >200, Deduct	-2.21	
		For Work In Restricted Working Space, Add	2.62	
22 11 16 00-0448	LF	2" Diameter, Soft Drawn Type K Copper Tube	45.07	7.19
		For Up To 20, Add	5.36	
		For >200, Deduct	-3.43	
		For Work In Restricted Working Space, Add	3.23	
22 11 16 00-0449	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	64.36	8.62
		For Up To 20, Add	7.72	
		For >200, Deduct	-5.14	
		For Work In Restricted Working Space, Add	3.88	
22 11 16 00-0450	LF	3" Diameter, Soft Drawn Type K Copper Tube	86.82	10.18
		For Up To 20, Add	10.47	
		For >200, Deduct	-7.16	
		For Work In Restricted Working Space, Add	4.58	
22 11 16 00-0451		Copper And Brass Fittings (22 11 16 00-0383)		
		Note: All fittings are based on 95/5 solder.		
22 11 16 00-0452		90 Degree Copper Elbows (22 11 16 00-0451)		
22 11 16 00-0453	EA	1/4" Diameter, 90 Degree Copper Elbow	26.98	16.09
		For Silver Solder Instead Of 95/5 Solder, Add	3.76	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.56	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.62	
		For Street Fitting, Add	1.14	
		For Work In Restricted Working Space, Add	7.24	
22 11 16 00-0454	EA	3/8" Diameter, 90 Degree Copper Elbow	31.97	19.30
		For Silver Solder Instead Of 95/5 Solder, Add	4.49	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.05	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
		For Street Fitting, Add	1.21	
		For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0455	EA	1/2" Diameter, 90 Degree Copper Elbow	40.78	26.53
		For Silver Solder Instead Of 95/5 Solder, Add	6.02	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
		For Street Fitting, Add	0.39	
		For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0456	EA	3/4" Diameter, 90 Degree Copper Elbow	51.65	33.05
		For Silver Solder Instead Of 95/5 Solder, Add	7.53	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.06	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
		For Street Fitting, Add	0.88	
		For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0457	EA	1" Diameter, 90 Degree Copper Elbow	64.49	39.44
		For Silver Solder Instead Of 95/5 Solder, Add	9.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
		For Street Fitting, Add	2.16	
		For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0458	EA	1-1/4" Diameter, 90 Degree Copper Elbow	71.99	42.70
		For Silver Solder Instead Of 95/5 Solder, Add	9.99	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.80	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.59	
		For Street Fitting, Add	3.22	
		For Work In Restricted Working Space, Add	19.18	
22 11 16 00-0459	EA	1-1/2" Diameter, 90 Degree Copper Elbow	82.56	46.68
		For Silver Solder Instead Of 95/5 Solder, Add	11.12	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.49	
		For Street Fitting, Add	5.04	
		For Work In Restricted Working Space, Add	20.99	
22 11 16 00-0460	EA	2" Diameter, 90 Degree Copper Elbow	101.37	52.34
		For Silver Solder Instead Of 95/5 Solder, Add	12.91	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.99	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.76	
		For Street Fitting, Add	9.19	
		For Work In Restricted Working Space, Add	23.52	
22 11 16 00-0461	EA	2-1/2" Diameter, 90 Degree Copper Elbow	132.10	53.31
		For Silver Solder Instead Of 95/5 Solder, Add	14.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.60	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.99	
		For Work In Restricted Working Space, Add	23.99	
22 11 16 00-0462	EA	3" Diameter, 90 Degree Copper Elbow	169.04	63.75
		For Silver Solder Instead Of 95/5 Solder, Add	18.00	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.23	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
		For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0463	EA	4" Diameter, 90 Degree Copper Elbow	313.91	90.41
		For Silver Solder Instead Of 95/5 Solder, Add	29.25	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	20.33	
		For Work In Restricted Working Space, Add	40.65	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0464 EA 5" Diameter, 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	932.89 65.19 -55.92 27.82 55.64	123.73
22 11 16 00-0465 EA 6" Diameter, 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,266.27 90.30 -76.81 40.48 80.97	180.04
22 11 16 00-0466 EA 8" Diameter, 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	4,045.93 238.28 -220.29 53.98 107.96	240.01
22 11 16 00-0467 90 Degree Brass Elbows (22 11 16 00-0451)		
22 11 16 00-0468 EA 1/2" Diameter, Drop Ear 90 Degree Brass Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	45.95 6.28 -4.29 5.97 11.94	26.53
22 11 16 00-0469 EA 3/4" Diameter, Drop Ear 90 Degree Brass Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	67.39 8.31 -5.84 7.42 14.84	33.05
22 11 16 00-0470 EA 1/2" Diameter, Flanged Sink 90 Degree Brass Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	51.02 6.53 -4.54 5.97 11.94	26.53
22 11 16 00-0471 EA 3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	38.15 4.80 -3.36 4.34 8.69	19.30
22 11 16 00-0472 EA 1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	46.39 6.30 -4.31 5.97 11.94	26.53
22 11 16 00-0473 EA 3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	61.05 8.00 -5.53 7.42 14.84	33.05
22 11 16 00-0474 EA 1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	96.12 10.72 -7.76 8.87 17.73	39.44
22 11 16 00-0475 Reducing 90 Degree Copper Elbows (22 11 16 00-0451)		
22 11 16 00-0476 EA 1/2" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	47.75 6.37 -4.38 5.97 11.94	26.53
22 11 16 00-0477 EA 3/4" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	55.09 7.70 -5.23 7.42 14.84	33.05
22 11 16 00-0478 EA 1" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	69.44 9.38 -6.43 8.87 17.73	39.44
22 11 16 00-0479 EA 1-1/4" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	90.28 10.91 -7.71 9.59 19.18	42.70
22 11 16 00-0480 EA 1-1/2" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	104.59 12.23 -8.73 10.49 20.99	46.68
22 11 16 00-0481 EA 2" Diameter, Reducing 90 Degree Copper Elbow..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	124.99 14.09 -10.17 11.76 23.52	52.34

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0482 45 Degree Copper Elbows (22 11 16 00-0451)				
22 11 16 00-0483	EA	1/4" Diameter, 45 Degree Copper Elbow.....	29.46	16.09
		For Silver Solder Instead Of 95/5 Solder, Add	3.89	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.68	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.62	
		For Street Fitting, Add	2.14	
		For Work In Restricted Working Space, Add	7.24	
22 11 16 00-0484	EA	3/8" Diameter, 45 Degree Copper Elbow.....	33.52	19.30
		For Silver Solder Instead Of 95/5 Solder, Add	4.57	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
		For Street Fitting, Add	1.83	
		For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0485	EA	1/2" Diameter, 45 Degree Copper Elbow.....	41.60	26.53
		For Silver Solder Instead Of 95/5 Solder, Add	6.06	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.07	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
		For Street Fitting, Add	0.72	
		For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0486	EA	3/4" Diameter, 45 Degree Copper Elbow.....	52.53	33.05
		For Silver Solder Instead Of 95/5 Solder, Add	7.57	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.10	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
		For Street Fitting, Add	1.23	
		For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0487	EA	1" Diameter, 45 Degree Copper Elbow.....	66.78	39.44
		For Silver Solder Instead Of 95/5 Solder, Add	9.25	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.29	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
		For Street Fitting, Add	3.07	
		For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0488	EA	1-1/4" Diameter, 45 Degree Copper Elbow.....	74.33	42.70
		For Silver Solder Instead Of 95/5 Solder, Add	10.11	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.91	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.59	
		For Street Fitting, Add	4.16	
		For Work In Restricted Working Space, Add	19.18	
22 11 16 00-0489	EA	1-1/2" Diameter, 45 Degree Copper Elbow.....	82.73	46.68
		For Silver Solder Instead Of 95/5 Solder, Add	11.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.49	
		For Street Fitting, Add	5.11	
		For Work In Restricted Working Space, Add	20.99	
22 11 16 00-0490	EA	2" Diameter, 45 Degree Copper Elbow.....	99.68	52.34
		For Silver Solder Instead Of 95/5 Solder, Add	12.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.90	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.76	
		For Work In Restricted Working Space, Add	23.52	
22 11 16 00-0491	EA	2-1/2" Diameter, 45 Degree Copper Elbow.....	131.47	53.31
		For Silver Solder Instead Of 95/5 Solder, Add	14.57	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.99	
		For Work In Restricted Working Space, Add	23.99	
22 11 16 00-0492	EA	3" Diameter, 45 Degree Copper Elbow.....	171.94	63.75
		For Silver Solder Instead Of 95/5 Solder, Add	18.15	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.37	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
		For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0493	EA	4" Diameter, 45 Degree Copper Elbow.....	298.48	90.41
		For Silver Solder Instead Of 95/5 Solder, Add	28.47	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.70	
		For Brazed Fittings Instead Of 95/5 Solder, Add	20.33	
		For Work In Restricted Working Space, Add	40.65	
22 11 16 00-0494	EA	5" Diameter, 45 Degree Copper Elbow.....	816.64	123.73
		For Silver Solder Instead Of 95/5 Solder, Add	59.38	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-50.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	27.82	
		For Work In Restricted Working Space, Add	55.64	
22 11 16 00-0495	EA	6" Diameter, 45 Degree Copper Elbow.....	1,264.57	180.04
		For Silver Solder Instead Of 95/5 Solder, Add	90.22	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-76.72	
		For Brazed Fittings Instead Of 95/5 Solder, Add	40.48	
		For Work In Restricted Working Space, Add	80.97	
22 11 16 00-0496	EA	8" Diameter, 45 Degree Copper Elbow.....	3,739.71	240.01
		For Silver Solder Instead Of 95/5 Solder, Add	222.97	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-204.98	
		For Brazed Fittings Instead Of 95/5 Solder, Add	53.98	
		For Work In Restricted Working Space, Add	107.96	

22 11 16 00-0497 Straight Copper And Brass Tees (22 11 16 00-0451)



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0498 EA 1/4" Diameter, Straight Copper Tee.....	42.18	24.12
For Silver Solder Instead Of 95/5 Solder, Add	5.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
For Work In Restricted Working Space, Add	10.86	
22 11 16 00-0499 EA 3/8" Diameter, Straight Copper Tee.....	48.25	28.95
For Silver Solder Instead Of 95/5 Solder, Add	6.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.51	
For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0500 EA 1/2" Diameter, Straight Copper Tee.....	62.00	40.28
For Silver Solder Instead Of 95/5 Solder, Add	9.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.09	
22 11 16 00-0501 EA 3/4" Diameter, Straight Copper Tee.....	78.81	49.94
For Silver Solder Instead Of 95/5 Solder, Add	11.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.22	
For Work In Restricted Working Space, Add	22.43	
22 11 16 00-0502 EA 1" Diameter, Straight Copper Tee.....	101.37	59.58
For Silver Solder Instead Of 95/5 Solder, Add	13.99	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.39	
For Work In Restricted Working Space, Add	26.78	
22 11 16 00-0503 EA 1-1/4" Diameter, Straight Copper Tee.....	113.37	64.40
For Silver Solder Instead Of 95/5 Solder, Add	15.32	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.47	
For Work In Restricted Working Space, Add	28.95	
22 11 16 00-0504 EA 1-1/2" Diameter, Straight Copper Tee.....	130.46	69.96
For Silver Solder Instead Of 95/5 Solder, Add	17.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.77	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.74	
For Work In Restricted Working Space, Add	31.48	
22 11 16 00-0505 EA 2" Diameter, Straight Copper Tee.....	158.80	78.88
For Silver Solder Instead Of 95/5 Solder, Add	19.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.73	
For Work In Restricted Working Space, Add	35.46	
22 11 16 00-0506 EA 2-1/2" Diameter, Straight Copper Tee.....	212.89	79.96
For Silver Solder Instead Of 95/5 Solder, Add	22.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.99	
For Work In Restricted Working Space, Add	35.99	
22 11 16 00-0507 EA 3" Diameter, Straight Copper Tee.....	286.37	96.30
For Silver Solder Instead Of 95/5 Solder, Add	28.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.66	
For Work In Restricted Working Space, Add	43.31	
22 11 16 00-0508 EA 4" Diameter, Straight Copper Tee.....	545.80	134.83
For Silver Solder Instead Of 95/5 Solder, Add	47.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	30.32	
For Work In Restricted Working Space, Add	60.64	
22 11 16 00-0509 EA 5" Diameter, Straight Copper Tee.....	1,399.96	184.48
For Silver Solder Instead Of 95/5 Solder, Add	97.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-83.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	41.48	
For Work In Restricted Working Space, Add	82.97	
22 11 16 00-0510 EA 6" Diameter, Straight Copper Tee.....	1,941.07	270.44
For Silver Solder Instead Of 95/5 Solder, Add	137.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-117.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	60.81	
For Work In Restricted Working Space, Add	121.62	
22 11 16 00-0511 EA 8" Diameter, Straight Copper Tee.....	6,463.59	360.07
For Silver Solder Instead Of 95/5 Solder, Add	377.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-350.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	80.97	
For Work In Restricted Working Space, Add	161.93	
22 11 16 00-0512 EA 1/2" Diameter, Cast Bronze Drop Ear Tee.....	70.68	40.28
For Silver Solder Instead Of 95/5 Solder, Add	9.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.09	
22 11 16 00-0513 Reducing Copper Tees (22 11 16 00-0451)		
22 11 16 00-0514 EA 3/8" Diameter, Reducing Copper Tee.....	48.12	25.69
For Silver Solder Instead Of 95/5 Solder, Add	6.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.79	
For Work In Restricted Working Space, Add	11.58	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0515	EA	1/2" Diameter, Reducing Copper Tee	62.66	36.19
		For Silver Solder Instead Of 95/5 Solder, Add	8.56	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.14	
		For Work In Restricted Working Space, Add	16.28	
22 11 16 00-0516	EA	3/4" Diameter, Reducing Copper Tee	74.23	46.68
		For Silver Solder Instead Of 95/5 Solder, Add	10.71	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.21	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.49	
		For Work In Restricted Working Space, Add	20.99	
22 11 16 00-0517	EA	1" Diameter, Reducing Copper Tee	98.01	56.33
		For Silver Solder Instead Of 95/5 Solder, Add	13.34	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.66	
		For Work In Restricted Working Space, Add	25.33	
22 11 16 00-0518	EA	1-1/4" Diameter, Reducing Copper Tee	112.27	61.15
		For Silver Solder Instead Of 95/5 Solder, Add	14.78	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.20	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.75	
		For Work In Restricted Working Space, Add	27.50	
22 11 16 00-0519	EA	1-1/2" Diameter, Reducing Copper Tee	129.24	66.82
		For Silver Solder Instead Of 95/5 Solder, Add	16.47	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.02	
		For Work In Restricted Working Space, Add	30.03	
22 11 16 00-0520	EA	2" Diameter, Reducing Copper Tee	154.28	74.78
		For Silver Solder Instead Of 95/5 Solder, Add	18.93	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.32	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.83	
		For Work In Restricted Working Space, Add	33.65	
22 11 16 00-0521	EA	2-1/2" Diameter, Reducing Copper Tee	217.32	77.08
		For Silver Solder Instead Of 95/5 Solder, Add	22.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	17.33	
		For Work In Restricted Working Space, Add	34.65	
22 11 16 00-0522	EA	3" Diameter, Reducing Copper Tee	300.48	88.85
		For Silver Solder Instead Of 95/5 Solder, Add	28.35	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.69	
		For Brazed Fittings Instead Of 95/5 Solder, Add	19.99	
		For Work In Restricted Working Space, Add	39.98	
22 11 16 00-0523	EA	4" Diameter, Reducing Copper Tee	516.35	109.62
		For Silver Solder Instead Of 95/5 Solder, Add	42.26	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.66	
		For Work In Restricted Working Space, Add	49.31	
22 11 16 00-0524		Copper Couplings (22 11 16 00-0451)		
22 11 16 00-0525	EA	1/4" Diameter, Copper Coupling	20.59	13.39
		For Silver Solder Instead Of 95/5 Solder, Add	3.03	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.00	
		For Work In Restricted Working Space, Add	6.01	
22 11 16 00-0526	EA	3/8" Diameter, Copper Coupling	24.79	16.05
		For Silver Solder Instead Of 95/5 Solder, Add	3.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.60	
		For Work In Restricted Working Space, Add	7.21	
22 11 16 00-0527	EA	1/2" Diameter, Copper Coupling	33.67	21.95
		For Silver Solder Instead Of 95/5 Solder, Add	4.99	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.34	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.96	
		For Work In Restricted Working Space, Add	9.91	
22 11 16 00-0528	EA	3/4" Diameter, Copper Coupling	42.33	27.38
		For Silver Solder Instead Of 95/5 Solder, Add	6.22	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.17	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.16	
		For Work In Restricted Working Space, Add	12.32	
22 11 16 00-0529	EA	1" Diameter, Copper Coupling	51.58	32.68
		For Silver Solder Instead Of 95/5 Solder, Add	7.48	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.36	
		For Work In Restricted Working Space, Add	14.72	
22 11 16 00-0530	EA	1-1/4" Diameter, Copper Coupling	57.52	35.34
		For Silver Solder Instead Of 95/5 Solder, Add	8.18	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.53	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.96	
		For Work In Restricted Working Space, Add	15.92	
22 11 16 00-0531	EA	1-1/2" Diameter, Copper Coupling	63.97	38.71
		For Silver Solder Instead Of 95/5 Solder, Add	9.00	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.10	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.71	
		For Work In Restricted Working Space, Add	17.42	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0532	EA		2" Diameter, Copper Coupling	74.90	43.30
			For Silver Solder Instead Of 95/5 Solder, Add	10.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
			For Work In Restricted Working Space, Add	19.52	
22 11 16 00-0533	EA		2-1/2" Diameter, Copper Coupling	89.13	43.76
			For Silver Solder Instead Of 95/5 Solder, Add	11.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.74	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.86	
			For Work In Restricted Working Space, Add	19.73	
22 11 16 00-0534	EA		3" Diameter, Copper Coupling	113.17	54.20
			For Silver Solder Instead Of 95/5 Solder, Add	13.79	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.20	
			For Work In Restricted Working Space, Add	24.41	
22 11 16 00-0535	EA		4" Diameter, Copper Coupling	185.38	76.75
			For Silver Solder Instead Of 95/5 Solder, Add	20.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.29	
			For Work In Restricted Working Space, Add	34.58	
22 11 16 00-0536	EA		5" Diameter, Copper Coupling	313.02	111.17
			For Silver Solder Instead Of 95/5 Solder, Add	32.34	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.04	
			For Work In Restricted Working Space, Add	50.08	
22 11 16 00-0537	EA		6" Diameter, Copper Coupling	484.32	161.82
			For Silver Solder Instead Of 95/5 Solder, Add	48.51	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.36	
			For Brazed Fittings Instead Of 95/5 Solder, Add	36.44	
			For Work In Restricted Working Space, Add	72.87	
22 11 16 00-0538	EA		8" Diameter, Copper Coupling	1,106.45	215.69
			For Silver Solder Instead Of 95/5 Solder, Add	87.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-71.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	48.58	
			For Work In Restricted Working Space, Add	97.16	
22 11 16 00-0539 Reducing Copper Couplings (22 11 16 00-0451)					
22 11 16 00-0540	EA		3/8" Diameter, Reducing Copper Coupling	23.27	14.72
			For Silver Solder Instead Of 95/5 Solder, Add	3.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.30	
			For Work In Restricted Working Space, Add	6.61	
22 11 16 00-0541	EA		1/2" Diameter, Reducing Copper Coupling	29.85	19.06
			For Silver Solder Instead Of 95/5 Solder, Add	4.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.28	
			For Work In Restricted Working Space, Add	8.56	
22 11 16 00-0542	EA		3/4" Diameter, Reducing Copper Coupling	39.30	24.72
			For Silver Solder Instead Of 95/5 Solder, Add	5.67	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.56	
			For Work In Restricted Working Space, Add	11.11	
22 11 16 00-0543	EA		1" Diameter, Reducing Copper Coupling	49.13	30.04
			For Silver Solder Instead Of 95/5 Solder, Add	6.96	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.71	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.76	
			For Work In Restricted Working Space, Add	13.52	
22 11 16 00-0544	EA		1-1/4" Diameter, Reducing Copper Coupling	56.75	34.01
			For Silver Solder Instead Of 95/5 Solder, Add	7.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.66	
			For Work In Restricted Working Space, Add	15.32	
22 11 16 00-0545	EA		1-1/2" Diameter, Reducing Copper Coupling	64.98	37.03
			For Silver Solder Instead Of 95/5 Solder, Add	8.81	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.33	
			For Work In Restricted Working Space, Add	16.67	
22 11 16 00-0546	EA		2" Diameter, Reducing Copper Coupling	76.13	41.01
			For Silver Solder Instead Of 95/5 Solder, Add	9.96	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.24	
			For Work In Restricted Working Space, Add	18.47	
22 11 16 00-0547	EA		2-1/2" Diameter, Reducing Copper Coupling	97.53	41.87
			For Silver Solder Instead Of 95/5 Solder, Add	11.16	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.43	
			For Work In Restricted Working Space, Add	18.85	
22 11 16 00-0548	EA		3" Diameter, Reducing Copper Coupling	116.44	48.98
			For Silver Solder Instead Of 95/5 Solder, Add	13.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.03	
			For Work In Restricted Working Space, Add	22.07	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0549	EA		4" Diameter, Reducing Copper Coupling	183.45	65.53
			For Silver Solder Instead Of 95/5 Solder, Add	19.00	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.75	
			For Work In Restricted Working Space, Add	29.50	
22 11 16 00-0550	EA		5" Diameter, Reducing Copper Coupling	470.55	91.73
			For Silver Solder Instead Of 95/5 Solder, Add	37.29	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.65	
			For Work In Restricted Working Space, Add	41.30	
22 11 16 00-0551	EA		6" Diameter, Reducing Copper Coupling	691.12	116.95
			For Silver Solder Instead Of 95/5 Solder, Add	52.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	26.35	
			For Work In Restricted Working Space, Add	52.69	
22 11 16 00-0552	EA		8" Diameter, Reducing Copper Coupling	1,375.99	188.59
			For Silver Solder Instead Of 95/5 Solder, Add	97.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-82.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	42.48	
			For Work In Restricted Working Space, Add	84.96	
22 11 16 00-0553 Male Copper Adapters (22 11 16 00-0451)					
22 11 16 00-0554	EA		1/4" Diameter, Male Copper Adapter	34.22	15.68
			For Silver Solder Instead Of 95/5 Solder, Add	4.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.62	
			For Work In Restricted Working Space, Add	7.24	
22 11 16 00-0555	EA		3/8" Diameter, Male Copper Adapter	33.99	19.30
			For Silver Solder Instead Of 95/5 Solder, Add	4.59	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
			For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0556	EA		1/2" Diameter, Male Copper Adapter	38.23	24.12
			For Silver Solder Instead Of 95/5 Solder, Add	5.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
			For Work In Restricted Working Space, Add	10.86	
22 11 16 00-0557	EA		3/4" Diameter, Male Copper Adapter	48.08	30.16
			For Silver Solder Instead Of 95/5 Solder, Add	6.87	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.69	
			For Work In Restricted Working Space, Add	13.39	
22 11 16 00-0558	EA		1" Diameter, Male Copper Adapter	60.65	34.98
			For Silver Solder Instead Of 95/5 Solder, Add	8.22	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.63	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.78	
			For Work In Restricted Working Space, Add	15.56	
22 11 16 00-0559	EA		1-1/4" Diameter, Male Copper Adapter	73.10	39.80
			For Silver Solder Instead Of 95/5 Solder, Add	9.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
			For Work In Restricted Working Space, Add	18.09	
22 11 16 00-0560	EA		1-1/2" Diameter, Male Copper Adapter	83.72	45.83
			For Silver Solder Instead Of 95/5 Solder, Add	11.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.31	
			For Work In Restricted Working Space, Add	20.63	
22 11 16 00-0561	EA		2" Diameter, Male Copper Adapter	113.39	58.49
			For Silver Solder Instead Of 95/5 Solder, Add	14.47	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.21	
			For Work In Restricted Working Space, Add	26.42	
22 11 16 00-0562	EA		2-1/2" Diameter, Male Copper Adapter	206.66	75.99
			For Silver Solder Instead Of 95/5 Solder, Add	21.67	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.01	
			For Work In Restricted Working Space, Add	34.01	
22 11 16 00-0563	EA		3" Diameter, Male Copper Adapter	274.55	101.34
			For Silver Solder Instead Of 95/5 Solder, Add	28.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	22.66	
			For Work In Restricted Working Space, Add	45.32	
22 11 16 00-0564	EA		4" Diameter, Male Copper Adapter	410.75	142.16
			For Silver Solder Instead Of 95/5 Solder, Add	41.86	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	31.99	
			For Work In Restricted Working Space, Add	63.98	
22 11 16 00-0565 Female Copper Adapters (22 11 16 00-0451)					
22 11 16 00-0566	EA		1/4" Diameter, Female Copper Adapter	30.57	15.68
			For Silver Solder Instead Of 95/5 Solder, Add	3.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.62	
			For Work In Restricted Working Space, Add	7.24	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0567	EA		3/8" Diameter, Female Copper Adapter.....	35.70	19.30
			For Silver Solder Instead Of 95/5 Solder, Add	4.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
			For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0568	EA		1/2" Diameter, Female Copper Adapter.....	39.46	24.12
			For Silver Solder Instead Of 95/5 Solder, Add	5.59	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
			For Work In Restricted Working Space, Add	10.86	
22 11 16 00-0569	EA		3/4" Diameter, Female Copper Adapter.....	49.08	30.16
			For Silver Solder Instead Of 95/5 Solder, Add	6.92	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.69	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.69	
			For Work In Restricted Working Space, Add	13.39	
22 11 16 00-0570	EA		1" Diameter, Female Copper Adapter.....	62.07	34.98
			For Silver Solder Instead Of 95/5 Solder, Add	8.29	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.78	
			For Work In Restricted Working Space, Add	15.56	
22 11 16 00-0571	EA		1-1/4" Diameter, Female Copper Adapter.....	75.28	39.80
			For Silver Solder Instead Of 95/5 Solder, Add	9.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
			For Work In Restricted Working Space, Add	18.09	
22 11 16 00-0572	EA		1-1/2" Diameter, Female Copper Adapter.....	92.19	45.83
			For Silver Solder Instead Of 95/5 Solder, Add	11.48	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.05	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.31	
			For Work In Restricted Working Space, Add	20.63	
22 11 16 00-0573	EA		2" Diameter, Female Copper Adapter.....	119.85	58.49
			For Silver Solder Instead Of 95/5 Solder, Add	14.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.21	
			For Work In Restricted Working Space, Add	26.42	
22 11 16 00-0574	EA		2-1/2" Diameter, Female Copper Adapter.....	236.03	69.97
			For Silver Solder Instead Of 95/5 Solder, Add	22.24	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.66	
			For Work In Restricted Working Space, Add	31.32	
22 11 16 00-0575	EA		3" Diameter, Female Copper Adapter.....	372.78	101.34
			For Silver Solder Instead Of 95/5 Solder, Add	33.74	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	22.66	
			For Work In Restricted Working Space, Add	45.32	
22 11 16 00-0576			Wrot Copper, Solder Union (22 11 16 00-0451)		
22 11 16 00-0577	EA		1/4" Diameter, Wrot Copper, Solder Union.....	46.00	19.30
			For Silver Solder Instead Of 95/5 Solder, Add	5.20	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
			For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0578	EA		3/8" Diameter, Wrot Copper, Solder Union.....	52.55	23.28
			For Silver Solder Instead Of 95/5 Solder, Add	6.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.49	
22 11 16 00-0579	EA		1/2" Diameter, Wrot Copper, Solder Union.....	54.29	28.95
			For Silver Solder Instead Of 95/5 Solder, Add	7.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.51	
			For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0580	EA		3/4" Diameter, Wrot Copper, Solder Union.....	62.80	33.05
			For Silver Solder Instead Of 95/5 Solder, Add	8.09	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.61	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
			For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0581	EA		1" Diameter, Wrot Copper, Solder Union.....	82.05	39.44
			For Silver Solder Instead Of 95/5 Solder, Add	10.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
			For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0582	EA		1-1/4" Diameter, Wrot Copper, Solder Union.....	98.36	43.43
			For Silver Solder Instead Of 95/5 Solder, Add	11.43	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.77	
			For Work In Restricted Working Space, Add	19.54	
22 11 16 00-0583	EA		1-1/2" Diameter, Wrot Copper, Solder Union.....	119.21	48.25
			For Silver Solder Instead Of 95/5 Solder, Add	13.20	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
			For Work In Restricted Working Space, Add	21.71	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0584	EA	2" Diameter, Wrot Copper, Solder Union	166.70	57.89
		For Silver Solder Instead Of 95/5 Solder, Add	17.02	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.68	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.03	
		For Work In Restricted Working Space, Add	26.05	
22 11 16 00-0585	EA	2-1/2" Diameter, Wrot Copper, Solder Union	313.28	63.75
		For Silver Solder Instead Of 95/5 Solder, Add	25.22	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
		For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0586	EA	3" Diameter, Wrot Copper, Solder Union	699.03	90.41
		For Silver Solder Instead Of 95/5 Solder, Add	48.50	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	20.33	
		For Work In Restricted Working Space, Add	40.65	
22 11 16 00-0587 Cast Bronze, Solder Union (22 11 16 00-0451)				
22 11 16 00-0588	EA	1/4" Diameter, Cast Bronze, Solder Union	52.28	19.30
		For Silver Solder Instead Of 95/5 Solder, Add	5.51	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.06	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
		For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0589	EA	3/8" Diameter, Cast Bronze, Solder Union	58.48	23.28
		For Silver Solder Instead Of 95/5 Solder, Add	6.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.67	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
		For Work In Restricted Working Space, Add	10.49	
22 11 16 00-0590	EA	1/2" Diameter, Cast Bronze, Solder Union	55.94	28.95
		For Silver Solder Instead Of 95/5 Solder, Add	7.14	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.97	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.51	
		For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0591	EA	3/4" Diameter, Cast Bronze, Solder Union	65.14	33.05
		For Silver Solder Instead Of 95/5 Solder, Add	8.20	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
		For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0592	EA	1" Diameter, Cast Bronze, Solder Union	86.10	39.44
		For Silver Solder Instead Of 95/5 Solder, Add	10.22	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
		For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0593	EA	1-1/4" Diameter, Cast Bronze, Solder Union	109.43	43.43
		For Silver Solder Instead Of 95/5 Solder, Add	11.98	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.77	
		For Work In Restricted Working Space, Add	19.54	
22 11 16 00-0594	EA	1-1/2" Diameter, Cast Bronze, Solder Union	130.77	48.25
		For Silver Solder Instead Of 95/5 Solder, Add	13.78	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.16	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
		For Work In Restricted Working Space, Add	21.71	
22 11 16 00-0595	EA	2" Diameter, Cast Bronze, Solder Union	186.37	57.89
		For Silver Solder Instead Of 95/5 Solder, Add	18.00	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.66	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.03	
		For Work In Restricted Working Space, Add	26.05	
22 11 16 00-0596	EA	2-1/2" Diameter, Cast Bronze, Solder Union	313.27	63.75
		For Silver Solder Instead Of 95/5 Solder, Add	25.21	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
		For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0597	EA	3" Diameter, Cast Bronze, Solder Union	699.03	90.41
		For Silver Solder Instead Of 95/5 Solder, Add	48.50	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.73	
		For Brazed Fittings Instead Of 95/5 Solder, Add	20.33	
		For Work In Restricted Working Space, Add	40.65	
22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0451)				
22 11 16 00-0599	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	60.78	19.30
		For Silver Solder Instead Of 95/5 Solder, Add	5.93	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
		For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0600	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	67.91	23.28
		For Silver Solder Instead Of 95/5 Solder, Add	6.89	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
		For Work In Restricted Working Space, Add	10.49	
22 11 16 00-0601	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	69.58	28.95
		For Silver Solder Instead Of 95/5 Solder, Add	7.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.65	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.51	
		For Work In Restricted Working Space, Add	13.03	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0602	EA		3/4" Diameter, Cast Bronze, Solder X Female Threaded Union.....	85.10	33.05
			For Silver Solder Instead Of 95/5 Solder, Add	9.20	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
			For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0603	EA		1" Diameter, Cast Bronze, Solder X Female Threaded Union.....	133.25	39.44
			For Silver Solder Instead Of 95/5 Solder, Add	12.57	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
			For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0604	EA		1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union.....	203.32	43.43
			For Silver Solder Instead Of 95/5 Solder, Add	16.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.77	
			For Work In Restricted Working Space, Add	19.54	
22 11 16 00-0605	EA		1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union.....	247.44	48.25
			For Silver Solder Instead Of 95/5 Solder, Add	19.61	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
			For Work In Restricted Working Space, Add	21.71	
22 11 16 00-0606	EA		2" Diameter, Cast Bronze, Solder X Female Threaded Union.....	383.19	57.89
			For Silver Solder Instead Of 95/5 Solder, Add	27.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.03	
			For Work In Restricted Working Space, Add	26.05	
22 11 16 00-0607	EA		2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union.....	657.29	63.75
			For Silver Solder Instead Of 95/5 Solder, Add	42.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
			For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0451)					
22 11 16 00-0609	EA		1/4" Diameter, Cast Bronze, Solder X Male Threaded Union.....	53.19	19.30
			For Silver Solder Instead Of 95/5 Solder, Add	5.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.11	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.34	
			For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0610	EA		3/8" Diameter, Cast Bronze, Solder X Male Threaded Union.....	63.27	23.28
			For Silver Solder Instead Of 95/5 Solder, Add	6.66	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.91	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.49	
22 11 16 00-0611	EA		1/2" Diameter, Cast Bronze, Solder X Male Threaded Union.....	64.07	28.95
			For Silver Solder Instead Of 95/5 Solder, Add	7.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.51	
			For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0612	EA		3/4" Diameter, Cast Bronze, Solder X Male Threaded Union.....	80.43	33.05
			For Silver Solder Instead Of 95/5 Solder, Add	8.97	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.42	
			For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0613	EA		1" Diameter, Cast Bronze, Solder X Male Threaded Union.....	135.39	39.44
			For Silver Solder Instead Of 95/5 Solder, Add	12.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
			For Work In Restricted Working Space, Add	17.73	
22 11 16 00-0614	EA		1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union.....	159.76	43.43
			For Silver Solder Instead Of 95/5 Solder, Add	14.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.77	
			For Work In Restricted Working Space, Add	19.54	
22 11 16 00-0615	EA		1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union.....	171.77	48.25
			For Silver Solder Instead Of 95/5 Solder, Add	15.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
			For Work In Restricted Working Space, Add	21.71	
22 11 16 00-0616	EA		2" Diameter, Cast Bronze, Solder X Male Threaded Union.....	239.52	57.89
			For Silver Solder Instead Of 95/5 Solder, Add	20.66	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.03	
			For Work In Restricted Working Space, Add	26.05	
22 11 16 00-0617	EA		2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union.....	542.95	63.75
			For Silver Solder Instead Of 95/5 Solder, Add	36.70	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
			For Work In Restricted Working Space, Add	28.65	
22 11 16 00-0618 Copper Caps (22 11 16 00-0451)					
22 11 16 00-0619	EA		1/4" Diameter, Copper Cap.....	8.83	5.30
			For Silver Solder Instead Of 95/5 Solder, Add	1.24	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.84	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.19	
			For Work In Restricted Working Space, Add	2.39	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0620	EA	3/8" Diameter, Copper Cap.....	10.94	6.27
		For Silver Solder Instead Of 95/5 Solder, Add	1.50	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.43	
		For Work In Restricted Working Space, Add	2.87	
22 11 16 00-0621	EA	1/2" Diameter, Copper Cap.....	13.85	8.69
		For Silver Solder Instead Of 95/5 Solder, Add	2.01	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.35	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.97	
		For Work In Restricted Working Space, Add	3.94	
22 11 16 00-0622	EA	3/4" Diameter, Copper Cap.....	17.65	10.73
		For Silver Solder Instead Of 95/5 Solder, Add	2.51	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.70	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.45	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0623	EA	1" Diameter, Copper Cap.....	22.64	12.90
		For Silver Solder Instead Of 95/5 Solder, Add	3.08	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
		For Work In Restricted Working Space, Add	5.85	
22 11 16 00-0624	EA	1-1/4" Diameter, Copper Cap.....	25.29	13.87
		For Silver Solder Instead Of 95/5 Solder, Add	3.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.32	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.17	
		For Work In Restricted Working Space, Add	6.33	
22 11 16 00-0625	EA	1-1/2" Diameter, Copper Cap.....	29.18	15.20
		For Silver Solder Instead Of 95/5 Solder, Add	3.77	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.61	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.46	
		For Work In Restricted Working Space, Add	6.92	
22 11 16 00-0626	EA	2" Diameter, Copper Cap.....	35.10	15.77
		For Silver Solder Instead Of 95/5 Solder, Add	4.14	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.57	
		For Work In Restricted Working Space, Add	7.15	
22 11 16 00-0627	EA	2-1/2" Diameter, Copper Cap.....	67.06	18.44
		For Silver Solder Instead Of 95/5 Solder, Add	6.15	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.20	
		For Work In Restricted Working Space, Add	8.40	
22 11 16 00-0628	EA	3" Diameter, Copper Cap.....	91.77	23.66
		For Silver Solder Instead Of 95/5 Solder, Add	8.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.38	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.37	
		For Work In Restricted Working Space, Add	10.75	
22 11 16 00-0629	EA	4" Diameter, Copper Cap.....	159.80	35.76
		For Silver Solder Instead Of 95/5 Solder, Add	13.41	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.70	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.13	
		For Work In Restricted Working Space, Add	16.26	
22 11 16 00-0630	EA	5" Diameter, Cast Bronze Cap.....	825.79	55.09
		For Silver Solder Instead Of 95/5 Solder, Add	49.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-45.46	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.52	
		For Work In Restricted Working Space, Add	25.04	
22 11 16 00-0631	EA	6" Diameter, Cast Bronze Cap.....	1,600.42	80.18
		For Silver Solder Instead Of 95/5 Solder, Add	92.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-86.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.22	
		For Work In Restricted Working Space, Add	36.44	
22 11 16 00-0632	EA	8" Diameter, Cast Bronze Cap.....	2,038.97	106.84
		For Silver Solder Instead Of 95/5 Solder, Add	118.14	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-110.05	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.29	
		For Work In Restricted Working Space, Add	48.58	
22 11 16 00-0633		Copper Crosses (22 11 16 00-0451)		
22 11 16 00-0634	EA	1/2" Diameter, Copper Cross.....	84.54	48.86
		For Silver Solder Instead Of 95/5 Solder, Add	11.56	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.89	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.00	
		For Work In Restricted Working Space, Add	21.99	
22 11 16 00-0635	EA	3/4" Diameter, Copper Cross.....	112.90	60.76
		For Silver Solder Instead Of 95/5 Solder, Add	14.75	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.20	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.66	
		For Work In Restricted Working Space, Add	27.32	
22 11 16 00-0636	EA	1" Diameter, Copper Cross.....	145.92	72.53
		For Silver Solder Instead Of 95/5 Solder, Add	18.18	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.74	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.33	
		For Work In Restricted Working Space, Add	32.65	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 11 16 00-0637	EA	1-1/4" Diameter, Copper Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.02 20.32 -14.44 17.66 35.32	78.52
22 11 16 00-0638	EA	1-1/2" Diameter, Copper Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.79 23.12 -16.68 19.33 38.65	85.85
22 11 16 00-0639	EA	2" Diameter, Copper Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.87 28.83 -21.61 21.66 43.31	96.30
22 11 16 00-0640	EA	2-1/2" Diameter, Copper Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	490.68 40.53 -32.53 23.99 47.98	106.62
22 11 16 00-0641 Cast Bronze Crosses (22 11 16 00-0451)				
22 11 16 00-0642	EA	3/8" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.28 8.75 -6.08 8.00 15.99	35.54
22 11 16 00-0643	EA	1/2" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.78 11.67 -8.00 11.00 21.99	48.86
22 11 16 00-0644	EA	3/4" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.26 14.97 -10.42 13.66 27.32	60.76
22 11 16 00-0645	EA	1" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.32 18.55 -13.11 16.33 32.65	72.53
22 11 16 00-0646	EA	1-1/4" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.67 20.86 -14.97 17.66 35.32	78.52
22 11 16 00-0647	EA	1-1/2" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.98 23.88 -17.44 19.33 38.65	85.85
22 11 16 00-0648	EA	2" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.65 31.62 -24.40 21.66 43.31	96.30
22 11 16 00-0649	EA	2-1/2" Diameter, Cast Bronze Cross..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	556.83 43.83 -35.84 23.99 47.98	106.62
22 11 16 00-0650 Flexible Corrugated Copper Supply Line (22 11 16 00-0451)				
22 11 16 00-0651	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	89.86	33.05
22 11 16 00-0652	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	94.73	33.05
22 11 16 00-0653	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	81.11	33.05
22 11 16 00-0654	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	86.62	33.05
22 11 16 00-0655	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	91.48	33.05
22 11 16 00-0656	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	94.73	33.05
22 11 16 00-0657 Crimped Copper Fittings (22 11 16 00-0383)				
Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.				
22 11 16 00-0658 Crimped Copper 90 Degree Elbows (22 11 16 00-0657)				
22 11 16 00-0659	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	24.72	14.48
		<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0660	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	29.83	16.53
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0661	EA	1" Diameter, Crimped Copper 90 Degree Elbow	39.79	19.66
		<i>For Work In Restricted Working Space, Add</i>	8.87	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0662	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	53.23	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0663	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	75.32	24.12
		<i>For Work In Restricted Working Space, Add</i>	10.86	
22 11 16 00-0664	EA	2" Diameter, Crimped Copper 90 Degree Elbow	97.82	28.95
		<i>For Work In Restricted Working Space, Add</i>	13.03	
22 11 16 00-0665	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	208.64	33.77
		<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0666	EA	3" Diameter, Crimped Copper 90 Degree Elbow	259.06	40.16
		<i>For Work In Restricted Working Space, Add</i>	18.09	
22 11 16 00-0667	EA	4" Diameter, Crimped Copper 90 Degree Elbow	325.50	53.07
		<i>For Work In Restricted Working Space, Add</i>	23.88	
22 11 16 00-0668 Crimped Copper 45 Degree Elbows (22 11 16 00-0657)				
22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	25.22	14.48
		<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	29.03	16.53
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	43.40	19.66
		<i>For Work In Restricted Working Space, Add</i>	8.87	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	52.43	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	68.40	24.12
		<i>For Work In Restricted Working Space, Add</i>	10.86	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	88.49	28.95
		<i>For Work In Restricted Working Space, Add</i>	13.03	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	155.02	33.77
		<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	209.40	40.16
		<i>For Work In Restricted Working Space, Add</i>	18.09	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	286.66	53.07
		<i>For Work In Restricted Working Space, Add</i>	23.88	
22 11 16 00-0678 Crimped Copper Straight Tees (22 11 16 00-0657)				
22 11 16 00-0679	EA	1/2" Diameter, Crimped Copper Straight Tee	37.17	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0680	EA	3/4" Diameter, Crimped Copper Straight Tee	50.95	28.59
		<i>For Work In Restricted Working Space, Add</i>	12.85	
22 11 16 00-0681	EA	1" Diameter, Crimped Copper Straight Tee	62.29	31.72
		<i>For Work In Restricted Working Space, Add</i>	14.29	
22 11 16 00-0682	EA	1-1/4" Diameter, Crimped Copper Straight Tee	73.63	32.56
		<i>For Work In Restricted Working Space, Add</i>	14.66	
22 11 16 00-0683	EA	1-1/2" Diameter, Crimped Copper Straight Tee	103.64	37.03
		<i>For Work In Restricted Working Space, Add</i>	16.64	
22 11 16 00-0684	EA	2" Diameter, Crimped Copper Straight Tee	124.63	43.43
		<i>For Work In Restricted Working Space, Add</i>	19.54	
22 11 16 00-0685	EA	2-1/2" Diameter, Crimped Copper Straight Tee	271.17	50.66
		<i>For Work In Restricted Working Space, Add</i>	22.80	
22 11 16 00-0686	EA	3" Diameter, Crimped Copper Straight Tee	334.43	60.31
		<i>For Work In Restricted Working Space, Add</i>	27.14	
22 11 16 00-0687	EA	4" Diameter, Crimped Copper Straight Tee	461.73	79.60
		<i>For Work In Restricted Working Space, Add</i>	35.82	
22 11 16 00-0688 Crimped Copper Reducing Tees (22 11 16 00-0657)				
22 11 16 00-0689	EA	3/4" Diameter, Crimped Copper Reducing Tee	43.53	20.63
		<i>For Work In Restricted Working Space, Add</i>	9.30	
22 11 16 00-0690	EA	1" Diameter, Crimped Copper Reducing Tee	62.93	27.14
		<i>For Work In Restricted Working Space, Add</i>	12.20	
22 11 16 00-0691	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	67.90	30.16
		<i>For Work In Restricted Working Space, Add</i>	13.57	
22 11 16 00-0692	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	89.18	30.99
		<i>For Work In Restricted Working Space, Add</i>	13.93	
22 11 16 00-0693	EA	2" Diameter, Crimped Copper Reducing Tee	106.80	35.10
		<i>For Work In Restricted Working Space, Add</i>	15.81	
22 11 16 00-0694	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	289.59	39.80
		<i>For Work In Restricted Working Space, Add</i>	18.09	
22 11 16 00-0695	EA	3" Diameter, Crimped Copper Reducing Tee	353.05	48.25
		<i>For Work In Restricted Working Space, Add</i>	21.71	
22 11 16 00-0696	EA	4" Diameter, Crimped Copper Reducing Tee	415.83	64.28
		<i>For Work In Restricted Working Space, Add</i>	28.95	
22 11 16 00-0697 Crimped Copper Couplings (22 11 16 00-0657)				
22 11 16 00-0698	EA	1/2" Diameter, Crimped Copper Coupling	24.42	14.48
		<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0699	EA	3/4" Diameter, Crimped Copper Coupling	28.84	16.53
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0700	EA	1" Diameter, Crimped Copper Coupling	37.87	19.66
		<i>For Work In Restricted Working Space, Add</i>	8.87	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0701 EA 1-1/4" Diameter, Crimped Copper Coupling For Work In Restricted Working Space, Add	42.90 9.77	21.71
22 11 16 00-0702 EA 1-1/2" Diameter, Crimped Copper Coupling For Work In Restricted Working Space, Add	55.45 10.86	24.12
22 11 16 00-0703 EA 2" Diameter, Crimped Copper Coupling..... For Work In Restricted Working Space, Add	68.02 13.03	28.95
22 11 16 00-0704 EA 2-1/2" Diameter, Crimped Copper Coupling For Work In Restricted Working Space, Add	129.34 15.20	33.77
22 11 16 00-0705 EA 3" Diameter, Crimped Copper Coupling..... For Work In Restricted Working Space, Add	160.51 18.09	40.16
22 11 16 00-0706 EA 4" Diameter, Crimped Copper Coupling..... For Work In Restricted Working Space, Add	218.74 23.88	53.07
22 11 16 00-0707 Crimped Copper Reducing Couplings (22 11 16 00-0657)		
22 11 16 00-0708 EA 3/4" Diameter, Crimped Copper Reducing Coupling For Work In Restricted Working Space, Add	32.98 6.19	13.75
22 11 16 00-0709 EA 1" Diameter, Crimped Copper Reducing Coupling For Work In Restricted Working Space, Add	37.67 7.06	15.68
22 11 16 00-0710 EA 1-1/4" Diameter, Crimped Copper Reducing Coupling For Work In Restricted Working Space, Add	48.68 8.43	18.69
22 11 16 00-0711 EA 1-1/2" Diameter, Crimped Copper Reducing Coupling For Work In Restricted Working Space, Add	61.29 9.30	20.63
22 11 16 00-0712 EA 2" Diameter, Crimped Copper Reducing Coupling For Work In Restricted Working Space, Add	68.49 10.31	22.92
22 11 16 00-0713 EA 2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling..... For Work In Restricted Working Space, Add	133.96 12.30	27.38
22 11 16 00-0714 EA 3" Diameter, Crimped Copper FTG x C Reducing Coupling..... For Work In Restricted Working Space, Add	166.80 14.48	32.20
22 11 16 00-0715 EA 4" Diameter, Crimped Copper FTG x C Reducing Coupling..... For Work In Restricted Working Space, Add	216.88 19.18	42.58
22 11 16 00-0716 Crimped Copper Male Adapters (22 11 16 00-0657)		
22 11 16 00-0717 EA 1/2" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	25.03 6.51	14.48
22 11 16 00-0718 EA 3/4" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	30.74 7.42	16.53
22 11 16 00-0719 EA 1" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	40.58 8.87	19.66
22 11 16 00-0720 EA 1-1/4" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	56.74 9.77	21.71
22 11 16 00-0721 EA 1-1/2" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	70.11 10.86	24.12
22 11 16 00-0722 EA 2" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	108.75 13.03	28.95
22 11 16 00-0723 EA 2-1/2" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	208.64 15.20	33.77
22 11 16 00-0724 EA 3" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	259.06 18.09	40.16
22 11 16 00-0725 EA 4" Diameter, Crimped Copper Male Adapter For Work In Restricted Working Space, Add	309.66 23.88	53.07
22 11 16 00-0726 Crimped Copper Female Adapters (22 11 16 00-0657)		
22 11 16 00-0727 EA 1/2" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	25.72 6.51	14.48
22 11 16 00-0728 EA 3/4" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	31.25 7.42	16.53
22 11 16 00-0729 EA 1" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	41.59 8.87	19.66
22 11 16 00-0730 EA 1-1/4" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	59.75 9.77	21.71
22 11 16 00-0731 EA 1-1/2" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	75.73 10.86	24.12
22 11 16 00-0732 EA 2" Diameter, Crimped Copper Female Adapter For Work In Restricted Working Space, Add	110.56 13.03	28.95
22 11 16 00-0733 Crimped Copper Caps (22 11 16 00-0657)		
22 11 16 00-0734 EA 1/2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	16.67 3.26	7.24
22 11 16 00-0735 EA 3/4" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	22.49 3.80	8.45
22 11 16 00-0736 EA 1" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	29.63 4.34	9.65
22 11 16 00-0737 EA 1-1/4" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	33.45 4.89	10.85
22 11 16 00-0738 EA 1-1/2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	45.28 5.61	12.42
22 11 16 00-0739 EA 2" Diameter, Crimped Copper Cap For Work In Restricted Working Space, Add	54.01 6.51	14.48

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0740	EA	2-1/2" Diameter, Crimped Copper Cap	128.63	16.89
		<i>For Work In Restricted Working Space, Add</i>	7.60	
22 11 16 00-0741	EA	3" Diameter, Crimped Copper Cap	160.89	20.14
		<i>For Work In Restricted Working Space, Add</i>	9.05	
22 11 16 00-0742	EA	4" Diameter, Crimped Copper Cap	214.01	26.53
		<i>For Work In Restricted Working Space, Add</i>	11.94	
22 11 16 00-0743 C x F NPT Crimped Bronze Unions (22 11 16 00-0657)				
22 11 16 00-0744	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	46.61	19.66
		<i>For Work In Restricted Working Space, Add</i>	8.87	
22 11 16 00-0745	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	58.18	24.24
		<i>For Work In Restricted Working Space, Add</i>	10.89	
22 11 16 00-0746	EA	1" Diameter, C x F NPT Crimped Bronze Union	79.88	29.07
		<i>For Work In Restricted Working Space, Add</i>	13.07	
22 11 16 00-0747	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	96.38	33.53
		<i>For Work In Restricted Working Space, Add</i>	15.13	
22 11 16 00-0748	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	121.46	32.81
		<i>For Work In Restricted Working Space, Add</i>	14.76	
22 11 16 00-0749	EA	2" Diameter, C x F NPT Crimped Bronze Union	166.88	47.52
		<i>For Work In Restricted Working Space, Add</i>	21.35	
22 11 16 00-0750 C x C Crimped Bronze Unions (22 11 16 00-0657)				
22 11 16 00-0751	EA	1/2" Diameter, C x C Bronze Crimped Union	42.98	14.48
		<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0752	EA	3/4" Diameter, C x C Bronze Crimped Union	52.61	16.53
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0753	EA	1" Diameter, C x C Bronze Crimped Union	74.10	19.66
		<i>For Work In Restricted Working Space, Add</i>	8.87	
22 11 16 00-0754	EA	1-1/4" Diameter, C x C Bronze Crimped Union	96.17	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0755	EA	1-1/2" Diameter, C x C Bronze Crimped Union	122.58	24.12
		<i>For Work In Restricted Working Space, Add</i>	10.86	
22 11 16 00-0756	EA	2" Diameter, C x C Bronze Crimped Union	184.51	28.95
		<i>For Work In Restricted Working Space, Add</i>	13.03	
22 11 16 00-0757 C x Flange Crimped Bronze Flange (22 11 16 00-0657)				
22 11 16 00-0758	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	352.73	33.77
		<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0759	EA	3" Diameter, C x Flange Crimped Bronze Flange	385.44	40.16
		<i>For Work In Restricted Working Space, Add</i>	18.09	
22 11 16 00-0760	EA	4" Diameter, C x Flange Crimped Bronze Flange	443.57	53.07
		<i>For Work In Restricted Working Space, Add</i>	23.88	
22 11 16 00-0761 Field Installed FKM Seals (22 11 16 00-0657)				
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.				
22 11 16 00-0762	EA	1/2" Diameter, Field Installed FKM Seal	7.13	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	1.63	
22 11 16 00-0763	EA	3/4" Diameter, Field Installed FKM Seal	8.94	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	1.90	
22 11 16 00-0764	EA	1" Diameter, Field Installed FKM Seal	10.25	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	2.17	
22 11 16 00-0765	EA	1-1/4" Diameter, Field Installed FKM Seal	11.76	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	2.44	
22 11 16 00-0766	EA	1-1/2" Diameter, Field Installed FKM Seal	16.18	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0767	EA	2" Diameter, Field Installed FKM Seal	18.07	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0768	EA	2-1/2" Diameter, Field Installed FKM Seal	26.41	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	3.80	
22 11 16 00-0769	EA	3" Diameter, Field Installed FKM Seal	30.43	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	4.52	
22 11 16 00-0770	EA	4" Diameter, Field Installed FKM Seal	41.37	
		Note: To be used in conjunction with fittings.		
		<i>For Work In Restricted Working Space, Add</i>	5.97	
22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)				
22 11 16 00-0772	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	12.06	
22 11 16 00-0773	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	13.03	
22 11 16 00-0774	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.66	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0775 EA 1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	15.38	
22 11 16 00-0776 EA 1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.28	
22 11 16 00-0777 EA 2" Diameter, Cut And Prepare Existing In Place Copper Pipe	17.92	
22 11 16 00-0778 EA 2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.30	
22 11 16 00-0779 EA 3" Diameter, Cut And Prepare Existing In Place Copper Pipe	22.80	
22 11 16 00-0780 EA 4" Diameter, Cut And Prepare Existing In Place Copper Pipe	30.75	
22 11 16 00-0781 EA 6" Diameter, Cut And Prepare Existing In Place Copper Pipe	43.96	
22 11 16 00-0782 EA 8" Diameter, Cut And Prepare Existing In Place Copper Pipe	58.61	
22 11 16 00-0783 Sweat Brass Companion Flanges (22 11 16 00-0383)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0784 EA 1" Diameter, Sweat Brass Companion Flange	58.75	18.55
22 11 16 00-0785 EA 1-1/4" Diameter, Sweat Brass Companion Flange	64.18	20.43
22 11 16 00-0786 EA 1-1/2" Diameter, Sweat Brass Companion Flange	89.41	22.22
22 11 16 00-0787 EA 2" Diameter, Sweat Brass Companion Flange	117.90	24.65
22 11 16 00-0788 EA 2-1/2" Diameter, Sweat Brass Companion Flange	164.90	29.66
22 11 16 00-0789 EA 3" Diameter, Sweat Brass Companion Flange	182.99	38.87
22 11 16 00-0790 EA 4" Diameter, Sweat Brass Companion Flange	243.40	46.32
22 11 16 00-0791 EA 5" Diameter, Sweat Brass Companion Flange	461.37	56.64
22 11 16 00-0792 EA 6" Diameter, Sweat Brass Companion Flange	537.77	82.29
22 11 16 00-0793 EA 8" Diameter, Copper Companion Flange	1,215.09	117.39
22 11 16 00-0794 Brass Compression Fittings (22 11 16 00-0383)		
22 11 16 00-0795 Brass Compression Unions (22 11 16 00-0794)		
22 11 16 00-0796 EA 1/4" Diameter, Brass Compression Union	20.77	13.03
22 11 16 00-0797 EA 3/8" Diameter, Brass Compression Union	21.10	13.03
22 11 16 00-0798 EA 1/2" Diameter, Brass Compression Union	22.11	13.03
22 11 16 00-0799 EA 5/8" Diameter, Brass Compression Union	22.59	13.03
22 11 16 00-0800 EA 3/4" Diameter, Brass Compression Union	31.43	13.03
22 11 16 00-0801 EA 3/8" x 1/4" Diameter, Brass Compression Union	21.33	13.03
22 11 16 00-0802 EA 1/2" x 3/8" Diameter, Brass Compression Union	22.19	13.03
22 11 16 00-0803 EA 5/8" x 3/8" Diameter, Brass Compression Union	22.79	13.03
22 11 16 00-0804 EA 5/8" x 1/2" Diameter, Brass Compression Union	23.75	13.03
22 11 16 00-0805 Brass Compression Union Elbows (22 11 16 00-0794)		
22 11 16 00-0806 EA 1/4" Diameter, Brass Compression Union Elbow	22.11	13.03
22 11 16 00-0807 EA 3/8" Diameter, Brass Compression Union Elbow	22.66	13.03
22 11 16 00-0808 EA 1/2" Diameter, Brass Compression Union Elbow	23.86	13.03
22 11 16 00-0809 EA 5/8" Diameter, Brass Compression Union Elbow	25.72	13.03
22 11 16 00-0810 EA 3/4" Diameter, Brass Compression Union Elbow	32.99	13.03
22 11 16 00-0811 EA 3/8" x 1/4" Diameter, Brass Compression Union Elbow	22.66	13.03
22 11 16 00-0812 EA 1/2" x 3/8" Diameter, Brass Compression Union Elbow	23.86	13.03
22 11 16 00-0813 EA 5/8" x 3/8" Diameter, Brass Compression Union Elbow	24.19	13.03
22 11 16 00-0814 EA 5/8" x 1/2" Diameter, Brass Compression Union Elbow	29.65	13.03
22 11 16 00-0815 Brass Compression Union Tees (22 11 16 00-0794)		
22 11 16 00-0816 EA 1/4" Diameter, Brass Compression Union Tee	22.53	13.03
22 11 16 00-0817 EA 3/8" Diameter, Brass Compression Union Tee	23.66	13.03
22 11 16 00-0818 EA 1/2" Diameter, Brass Compression Union Tee	24.86	13.03
22 11 16 00-0819 EA 5/8" Diameter, Brass Compression Union Tee	28.66	13.03
22 11 16 00-0820 EA 3/4" Diameter, Brass Compression Union Tee	41.78	13.03
22 11 16 00-0821 EA 3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	24.46	13.03
22 11 16 00-0822 EA 1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	30.62	13.03
22 11 16 00-0823 EA 5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	30.03	13.03
22 11 16 00-0824 EA 5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	30.72	13.03
22 11 16 00-0825 Brass Compression Male Connectors (22 11 16 00-0794)		
22 11 16 00-0826 EA 1/4" Diameter, Brass Compression Male Connector	20.53	13.03
22 11 16 00-0827 EA 3/8" Diameter, Brass Compression Male Connector	20.97	13.03
22 11 16 00-0828 EA 1/2" Diameter, Brass Compression Male Connector	21.73	13.03
22 11 16 00-0829 EA 5/8" Diameter, Brass Compression Male Connector	22.86	13.03
22 11 16 00-0830 EA 3/4" Diameter, Brass Compression Male Connector	27.86	12.90
22 11 16 00-0831 Brass Compression Female Connectors (22 11 16 00-0794)		
22 11 16 00-0832 EA 1/4" Diameter, Brass Compression Female Connector	21.01	13.03
22 11 16 00-0833 EA 3/8" Diameter, Brass Compression Female Connector	21.58	13.03
22 11 16 00-0834 EA 1/2" Diameter, Brass Compression Female Connector	22.54	13.03
22 11 16 00-0835 EA 5/8" Diameter, Brass Compression Female Connector	23.21	13.03
22 11 16 00-0836 EA 3/4" Diameter, Brass Compression Female Connector	36.21	12.78
22 11 16 00-0837 Dielectric Fittings (22 11 16 00-0383)		
22 11 16 00-0838 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0839 EA 1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	51.07	28.95
22 11 16 00-0840 EA 3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	57.09	33.05
22 11 16 00-0841 EA 1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	67.72	36.32
22 11 16 00-0842 EA 1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	81.77	39.98
22 11 16 00-0843 EA 1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	98.60	44.42
22 11 16 00-0844 EA 2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	125.00	53.31
22 11 16 00-0845 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		
22 11 16 00-0846 EA 1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	55.90	28.95
22 11 16 00-0847 EA 3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	65.05	33.05
22 11 16 00-0848 EA 1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	78.21	36.32
22 11 16 00-0849 EA 1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	95.68	39.98
22 11 16 00-0850 EA 1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	115.81	44.42
22 11 16 00-0851 EA 2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	145.18	53.31
22 11 16 00-0852 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		
22 11 16 00-0853 EA 1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	52.84	28.95
22 11 16 00-0854 EA 3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	60.00	33.05
22 11 16 00-0855 EA 1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	68.49	36.32
22 11 16 00-0856 EA 1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	79.08	39.98
22 11 16 00-0857 EA 1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	95.93	44.42
22 11 16 00-0858 EA 2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	122.86	53.31
22 11 16 00-0859 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)		
22 11 16 00-0860 EA 2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	304.84	137.05
22 11 16 00-0861 EA 3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	381.70	172.59
22 11 16 00-0862 EA 4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	537.56	234.90
22 11 16 00-0863 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)		
22 11 16 00-0864 EA 2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	306.83	137.05
22 11 16 00-0865 EA 3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	397.54	172.59
22 11 16 00-0866 EA 4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	720.21	234.90
22 11 16 00-0867 Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0868 EA 1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	26.71	12.06
22 11 16 00-0869 EA 3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	33.48	12.86
22 11 16 00-0870 EA 1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	34.53	14.48
22 11 16 00-0871 EA 5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	39.93	15.44
22 11 16 00-0872 EA 3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	40.58	16.49
22 11 16 00-0873 EA 1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	57.58	19.70
22 11 16 00-0874 EA 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	34.00	13.67
22 11 16 00-0875 EA 3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	39.51	14.96
22 11 16 00-0876 EA 1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	59.48	18.09
22 11 16 00-0877 EA 1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	27.96	12.06
22 11 16 00-0878 EA 3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	38.79	12.86
22 11 16 00-0879 EA 1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	35.21	14.48
22 11 16 00-0880 EA 5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	43.02	15.44
22 11 16 00-0881 EA 3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	39.70	16.49
22 11 16 00-0882 EA 1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	58.26	19.70
22 11 16 00-0883 EA 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	33.44	13.67
22 11 16 00-0884 EA 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	37.30	14.96
22 11 16 00-0885 EA 1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	74.68	18.09
22 11 16 00-0886 EA 1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	42.46	18.09
22 11 16 00-0887 EA 3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	54.32	19.30
22 11 16 00-0888 EA 1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	49.13	21.71



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	63.22	23.16
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	57.40	24.72
22 11 16 00-0891	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	79.11	29.55
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.71	20.50
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.98	20.91
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.44	23.73
22 11 16 00-0895	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	76.87	27.94
22 11 16 00-0896	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.97	13.27
22 11 16 00-0897	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.51	13.67
22 11 16 00-0898	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	30.99	14.48
22 11 16 00-0899	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	35.50	16.49
22 11 16 00-0900	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	50.43	19.70
22 11 16 00-0901	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.71	13.27
22 11 16 00-0902	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.51	13.67
22 11 16 00-0903	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.08	14.48
22 11 16 00-0904	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.11	16.49
22 11 16 00-0905	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	38.46	15.95
22 11 16 00-0906	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	46.32	18.09
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	51.22	19.70
22 11 16 00-0908	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	45.74	14.48
22 11 16 00-0909	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	53.54	16.49
22 11 16 00-0910	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	71.06	19.70
22 11 16 00-0911	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	49.17	14.48
22 11 16 00-0912	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	59.33	16.49
22 11 16 00-0913	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	101.15	19.70
22 11 16 00-0914		Copper Pipe With Fittings And Hangers Assemblies (22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add 1.75 For Type M Tubing Instead Of Type L, Deduct -1.44 For Silver Solder Instead Of 95/5 Solder, Add 3.12 For For Brazed Fittings, Add 0.75 For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct -2.17 For Work In Restricted Working Space, Add 5.66	24.59	3.38
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add 2.14 For Type M Tubing Instead Of Type L, Deduct -1.74 For Silver Solder Instead Of 95/5 Solder, Add 3.58 For For Brazed Fittings, Add 0.86 For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct -2.51 For Work In Restricted Working Space, Add 6.41	28.75	4.34
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add 2.59 For Type M Tubing Instead Of Type L, Deduct -2.06 For Silver Solder Instead Of 95/5 Solder, Add 3.85 For For Brazed Fittings, Add 0.90 For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct -2.73 For Work In Restricted Working Space, Add 6.72	32.10	5.18

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	36.73	6.03	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	3.28		
		For Type M Tubing Instead Of Type L, Deduct	-2.55		
		For Silver Solder Instead Of 95/5 Solder, Add	4.16		
		For For Brazed Fittings, Add	0.93		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.00		
		For Work In Restricted Working Space, Add	6.98		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.35		
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	41.26	6.88	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	3.86		
		For Type M Tubing Instead Of Type L, Deduct	-2.97		
		For Silver Solder Instead Of 95/5 Solder, Add	4.55		
		For For Brazed Fittings, Add	0.99		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.30		
		For Work In Restricted Working Space, Add	7.45		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.64		
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	53.07	8.57	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	5.42		
		For Type M Tubing Instead Of Type L, Deduct	-4.08		
		For Silver Solder Instead Of 95/5 Solder, Add	5.51		
		For For Brazed Fittings, Add	1.14		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.08		
		For Work In Restricted Working Space, Add	8.57		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.45		
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	66.78	10.33	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	7.53		
		For Type M Tubing Instead Of Type L, Deduct	-5.56		
		For Silver Solder Instead Of 95/5 Solder, Add	6.40		
		For For Brazed Fittings, Add	1.23		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.87		
		For Work In Restricted Working Space, Add	9.20		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.61		
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	82.27	11.99	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	9.89		
		For Type M Tubing Instead Of Type L, Deduct	-7.22		
		For Silver Solder Instead Of 95/5 Solder, Add	7.43		
		For For Brazed Fittings, Add	1.33		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.77		
		For Work In Restricted Working Space, Add	9.96		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-4.91		
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	130.47	15.88	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	16.99		
		For Type M Tubing Instead Of Type L, Deduct	-12.22		
		For Silver Solder Instead Of 95/5 Solder, Add	10.81		
		For For Brazed Fittings, Add	1.72		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.67		
		For Work In Restricted Working Space, Add	12.87		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-8.76		
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	231.55	19.77	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	32.98		
		For Type M Tubing Instead Of Type L, Deduct	-23.38		
		For Silver Solder Instead Of 95/5 Solder, Add	17.09		
		For For Brazed Fittings, Add	2.20		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.33		
		For Work In Restricted Working Space, Add	16.53		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-17.65		
22 11 16 00-0925	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	302.75	23.88	
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
		For Type K Tubing Instead Of Type L, Add	43.40		
		For Type M Tubing Instead Of Type L, Deduct	-30.73		
		For Silver Solder Instead Of 95/5 Solder, Add	22.13		
		For For Brazed Fittings, Add	2.80		
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.64		
		For Work In Restricted Working Space, Add	20.99		
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-23.28		



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	644.38 100.69 -70.37 40.91 3.48 -36.57 26.09 -55.74	28.54
22 11 16 00-0927		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0928		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0927)		
22 11 16 00-0929		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0928)		
22 11 16 00-0930	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	5.94 1.33	1.77
22 11 16 00-0931	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	6.72 1.40	1.86
22 11 16 00-0932	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	8.04 1.51	2.01
22 11 16 00-0933	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	9.66 1.65	2.19
22 11 16 00-0934	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	11.11 1.82	2.42
22 11 16 00-0935	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	13.76 2.03	2.71
22 11 16 00-0936	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	18.39 2.31	3.07
22 11 16 00-0937	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	23.38 2.73	3.65
22 11 16 00-0938	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	32.15 3.36	4.47
22 11 16 00-0939	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	54.77 4.27	5.69
22 11 16 00-0940	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe..... For Work In Restricted Working Space, Add	78.45 5.60	7.46
22 11 16 00-0941		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0928)		
22 11 16 00-0942	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	23.45 6.33	8.44
22 11 16 00-0943	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	30.31 8.00	10.66
22 11 16 00-0944	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	39.21 10.03	13.32
22 11 16 00-0945	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	52.89 12.53	16.66
22 11 16 00-0946	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	58.76 13.86	18.44
22 11 16 00-0947	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	68.47 15.46	18.44
22 11 16 00-0948	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	102.76 17.59	23.43
22 11 16 00-0949	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	117.25 20.79	27.77
22 11 16 00-0950	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	165.25 25.59	34.10
22 11 16 00-0951	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	208.61 32.52	43.31
22 11 16 00-0952	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow..... For Work In Restricted Working Space, Add	387.42 42.65	56.87
22 11 16 00-0953		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0928)		
22 11 16 00-0954	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	24.62 6.33	8.44
22 11 16 00-0955	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	31.72 8.00	10.66
22 11 16 00-0956	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	41.49 10.03	13.32
22 11 16 00-0957	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	55.89 12.53	16.66
22 11 16 00-0958	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	62.42 13.86	18.44
22 11 16 00-0959	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	69.71 15.46	20.66
22 11 16 00-0960	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... For Work In Restricted Working Space, Add	103.54 17.59	23.43

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0961	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	117.15 20.79	27.77
22 11 16 00-0962	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	150.92 25.59	34.10
22 11 16 00-0963	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	235.47 32.52	43.31
22 11 16 00-0964	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	406.45 42.65	56.87
22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0928)				
22 11 16 00-0966	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	35.93 9.50	12.66
22 11 16 00-0967	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	46.80 11.99	15.99
22 11 16 00-0968	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	58.59 15.06	20.10
22 11 16 00-0969	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	80.33 18.79	25.10
22 11 16 00-0970	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	89.58 20.79	27.77
22 11 16 00-0971	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	107.53 23.19	30.88
22 11 16 00-0972	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	137.62 26.39	35.21
22 11 16 00-0973	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	157.99 31.19	41.54
22 11 16 00-0974	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	191.78 38.39	51.20
22 11 16 00-0975	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	287.32 48.78	65.09
22 11 16 00-0976	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	570.31 63.98	85.30
22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0928)				
22 11 16 00-0978	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	45.89 12.66	16.88
22 11 16 00-0979	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	59.19 15.99	21.32
22 11 16 00-0980	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	74.09 20.06	26.77
22 11 16 00-0981	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	98.75 25.06	33.43
22 11 16 00-0982	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	109.87 27.72	36.98
22 11 16 00-0983	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	129.10 30.92	41.21
22 11 16 00-0984	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	160.05 35.18	46.87
22 11 16 00-0985	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	185.14 41.58	55.42
22 11 16 00-0986	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	225.58 51.18	68.19
22 11 16 00-0987	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	324.21 65.04	86.74
22 11 16 00-0988	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross..... <i>For Work In Restricted Working Space, Add</i>	591.87 85.30	113.73
22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0928)				
22 11 16 00-0990	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	20.95 5.87	7.77
22 11 16 00-0991	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	29.06 7.90	10.55
22 11 16 00-0992	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	46.96 10.33	13.78
22 11 16 00-0993	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	52.88 11.43	15.22
22 11 16 00-0994	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	61.96 12.76	16.99
22 11 16 00-0995	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	67.84 14.53	19.33
22 11 16 00-0996	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	82.07 17.16	22.88
22 11 16 00-0997	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	110.26 21.12	28.10
22 11 16 00-0998	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	174.29 26.82	35.76
22 11 16 00-0999	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	372.66 35.18	46.87



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1000		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0928)		
22 11 16 00-1001	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	23.09 4.17	5.55
22 11 16 00-1002	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	29.47 5.87	7.77
22 11 16 00-1003	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	36.96 7.90	10.55
22 11 16 00-1004	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	46.28 10.33	13.78
22 11 16 00-1005	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	53.89 11.43	15.22
22 11 16 00-1006	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	66.98 12.76	16.99
22 11 16 00-1007	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	100.67 14.53	19.33
22 11 16 00-1008	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	193.67 17.16	22.88
22 11 16 00-1009	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert For Work In Restricted Working Space, Add	285.49 21.12	28.10
22 11 16 00-1010		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0928)		
22 11 16 00-1011	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	17.41 4.17	5.55
22 11 16 00-1012	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	24.31 5.87	7.77
22 11 16 00-1013	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	34.35 7.90	10.55
22 11 16 00-1014	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	46.28 10.33	13.78
22 11 16 00-1015	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	54.12 11.43	15.22
22 11 16 00-1016	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	64.21 12.76	16.99
22 11 16 00-1017	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	89.44 14.53	19.33
22 11 16 00-1018	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	106.80 17.16	22.88
22 11 16 00-1019	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters For Work In Restricted Working Space, Add	154.27 21.12	28.10
22 11 16 00-1020		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0928)		
22 11 16 00-1021	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	18.75 4.17	5.55
22 11 16 00-1022	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	24.74 5.87	7.77
22 11 16 00-1023	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	34.46 7.90	10.55
22 11 16 00-1024	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	46.67 10.33	13.78
22 11 16 00-1025	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	52.33 11.43	15.22
22 11 16 00-1026	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	62.74 12.76	16.99
22 11 16 00-1027	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	90.29 14.53	19.33
22 11 16 00-1028	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	121.62 17.16	22.88
22 11 16 00-1029	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters For Work In Restricted Working Space, Add	179.47 21.12	28.10
22 11 16 00-1030		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0928)		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1031	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.66	5.11
		<i>For Work In Restricted Working Space, Add</i>	3.80	
22 11 16 00-1032	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	22.01	7.11
		<i>For Work In Restricted Working Space, Add</i>	5.33	
22 11 16 00-1033	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	29.59	9.55
		<i>For Work In Restricted Working Space, Add</i>	7.16	
22 11 16 00-1034	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	39.84	12.55
		<i>For Work In Restricted Working Space, Add</i>	9.40	
22 11 16 00-1035	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	45.39	13.89
		<i>For Work In Restricted Working Space, Add</i>	10.40	
22 11 16 00-1036	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	51.12	15.44
		<i>For Work In Restricted Working Space, Add</i>	11.60	
22 11 16 00-1037	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	73.87	17.54
		<i>For Work In Restricted Working Space, Add</i>	13.19	
22 11 16 00-1038	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	82.17	20.77
		<i>For Work In Restricted Working Space, Add</i>	15.59	
22 11 16 00-1039	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	103.52	25.55
		<i>For Work In Restricted Working Space, Add</i>	19.19	
22 11 16 00-1040	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	159.32	32.54
		<i>For Work In Restricted Working Space, Add</i>	24.39	
22 11 16 00-1041	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	264.72	42.65
		<i>For Work In Restricted Working Space, Add</i>	31.99	
22 11 16 00-1042		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0928)		
22 11 16 00-1043	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	28.01	6.11
		<i>For Work In Restricted Working Space, Add</i>	4.57	
22 11 16 00-1044	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	34.73	8.55
		<i>For Work In Restricted Working Space, Add</i>	6.40	
22 11 16 00-1045	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	42.49	11.44
		<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-1046	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	70.08	15.00
		<i>For Work In Restricted Working Space, Add</i>	11.26	
22 11 16 00-1047	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	74.66	16.66
		<i>For Work In Restricted Working Space, Add</i>	12.46	
22 11 16 00-1048	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	101.38	18.55
		<i>For Work In Restricted Working Space, Add</i>	13.93	
22 11 16 00-1049	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	166.70	21.10
		<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-1050	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	234.62	24.99
		<i>For Work In Restricted Working Space, Add</i>	18.73	
22 11 16 00-1051	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	369.49	30.66
		<i>For Work In Restricted Working Space, Add</i>	23.03	
22 11 16 00-1052	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	492.89	38.98
		<i>For Work In Restricted Working Space, Add</i>	29.26	
22 11 16 00-1053	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	610.90	51.20
		<i>For Work In Restricted Working Space, Add</i>	38.39	
22 11 16 00-1054		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0928)		
22 11 16 00-1055	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	12.65	5.22
		<i>For Work In Restricted Working Space, Add</i>	2.38	
22 11 16 00-1056	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	16.72	6.56
		<i>For Work In Restricted Working Space, Add</i>	3.00	
22 11 16 00-1057	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	24.42	8.22
		<i>For Work In Restricted Working Space, Add</i>	3.76	
22 11 16 00-1058	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	28.68	6.22
		<i>For Work In Restricted Working Space, Add</i>	4.70	
22 11 16 00-1059	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.60	6.89
		<i>For Work In Restricted Working Space, Add</i>	5.20	
22 11 16 00-1060	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	40.71	7.77
		<i>For Work In Restricted Working Space, Add</i>	5.80	
22 11 16 00-1061	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	60.50	8.77
		<i>For Work In Restricted Working Space, Add</i>	6.60	
22 11 16 00-1062	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	65.38	10.44
		<i>For Work In Restricted Working Space, Add</i>	7.80	
22 11 16 00-1063	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	98.42	12.77
		<i>For Work In Restricted Working Space, Add</i>	9.59	
22 11 16 00-1064	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	205.96	16.21
		<i>For Work In Restricted Working Space, Add</i>	12.20	
22 11 16 00-1065	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	265.58	21.32
		<i>For Work In Restricted Working Space, Add</i>	15.99	
22 11 16 00-1066		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges (22 11 16 00-0928)		
22 11 16 00-1067	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	21.53	4.00
		<i>For Work In Restricted Working Space, Add</i>	3.03	
22 11 16 00-1068	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	26.46	5.66
		<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-1069	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges.....	32.74	7.66
		<i>For Work In Restricted Working Space, Add</i>	5.73	
22 11 16 00-1070	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	39.13	10.00
		<i>For Work In Restricted Working Space, Add</i>	7.53	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1071 EA 1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	42.13 8.33	11.11
22 11 16 00-1072 EA 2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	49.97 9.26	12.33
22 11 16 00-1073 EA 2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	65.01 10.56	14.11
22 11 16 00-1074 EA 3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	74.04 12.46	16.66
22 11 16 00-1075 EA 4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	92.38 15.36	20.43
22 11 16 00-1076 EA 6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	129.83 19.53	25.99
22 11 16 00-1077 EA 8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges For Work In Restricted Working Space, Add	231.36 25.59	34.10
22 11 16 00-1078 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe (22 11 16)		
22 11 16 00-1079 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe (22 11 16) 00-1079 Note: Aquatherm greenpipe®		
22 11 16 00-1080 LF 1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.11	1.89
22 11 16 00-1081 LF 3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.96	1.97
22 11 16 00-1082 LF 1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.06	2.37
22 11 16 00-1083 LF 1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.10	2.53
22 11 16 00-1084 LF 1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	13.90	2.84
22 11 16 00-1085 LF 2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	18.33	2.90
22 11 16 00-1086 LF 2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	26.12	3.94
22 11 16 00-1087 LF 3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	34.58	4.56
22 11 16 00-1088 LF 3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	46.41	5.10
22 11 16 00-1089 LF 4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	54.83	5.63
22 11 16 00-1090 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11) 16 00-1079 Note: Aquatherm greenpipe®		
22 11 16 00-1091 LF 1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	4.69	1.89
22 11 16 00-1092 LF 3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.26	1.97
22 11 16 00-1093 LF 1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	6.81	2.37
22 11 16 00-1094 LF 1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.27	2.53
22 11 16 00-1095 LF 1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	10.71	2.84
22 11 16 00-1096 LF 2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	13.80	2.90
22 11 16 00-1097 LF 2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	19.15	3.94
22 11 16 00-1098 LF 3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	25.38	4.56
22 11 16 00-1099 LF 3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	34.86	5.10
22 11 16 00-1100 LF 4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	41.15	5.63
22 11 16 00-1101 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1078) Note: Aquatherm greenpipe®.		
22 11 16 00-1102 LF 1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.33	1.89
22 11 16 00-1103 LF 3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.26	1.97
22 11 16 00-1104 LF 1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.39	2.37
22 11 16 00-1105 LF 1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	10.53	2.53
22 11 16 00-1106 LF 1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	15.14	2.84
22 11 16 00-1107 LF 2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	19.00	2.90
22 11 16 00-1108 LF 2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	27.08	3.94
22 11 16 00-1109 LF 3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	36.97	4.56
22 11 16 00-1110 LF 3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	46.28	5.10
22 11 16 00-1111 LF 4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	54.45	5.63
22 11 16 00-1112 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11) 16 00-1079 Note: Aquatherm climatherm®.		
22 11 16 00-1113 LF 1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.67	1.89
22 11 16 00-1114 LF 3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.34	1.97
22 11 16 00-1115 LF 1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.35	2.37
22 11 16 00-1116 LF 1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.61	2.53
22 11 16 00-1117 LF 1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	9.53	2.85
22 11 16 00-1118 LF 2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.00	2.91
22 11 16 00-1119 LF 2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	16.70	3.94
22 11 16 00-1120 LF 3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	21.96	4.56
22 11 16 00-1121 LF 3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	29.23	5.11
22 11 16 00-1122 LF 4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	35.16	5.63
22 11 16 00-1123 LF 6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	42.30	7.21
22 11 16 00-1124 LF 8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	67.51	9.46
22 11 16 00-1125 Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1079)		
22 11 16 00-1126 EA 1/2" Diameter Pipe Clamp For Polypropylene Pipe	12.92	4.68
22 11 16 00-1127 EA 3/4" Diameter Pipe Clamp For Polypropylene Pipe	13.47	4.68

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-1128	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	13.83	4.68	
22 11 16 00-1129	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	13.96	4.68	
22 11 16 00-1130	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	14.38	4.68	
22 11 16 00-1131	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	15.59	4.68	
22 11 16 00-1132	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	17.36	4.68	
22 11 16 00-1133	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	17.96	4.68	
22 11 16 00-1134	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.81	4.68	
22 11 16 00-1135	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	19.97	4.68	
22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1078)					
22 11 16 00-1137	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.38		
22 11 16 00-1138	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.53		
22 11 16 00-1139	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.60		
22 11 16 00-1140	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.65		
22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1078)					
22 11 16 00-1142	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	10.37	2.43	
22 11 16 00-1143	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	10.74	2.43	
22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1078)					
22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.09	3.77	
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	9.60	3.94	
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling	11.73	4.73	
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	12.86	5.07	
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	17.08	5.69	
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling	23.01	5.80	
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	28.54	7.88	
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling	46.31	9.12	
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	66.02	10.19	
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling	82.42	11.26	
22 11 16 00-1155 Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1078)					
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing	9.85	3.77	
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	11.41	3.94	
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	15.30	4.73	
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing	21.83	5.07	
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	24.46	5.69	
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing	40.72	5.80	
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	62.32	7.88	
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	75.06	9.12	
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	91.03	10.19	
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	95.29	11.26	
22 11 16 00-1166 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1078)					
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	13.34	3.94	
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	17.69	4.73	
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	26.56	5.07	
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	29.43	5.69	
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	35.93	5.80	
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	57.97	7.88	
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	75.33	9.57	
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	84.36	11.26	
22 11 16 00-1175 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1078)					
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	16.74	7.55	
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	18.00	7.94	
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	21.98	9.46	
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	25.09	10.19	
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	32.78	11.32	
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	38.67	11.54	
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	66.20	15.82	
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	93.92	18.25	
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	122.32	20.38	
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	170.68	22.53	
22 11 16 00-1186 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1078)					
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	16.74	7.55	
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	18.00	7.94	
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	21.98	9.46	
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	25.09	10.19	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1191			Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1078)		
22 11 16 00-1192	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	16.74	7.55
22 11 16 00-1193	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	18.00	7.94
22 11 16 00-1194	EA		1" Polypropylene, Heat Fusion, 45 Degree Elbow	21.98	9.46
22 11 16 00-1195	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	25.09	10.19
22 11 16 00-1196	EA		1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	32.78	11.32
22 11 16 00-1197	EA		2" Polypropylene, Heat Fusion, 45 Degree Elbow	38.48	11.54
22 11 16 00-1198	EA		2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	65.78	15.82
22 11 16 00-1199	EA		3" Polypropylene, Heat Fusion, 45 Degree Elbow	99.50	18.25
22 11 16 00-1200	EA		3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	130.49	20.38
22 11 16 00-1201	EA		4" Polypropylene, Heat Fusion, 45 Degree Elbow	183.21	22.53
22 11 16 00-1202			Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1203	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	16.72	7.55
22 11 16 00-1204	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	18.00	7.94
22 11 16 00-1205	EA		1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	21.98	9.46
22 11 16 00-1206	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	25.09	10.19
22 11 16 00-1207			Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1078)		
22 11 16 00-1208	EA		1/2" Polypropylene, Heat Fusion, Tee	24.87	11.32
22 11 16 00-1209	EA		3/4" Polypropylene, Heat Fusion, Tee	26.82	11.88
22 11 16 00-1210	EA		1" Polypropylene, Heat Fusion, Tee	32.16	14.13
22 11 16 00-1211	EA		1-1/4" Polypropylene, Heat Fusion, Tee	36.46	15.26
22 11 16 00-1212	EA		1-1/2" Polypropylene, Heat Fusion, Tee	50.97	17.00
22 11 16 00-1213	EA		2" Polypropylene, Heat Fusion, Tee	58.98	17.34
22 11 16 00-1214	EA		2-1/2" Polypropylene, Heat Fusion, Tee	88.11	23.70
22 11 16 00-1215	EA		3" Polypropylene, Heat Fusion, Tee	121.92	27.37
22 11 16 00-1216	EA		3-1/2" Polypropylene, Heat Fusion, Tee	165.83	30.54
22 11 16 00-1217	EA		4" Polypropylene, Heat Fusion, Tee	206.66	33.73
22 11 16 00-1218			Polypropylene Random (PP-R), Heat Fusion, Reducing Tee (22 11 16 00-1078)		
22 11 16 00-1219	EA		1/2" Polypropylene, Heat Fusion, Reducing Tee	24.87	11.32
22 11 16 00-1220	EA		3/4" Polypropylene, Heat Fusion, Reducing Tee	26.82	11.88
22 11 16 00-1221	EA		1" Polypropylene, Heat Fusion, Reducing Tee	32.12	14.13
22 11 16 00-1222	EA		1-1/4" Polypropylene, Heat Fusion, Reducing Tee	36.46	15.26
22 11 16 00-1223	EA		1-1/2" Polypropylene, Heat Fusion, Reducing Tee	50.97	17.00
22 11 16 00-1224	EA		2" Polypropylene, Heat Fusion, Reducing Tee	57.51	17.34
22 11 16 00-1225	EA		2-1/2" Polypropylene, Heat Fusion, Reducing Tee	84.63	23.70
22 11 16 00-1226	EA		3" Polypropylene, Heat Fusion, Reducing Tee	129.34	27.37
22 11 16 00-1227	EA		3-1/2" Polypropylene, Heat Fusion, Reducing Tee	177.67	30.54
22 11 16 00-1228	EA		4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	202.45	33.73
22 11 16 00-1229	EA		4" x 3" Polypropylene, Heat Fusion, Reducing Tee	207.14	33.73
22 11 16 00-1230	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	207.67	33.73
22 11 16 00-1231			Polypropylene Random (PP-R), Heat Fusion, End Cap (22 11 16 00-1078)		
22 11 16 00-1232	EA		1/2" Polypropylene, Heat Fusion, End Cap	9.97	3.77
22 11 16 00-1233	EA		3/4" Polypropylene, Heat Fusion, End Cap	10.94	3.94
22 11 16 00-1234	EA		1" Polypropylene, Heat Fusion, End Cap	13.17	4.73
22 11 16 00-1235	EA		1-1/4" Polypropylene, Heat Fusion, End Cap	15.98	5.07
22 11 16 00-1236	EA		1-1/2" Polypropylene, Heat Fusion, End Cap	19.44	5.69
22 11 16 00-1237	EA		2" Polypropylene, Heat Fusion, End Cap	25.09	5.80
22 11 16 00-1238	EA		2-1/2" Polypropylene, Heat Fusion, End Cap	35.33	7.88
22 11 16 00-1239	EA		3" Polypropylene, Heat Fusion, End Cap	62.43	9.12
22 11 16 00-1240	EA		3-1/2" Polypropylene, Heat Fusion, End Cap	73.52	10.19
22 11 16 00-1241	EA		4" Polypropylene, Heat Fusion, End Cap	103.47	11.26
22 11 16 00-1242			Polypropylene Random (PP-R), Heat Fusion Outlet (22 11 16 00-1078)		
22 11 16 00-1243	EA		1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	12.51	
22 11 16 00-1244	EA		1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	12.85	
22 11 16 00-1245	EA		1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.08	
22 11 16 00-1246	EA		1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	13.42	
22 11 16 00-1247	EA		2" x 1/2" Polypropylene, Heat Fusion Outlet	14.03	
22 11 16 00-1248	EA		2" x 3/4" Polypropylene, Heat Fusion Outlet	14.37	
22 11 16 00-1249	EA		2" x 1" Polypropylene, Heat Fusion Outlet	16.07	
22 11 16 00-1250	EA		2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	14.98	
22 11 16 00-1251	EA		2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.32	
22 11 16 00-1252	EA		2-1/2" x 1" Polypropylene, Heat Fusion Outlet	17.02	
22 11 16 00-1253	EA		2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	17.80	
22 11 16 00-1254	EA		3" x 1/2" Polypropylene, Heat Fusion Outlet	15.93	
22 11 16 00-1255	EA		3" x 3/4" Polypropylene, Heat Fusion Outlet	16.27	
22 11 16 00-1256	EA		3" x 1" Polypropylene, Heat Fusion Outlet	17.97	
22 11 16 00-1257	EA		3" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.75	
22 11 16 00-1258	EA		3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.93	
22 11 16 00-1259	EA		3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.22	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	18.92	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	19.70	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	23.32	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet.....	17.83	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet.....	18.17	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet.....	19.87	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	20.65	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	23.32	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet.....	27.56	
22 11 16 00-1269		Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included (22 11 16 00-1078)		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included.....	14.79	4.73
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included.....	16.43	5.07
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	21.22	5.69
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included.....	22.70	5.80
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	31.30	7.88
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included.....	49.84	9.12
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	67.43	10.19
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included.....	142.37	11.26
22 11 16 00-1278		Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern (22 11 16 00-1078)		
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	25.15	
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	33.23	
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	41.47	
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	49.28	
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	68.91	
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	80.01	
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	99.11	
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	120.03	
22 11 16 00-1287		Polypropylene Random (PP-R), Electrofusion Coupling (22 11 16 00-1078)		
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling.....	54.82	7.55
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling.....	57.16	7.94
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling.....	65.16	9.46
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling.....	67.35	10.19
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling.....	73.31	11.32
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling.....	96.55	11.54
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling.....	118.72	15.82
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling.....	147.60	18.25
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling.....	198.56	20.38
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling.....	243.64	22.53
22 11 16 00-1298		Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	29.55	10.37
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	34.72	10.75
22 11 16 00-1301		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow.....	31.67	10.37
22 11 16 00-1303		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test (22 11 16 00-1078)		
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	8.75	3.77
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	9.44	3.94
22 11 16 00-1306		Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece (22 11 16 00-1078)		
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	22.65	7.55
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	25.05	7.55
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	23.44	7.94
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	25.84	7.94
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	29.87	9.46
22 11 16 00-1312		Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece (22 11 16 00-1078)		
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	26.96	7.55
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	28.99	7.55
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	27.75	7.94
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	29.78	7.94



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	34.93	9.46
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	51.43	9.46
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	54.51	10.19
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	71.74	10.19
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	75.71	11.32
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	82.21	11.32
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	88.34	11.54
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	115.32	11.54
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	127.95	15.82
22 11 16 00-1326 Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece (22 11 16 00-1078)				
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	32.90	7.55
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	35.44	7.55
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	33.69	7.94
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	36.23	7.94
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	42.96	9.46
22 11 16 00-1332 Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece (22 11 16 00-1078)				
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	28.15	7.55
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	30.01	7.55
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	30.80	7.94
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	43.94	9.46
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	61.04	9.46
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	46.31	10.19
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	65.18	10.19
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	68.92	11.32
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	79.67	11.32
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	90.64	11.54
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	102.09	11.54
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	112.56	15.82
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	152.77	15.82
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	225.37	18.25
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	428.00	20.38
22 11 16 00-1348 Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow (22 11 16 00-1078)				
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	28.30	7.55
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	23.92	7.55
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	29.09	7.94
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	24.71	7.94
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	33.55	9.46
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	50.58	9.46
22 11 16 00-1355 Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow (22 11 16 00-1078)				
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow.....	23.92	7.55
22 11 16 00-1357 Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow (22 11 16 00-1078)				
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	26.11	7.55
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	27.53	7.55
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	28.32	7.94
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	35.17	9.46
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	47.82	9.46
22 11 16 00-1363 Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee (22 11 16 00-1078)				
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	33.10	11.32
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	36.56	11.32
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	34.22	11.88
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	37.68	11.88
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	44.52	14.13
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	60.07	14.13
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	69.82	17.00
22 11 16 00-1371 Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee (22 11 16 00-1078)				
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee.....	35.43	11.32
22 11 16 00-1373 Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting (22 11 16 00-1078)				

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1374	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting.....	24.30	3.77
22 11 16 00-1375			Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT (22 11 16 00-1078)		
22 11 16 00-1376	EA		1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	21.33	
22 11 16 00-1377	EA		3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	27.19	
22 11 16 00-1378	EA		1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	37.33	
22 11 16 00-1379			Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT (22 11 16 00-1078)		
22 11 16 00-1380	EA		1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT.....	24.72	
22 11 16 00-1381	EA		3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT.....	33.47	
22 11 16 00-1382			Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor (22 11 16 00-1078)		
22 11 16 00-1383	EA		1/2" Polypropylene, Heat Fusion, PEX Adaptor.....	17.37	3.77
22 11 16 00-1384	EA		3/4" Polypropylene, Heat Fusion, PEX Adaptor.....	25.78	3.94
22 11 16 00-1385	EA		1" Polypropylene, Heat Fusion, PEX Adaptor.....	33.72	4.73
22 11 16 00-1386			Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body (22 11 16 00-1078)		
22 11 16 00-1387	EA		1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body.....	24.13	8.28
22 11 16 00-1388	EA		3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body.....	25.03	8.73
22 11 16 00-1389	EA		1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body.....	35.20	10.37
22 11 16 00-1390	EA		1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body.....	53.40	11.20
22 11 16 00-1391			Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve (22 11 16 00-1078)		
22 11 16 00-1392	EA		1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve.....	67.88	8.28
22 11 16 00-1393	EA		3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve.....	68.78	8.73
22 11 16 00-1394	EA		1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve.....	82.18	10.37
22 11 16 00-1395	EA		1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve.....	134.06	11.20
22 11 16 00-1396			Polypropylene Random (PP-R), Heat Fusion, Ball Valve (22 11 16 00-1078)		
22 11 16 00-1397	EA		1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	62.85	8.28
22 11 16 00-1398	EA		3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	69.58	8.73
22 11 16 00-1399	EA		1" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	84.36	10.37
22 11 16 00-1400	EA		1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	118.66	11.20
22 11 16 00-1401	EA		1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	171.99	12.45
22 11 16 00-1402	EA		2" Diameter, Polypropylene, Heat Fusion, Ball Valve.....	260.73	12.72
22 11 16 00-1403			Extension For Ball Valve (22 11 16 00-1078)		
22 11 16 00-1404	EA		Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length.....	32.06	
22 11 16 00-1405	EA		Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length.....	32.11	
22 11 16 00-1406	EA		Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length.....	35.09	
22 11 16 00-1407			Polypropylene Random (PP-R), Heat Fusion, Draining Branch (22 11 16 00-1078)		
22 11 16 00-1408	EA		1/2" Polypropylene, Heat Fusion, Draining Branch.....	30.94	7.55
22 11 16 00-1409	EA		3/4" Polypropylene, Heat Fusion, Draining Branch.....	31.73	7.94
22 11 16 00-1410	EA		1" Polypropylene, Heat Fusion, Draining Branch.....	36.45	9.46
22 11 16 00-1411	EA		1-1/4" Polypropylene, Heat Fusion, Draining Branch.....	37.91	10.19
22 11 16 00-1412	EA		1-1/2" Polypropylene, Heat Fusion, Draining Branch.....	41.63	11.32
22 11 16 00-1413	EA		2" Polypropylene, Heat Fusion, Draining Branch.....	44.62	11.54
22 11 16 00-1414			Red Brass Pipe And Fittings (22 11 16)		
			Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415			Schedule 40 Red Brass Pipe (22 11 16 00-1414)		
22 11 16 00-1416	LF		1/2" Diameter, Schedule 40 Red Brass Pipe.....	30.35	2.34
22 11 16 00-1417	LF		3/4" Diameter, Schedule 40 Red Brass Pipe.....	40.21	2.34
22 11 16 00-1418	LF		1" Diameter, Schedule 40 Red Brass Pipe.....	54.87	2.34
22 11 16 00-1419	LF		1-1/4" Diameter, Schedule 40 Red Brass Pipe.....	80.46	2.56
22 11 16 00-1420	LF		1-1/2" Diameter, Schedule 40 Red Brass Pipe.....	92.66	2.78
22 11 16 00-1421	LF		2" Diameter, Schedule 40 Red Brass Pipe.....	118.75	3.33
22 11 16 00-1422	LF		2-1/2" Diameter, Schedule 40 Red Brass Pipe.....	172.69	3.78
22 11 16 00-1423	LF		3" Diameter, Schedule 40 Red Brass Pipe.....	243.98	4.00
22 11 16 00-1424	LF		4" Diameter, Schedule 40 Red Brass Pipe.....	349.72	4.00
22 11 16 00-1425			125 LB Cast Bronze, Screwed, 90 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1426	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	64.72	27.65
22 11 16 00-1427	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	73.40	30.43
22 11 16 00-1428	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	92.33	35.98
22 11 16 00-1429	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	110.47	38.65



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1430	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	123.86	41.43
22 11 16 00-1431	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	154.55	44.20
22 11 16 00-1432	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	263.27	55.31
22 11 16 00-1433	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	365.88	66.31
22 11 16 00-1434	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	649.05	88.41
22 11 16 00-1435			125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1414)		
22 11 16 00-1436	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	67.87	27.65
22 11 16 00-1437	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	77.98	30.43
22 11 16 00-1438	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	101.91	35.98
22 11 16 00-1439	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	123.04	38.65
22 11 16 00-1440	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	141.16	41.43
22 11 16 00-1441	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	192.32	44.20
22 11 16 00-1442	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	294.74	55.31
22 11 16 00-1443	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	462.61	66.31
22 11 16 00-1444	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	922.77	88.41
22 11 16 00-1445			125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1446	EA		1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	66.32	27.65
22 11 16 00-1447	EA		3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	76.53	30.43
22 11 16 00-1448	EA		1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	98.63	35.98
22 11 16 00-1449	EA		1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	119.91	38.65
22 11 16 00-1450	EA		1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	136.43	41.43
22 11 16 00-1451	EA		2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	175.00	44.20
22 11 16 00-1452	EA		2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	275.81	55.31
22 11 16 00-1453	EA		3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	387.36	66.31
22 11 16 00-1454	EA		4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	859.17	88.41
22 11 16 00-1455			125 Lb. Cast Bronze, Screwed, Tees (22 11 16 00-1414)		
22 11 16 00-1456	EA		1/2", 125 Lb., Cast Bronze, Screwed, Tee	93.95	41.43
22 11 16 00-1457	EA		3/4", 125 Lb., Cast Bronze, Screwed, Tee	106.37	45.32
22 11 16 00-1458	EA		1", 125 Lb., Cast Bronze, Screwed, Tee	135.59	53.65
22 11 16 00-1459	EA		1-1/4", 125 Lb., Cast Bronze, Screwed, Tee	164.89	58.09
22 11 16 00-1460	EA		1-1/2", 125 Lb., Cast Bronze, Screwed, Tee	178.92	61.86
22 11 16 00-1461	EA		2", 125 Lb., Cast Bronze, Screwed, Tee	223.95	66.31
22 11 16 00-1462	EA		2-1/2", 125 Lb., Cast Bronze, Screwed, Tee	373.60	82.96
22 11 16 00-1463	EA		3", 125 Lb., Cast Bronze, Screwed, Tee	516.61	99.51
22 11 16 00-1464	EA		4", 125 Lb., Cast Bronze, Screwed, Tee	1,052.28	132.61
22 11 16 00-1465			125 Lb. Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1414)		
22 11 16 00-1466	EA		1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	98.66	41.43
22 11 16 00-1467	EA		3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	109.55	45.32
22 11 16 00-1468	EA		1", 125 Lb., Cast Bronze, Screwed, Reducing Tee	148.18	53.65
22 11 16 00-1469	EA		1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	174.33	58.09
22 11 16 00-1470	EA		1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	204.10	61.86
22 11 16 00-1471	EA		2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	263.30	66.31
22 11 16 00-1472	EA		2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	450.12	82.96
22 11 16 00-1473	EA		3", 125 Lb., Cast Bronze, Screwed, Reducing Tee	849.16	99.51
22 11 16 00-1474	EA		4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,314.59	132.61
22 11 16 00-1475			125 Lb. Cast Bronze, Screwed, Crosses (22 11 16 00-1414)		
22 11 16 00-1476	EA		1/2", 125 Lb., Cast Bronze, Screwed, Cross	132.60	55.31
22 11 16 00-1477	EA		3/4", 125 Lb., Cast Bronze, Screwed, Cross	153.09	60.76
22 11 16 00-1478	EA		1", 125 Lb., Cast Bronze, Screwed, Cross	192.53	71.85
22 11 16 00-1479	EA		1-1/4", 125 Lb., Cast Bronze, Screwed, Cross	237.35	77.41
22 11 16 00-1480	EA		1-1/2", 125 Lb., Cast Bronze, Screwed, Cross	279.58	82.96
22 11 16 00-1481	EA		2", 125 Lb., Cast Bronze, Screwed, Cross	404.31	88.41
22 11 16 00-1482	EA		2-1/2", 125 Lb., Cast Bronze, Screwed, Cross	651.38	110.51
22 11 16 00-1483	EA		3", 125 Lb., Cast Bronze, Screwed, Cross	896.48	132.61
22 11 16 00-1484	EA		4", 125 Lb., Cast Bronze, Screwed, Cross	1,644.61	176.92
22 11 16 00-1485			125 Lb. Cast Bronze, Screwed, Caps (22 11 16 00-1414)		
22 11 16 00-1486	EA		1/2" 125 Lb. Cast Bronze, Screwed, Cap	31.15	16.44
22 11 16 00-1487	EA		3/4" 125 Lb. Cast Bronze, Screwed, Cap	35.25	18.11
22 11 16 00-1488	EA		1" 125 Lb. Cast Bronze, Screwed, Cap	46.62	21.32
22 11 16 00-1489	EA		1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	59.99	22.99
22 11 16 00-1490	EA		1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	70.39	24.65
22 11 16 00-1491	EA		2" 125 Lb. Cast Bronze, Screwed, Cap	96.46	26.32
22 11 16 00-1492	EA		2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	153.61	32.87
22 11 16 00-1493	EA		3" 125 Lb. Cast Bronze, Screwed, Cap	220.28	39.43
22 11 16 00-1494	EA		4" 125 Lb. Cast Bronze, Screwed, Cap	385.82	52.53
22 11 16 00-1495			125 Lb. Cast Bronze, Screwed, Couplings (22 11 16 00-1414)		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1496	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	63.17	27.65
22 11 16 00-1497	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	71.85	30.43
22 11 16 00-1498	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	90.75	35.98
22 11 16 00-1499	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	108.87	38.65
22 11 16 00-1500	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	123.86	41.43
22 11 16 00-1501	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	156.13	44.20
22 11 16 00-1502	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	220.74	55.31
22 11 16 00-1503	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	285.38	66.31
22 11 16 00-1504	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	491.65	88.41
22 11 16 00-1505		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers		
		(22 11 16 00-1414)		
22 11 16 00-1506	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	55.76	22.11
22 11 16 00-1507	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	63.69	24.87
22 11 16 00-1508	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	86.43	33.20
22 11 16 00-1509	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	103.24	35.98
22 11 16 00-1510	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	116.93	38.65
22 11 16 00-1511	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	141.41	41.43
22 11 16 00-1512	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	206.08	52.53
22 11 16 00-1513	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	249.99	60.76
22 11 16 00-1514	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	434.85	80.18
22 11 16 00-1515		125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers		
		(22 11 16 00-1414)		
22 11 16 00-1516	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	57.06	22.11
22 11 16 00-1517	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	103.09	30.43
22 11 16 00-1518	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	135.24	33.20
22 11 16 00-1519	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	158.34	35.98
22 11 16 00-1520	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	211.22	41.43
22 11 16 00-1521	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	325.11	52.53
22 11 16 00-1522	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	392.81	55.31
22 11 16 00-1523	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	445.96	71.85
22 11 16 00-1524		125 Lb. Cast Bronze, FIP Threaded, Unions		
		(22 11 16 00-1414)		
22 11 16 00-1525	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	69.40	22.11
		For 150 Lb., Add	10.07	
22 11 16 00-1526	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union	83.26	24.32
		For 150 Lb., Add	13.85	
22 11 16 00-1527	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union	103.14	28.76
		For 150 Lb., Add	18.26	
22 11 16 00-1528	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union	127.99	30.99
		For 150 Lb., Add	26.43	
22 11 16 00-1529	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	145.06	33.20
		For 150 Lb., Add	31.49	
22 11 16 00-1530	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union	171.35	37.54
		For 150 Lb., Add	38.47	
22 11 16 00-1531	EA	2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	295.96	55.53
		For 150 Lb., Add	73.96	
		For 250 Lb., Add	157.17	
		For 300 Lb., Add	221.88	
22 11 16 00-1532	EA	3" 125 Lb. Cast Bronze, FIP Threaded, Union	431.72	73.02
		For 150 Lb., Add	114.27	
		For 250 Lb., Add	242.82	
		For 300 Lb., Add	342.80	
22 11 16 00-1533	EA	4" 125 Lb. Cast Bronze, FIP Threaded, Union	791.95	80.86
		For 150 Lb., Add	252.05	
		For 250 Lb., Add	535.61	
		For 300 Lb., Add	756.16	
22 11 16 00-1534		125 Lb. Cast Bronze, Screwed, Companion Flanges		
		(22 11 16 00-1414)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-1535	EA	1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	194.81	27.65
22 11 16 00-1536	EA	3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	212.29	33.20
22 11 16 00-1537	EA	1" 125 Lb. Cast Bronze, Screwed, Companion Flange	243.34	38.65
22 11 16 00-1538	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	277.51	41.43
22 11 16 00-1539	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	328.80	44.20
22 11 16 00-1540	EA	2" 125 Lb. Cast Bronze, Screwed, Companion Flange	414.50	46.98
22 11 16 00-1541	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	522.63	55.31
22 11 16 00-1542	EA	3" 125 Lb. Cast Bronze, Screwed, Companion Flange	647.57	69.09
22 11 16 00-1543	EA	4" 125 Lb. Cast Bronze, Screwed, Companion Flange	923.18	96.74
22 11 16 00-1544		125 Lb. Cast Bronze, Screwed, Square Head Plugs		
		(22 11 16 00-1414)		
22 11 16 00-1545	EA	1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	19.11	
22 11 16 00-1546	EA	3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	19.70	
22 11 16 00-1547	EA	1" 125 Lb. Cast Bronze, Screwed, Square Head Plug	30.36	
22 11 16 00-1548	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	35.09	
22 11 16 00-1549	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	39.97	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1550 EA 2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	60.09	
22 11 16 00-1551 EA 2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	91.02	
22 11 16 00-1552 EA 3" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	133.40	
22 11 16 00-1553 EA 4" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	226.30	
22 11 16 00-1554 125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs (22 11 16 00-1414)		
22 11 16 00-1555 EA 1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	7.89	
22 11 16 00-1556 EA 3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	9.44	
22 11 16 00-1557 EA 1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	14.19	
22 11 16 00-1558 EA 1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	22.05	
22 11 16 00-1559 EA 1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	34.92	
22 11 16 00-1560 EA 2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	54.12	
22 11 16 00-1561 EA 2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	105.33	
22 11 16 00-1562 EA 3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	170.59	
22 11 16 00-1563 EA 4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	416.06	
22 11 16 00-1564 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings (22 11 16 00-1414)		
22 11 16 00-1565 EA 1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	6.28	
22 11 16 00-1566 EA 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	7.89	
22 11 16 00-1567 EA 1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	11.04	
22 11 16 00-1568 EA 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	18.90	
22 11 16 00-1569 EA 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	26.78	
22 11 16 00-1570 EA 2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	33.09	
22 11 16 00-1571 EA 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	83.43	
22 11 16 00-1572 EA 3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	122.81	
22 11 16 00-1573 EA 4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	268.99	
22 11 16 00-1574 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1414)		
22 11 16 00-1575 EA 1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	11.04	
22 11 16 00-1576 EA 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	15.72	
22 11 16 00-1577 EA 1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	27.41	
22 11 16 00-1578 EA 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	37.22	
22 11 16 00-1579 EA 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	46.53	
22 11 16 00-1580 EA 2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	58.63	
22 11 16 00-1581 EA 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	119.70	
22 11 16 00-1582 EA 3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	189.39	
22 11 16 00-1583 EA 4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	397.98	
22 11 16 00-1584 1/2" Red Brass Pipe Nipples (22 11 16 00-1414)		
Note: Threaded both ends.		
22 11 16 00-1585 EA 1/2" Diameter x Close, Red Brass Pipe Nipple.....	10.57	
22 11 16 00-1586 EA 1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple.....	12.37	
22 11 16 00-1587 EA 1/2" Diameter x 2" Long, Red Brass Pipe Nipple.....	15.15	
22 11 16 00-1588 EA 1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple.....	18.00	
22 11 16 00-1589 EA 1/2" Diameter x 3" Long, Red Brass Pipe Nipple.....	20.85	
22 11 16 00-1590 EA 1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple.....	24.61	
22 11 16 00-1591 EA 1/2" Diameter x 4" Long, Red Brass Pipe Nipple.....	27.60	
22 11 16 00-1592 EA 1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple.....	30.31	
22 11 16 00-1593 EA 1/2" Diameter x 5" Long, Red Brass Pipe Nipple.....	33.16	
22 11 16 00-1594 EA 1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple.....	36.29	
22 11 16 00-1595 EA 1/2" Diameter x 6" Long, Red Brass Pipe Nipple.....	39.07	
22 11 16 00-1596 3/4" Red Brass Pipe Nipples (22 11 16 00-1414)		
Note: Threaded both ends.		
22 11 16 00-1597 EA 3/4" Diameter x Close, Red Brass Pipe Nipple.....	15.43	
22 11 16 00-1598 EA 3/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple.....	16.27	
22 11 16 00-1599 EA 3/4" Diameter x 2" Long, Red Brass Pipe Nipple.....	19.67	
22 11 16 00-1600 EA 3/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple.....	23.15	
22 11 16 00-1601 EA 3/4" Diameter x 3" Long, Red Brass Pipe Nipple.....	26.28	
22 11 16 00-1602 EA 3/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple.....	30.17	
22 11 16 00-1603 EA 3/4" Diameter x 4" Long, Red Brass Pipe Nipple.....	33.92	
22 11 16 00-1604 EA 3/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple.....	38.09	
22 11 16 00-1605 EA 3/4" Diameter x 5" Long, Red Brass Pipe Nipple.....	41.57	
22 11 16 00-1606 EA 3/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple.....	47.89	
22 11 16 00-1607 EA 3/4" Diameter x 6" Long, Red Brass Pipe Nipple.....	50.33	
22 11 16 00-1608 1" Red Brass Pipe Nipples (22 11 16 00-1414)		
Note: Threaded both ends.		
22 11 16 00-1609 EA 1" Diameter x Close, Red Brass Pipe Nipple.....	23.49	
22 11 16 00-1610 EA 1" Diameter x 1-1/2" Long, Red Brass Pipe Nipple.....	25.85	
22 11 16 00-1611 EA 1" Diameter x 2" Long, Red Brass Pipe Nipple.....	28.22	
22 11 16 00-1612 EA 1" Diameter x 2-1/2" Long, Red Brass Pipe Nipple.....	33.57	
22 11 16 00-1613 EA 1" Diameter x 3" Long, Red Brass Pipe Nipple.....	37.95	
22 11 16 00-1614 EA 1" Diameter x 3-1/2" Long, Red Brass Pipe Nipple.....	44.70	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1615	EA	1" Diameter x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA	1" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA	1" Diameter x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA	1" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA	1" Diameter x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620		1-1/4" Red Brass Pipe Nipples (22 11 16 00-1414)		
		Note: Threaded both ends.		
22 11 16 00-1621	EA	1-1/4" Diameter x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA	1-1/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA	1-1/4" Diameter x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA	1-1/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA	1-1/4" Diameter x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1626	EA	1-1/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA	1-1/4" Diameter x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA	1-1/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA	1-1/4" Diameter x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA	1-1/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA	1-1/4" Diameter x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1632		1-1/2" Red Brass Pipe Nipples (22 11 16 00-1414)		
		Note: Threaded both ends.		
22 11 16 00-1633	EA	1-1/2" Diameter x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA	1-1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA	1-1/2" Diameter x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1636	EA	1-1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA	1-1/2" Diameter x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA	1-1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA	1-1/2" Diameter x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA	1-1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA	1-1/2" Diameter x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA	1-1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA	1-1/2" Diameter x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1644		2" Red Brass Pipe Nipples (22 11 16 00-1414)		
		Note: Threaded both ends.		
22 11 16 00-1645	EA	2" Diameter x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1646	EA	2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1647	EA	2" Diameter x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1648	EA	2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1649	EA	2" Diameter x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1650	EA	2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1651	EA	2" Diameter x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1652	EA	2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1653	EA	2" Diameter x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1654	EA	2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1655	EA	2" Diameter x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1656		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega) (22 11 16)		
		Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1657		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing (22 11 16 00-1656)		
22 11 16 00-1658	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	5.41	3.22
22 11 16 00-1659	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	7.12	4.00
22 11 16 00-1660	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	8.37	4.22
22 11 16 00-1661	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	14.26	4.42
22 11 16 00-1662	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	15.49	4.66
22 11 16 00-1663	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	24.06	5.55
22 11 16 00-1664		Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings (22 11 16 00-1656)		
22 11 16 00-1665		Male Adapters (22 11 16 00-1664)		
22 11 16 00-1666	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	21.92	11.99
22 11 16 00-1667	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	31.14	15.88
22 11 16 00-1668	EA	1" Diameter, Male Adapter, Bronze Press Fitting	41.95	19.77
22 11 16 00-1669	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	71.42	25.60
22 11 16 00-1670	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	80.89	31.54
22 11 16 00-1671	EA	2" Diameter, Male Adapter, Bronze Press Fitting	106.72	40.09
22 11 16 00-1672		Female Adapters (22 11 16 00-1664)		
22 11 16 00-1673	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	24.59	11.99
22 11 16 00-1674	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	31.82	15.88
22 11 16 00-1675	EA	1" Diameter, Female Adapter, Bronze Press Fitting	47.38	19.77



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1676	Tees (22 11 16 00-1664)	
22 11 16 00-1677 EA 1/2" Diameter, Tee, Bronze Press Fitting.....	37.06	19.77
22 11 16 00-1678 EA 5/8" Diameter, Tee, Bronze Press Fitting.....	44.53	23.88
22 11 16 00-1679 EA 3/4" Diameter, Tee, Bronze Press Fitting.....	46.06	23.88
22 11 16 00-1680 EA 1" Diameter, Tee, Bronze Press Fitting.....	71.14	31.54
22 11 16 00-1681 EA 1-1/4" Diameter, Tee, Bronze Press Fitting.....	113.74	39.63
22 11 16 00-1682 EA 1-1/2" Diameter, Tee, Bronze Press Fitting.....	136.83	47.76
22 11 16 00-1683 EA 2" Diameter, Tee, Bronze Press Fitting.....	179.34	59.31
22 11 16 00-1684 EA 3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting.....	46.06	23.88
22 11 16 00-1685 EA 1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting.....	65.33	31.54
22 11 16 00-1686 EA 1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting.....	105.25	39.63
22 11 16 00-1687 EA 1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting.....	127.96	47.76
22 11 16 00-1688 EA 1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting.....	135.11	47.76
22 11 16 00-1689 EA 2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting.....	168.36	59.31
22 11 16 00-1690	Couplings (22 11 16 00-1664)	
22 11 16 00-1691 EA 1/2" Diameter, Coupling, Bronze Press Fitting.....	22.03	11.99
22 11 16 00-1692 EA 5/8" Diameter, Coupling, Bronze Press Fitting.....	31.14	15.88
22 11 16 00-1693 EA 3/4" Diameter, Coupling, Bronze Press Fitting.....	30.68	15.88
22 11 16 00-1694 EA 1" Diameter, Coupling, Bronze Press Fitting.....	42.72	19.77
22 11 16 00-1695 EA 1-1/4" Diameter, Coupling, Bronze Press Fitting.....	70.08	25.60
22 11 16 00-1696 EA 1-1/2" Diameter, Coupling, Bronze Press Fitting.....	91.79	31.54
22 11 16 00-1697 EA 2" Diameter, Coupling, Bronze Press Fitting.....	121.84	40.09
22 11 16 00-1698 EA 3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting.....	34.12	15.88
22 11 16 00-1699 EA 1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting.....	42.33	19.77
22 11 16 00-1700 EA 1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting.....	64.42	25.60
22 11 16 00-1701 EA 1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting.....	83.11	31.54
22 11 16 00-1702 EA 1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting.....	86.43	31.54
22 11 16 00-1703 EA 2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting.....	114.40	40.09
22 11 16 00-1704	90 Degree Elbows (22 11 16 00-1664)	
22 11 16 00-1705 EA 1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	23.83	11.88
22 11 16 00-1706 EA 5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	31.14	15.88
22 11 16 00-1707 EA 3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	32.47	15.88
22 11 16 00-1708 EA 1" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	49.87	19.77
22 11 16 00-1709 EA 1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	80.21	25.60
22 11 16 00-1710 EA 1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	100.69	31.54
22 11 16 00-1711 EA 2" Diameter, 90 Degree Elbow, Bronze Press Fitting.....	134.21	40.09
22 11 19	Domestic Water Piping Specialties (22 11) See CSI section 23 21 16 00-0000 for additional piping specialties.	
22 11 19 00-0001	Rubber Hose And Clamps (22 11 19)	
22 11 19 00-0002	General Purpose Hose (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.	
22 11 19 00-0003 LF 3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.05	2.40
22 11 19 00-0004 LF 1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.49	2.40
22 11 19 00-0005 LF 5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.65	2.40
22 11 19 00-0006 LF 3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.76	2.40
22 11 19 00-0007 LF 1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	16.12	3.60
22 11 19 00-0008 LF 1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	26.84	3.60
22 11 19 00-0009 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	29.18	4.80
22 11 19 00-0010 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	56.24	4.80
22 11 19 00-0011	Reinforced EPDM Water Hose Assembly (22 11 19 00-0001) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.	
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	74.82	4.80
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	88.32	4.80
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	124.19	5.90
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	174.54	7.98
22 11 19 00-0016	Chemical Resistant Rubber Hoses (22 11 19 00-0001)	
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,352.09	299.47
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,845.54	299.47
22 11 19 00-0019	Water Pump Hose (22 11 19 00-0001)	
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	632.87	73.32
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	670.48	73.32

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0022			Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)		
22 11 19 00-0023	EA		3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.84	10.08
22 11 19 00-0024	EA		1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.67	10.80
22 11 19 00-0025	EA		5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	35.00	11.52
22 11 19 00-0026	EA		3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	39.01	12.96
22 11 19 00-0027	EA		1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	47.53	15.84
22 11 19 00-0028	EA		1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	56.20	18.96
22 11 19 00-0029	EA		1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	72.21	24.95
22 11 19 00-0030	EA		2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	91.00	31.20
22 11 19 00-0031			Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0032	EA		3/8" To 1" Diameter, Worm Drive Hose Clamp	12.61	3.60
22 11 19 00-0033	EA		1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	13.34	3.60
22 11 19 00-0034	EA		5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	14.12	3.60
22 11 19 00-0035	EA		3/4" To 2" Diameter, Worm Drive Hose Clamp	15.03	3.60
22 11 19 00-0036	EA		1" To 2-1/2" Diameter, Worm Drive Hose Clamp	16.06	3.60
22 11 19 00-0037	EA		1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	17.40	4.80
22 11 19 00-0038	EA		1-1/2" To 3" Diameter, Worm Drive Hose Clamp	18.78	4.80
22 11 19 00-0039			Trap Primer And Accessories (22 11 19)		
22 11 19 00-0040			Trap Primer (22 11 19 00-0039)		
22 11 19 00-0041	EA		1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	340.43	18.09
22 11 19 00-0042	EA		1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	208.37	12.06
22 11 19 00-0043	EA		1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	201.64	12.06
22 11 19 00-0044			Trap Primer Distribution Unit (22 11 19 00-0039)		
22 11 19 00-0045	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	168.75	24.12
			Note: Can be used for two, three or four drains.		
22 11 19 00-0046	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	186.88	24.12
			Note: Can be used for two, three or four drains.		
22 11 19 00-0047			Trap Primer Manifold (22 11 19 00-0039)		
22 11 19 00-0048	EA		Two Outlet Trap Primer Manifold	272.46	32.44
22 11 19 00-0049	EA		Four Outlet Trap Primer Manifold	415.06	36.91
22 11 19 00-0050	EA		Six Outlet Trap Primer Manifold	554.83	39.08
22 11 19 00-0051	EA		Eight Outlet Trap Primer Manifold	698.76	45.83
22 11 19 00-0052			Sewage Air Release Valves (22 11 19)		
22 11 19 00-0053			Cast Iron, Sewage Air Release Valves (22 11 19 00-0052)		
			Note: Stainless steel float.		
22 11 19 00-0054	EA		2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,180.08	44.04
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0055	EA		3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,440.70	73.60
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0056	EA		4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,827.07	92.91
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0057			Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052)		
			Note: Stainless steel float.		
22 11 19 00-0058	EA		2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,206.08	44.04
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0059	EA		2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	2,382.58	44.04
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0060	EA		3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,851.20	73.60
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0061	EA		4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	4,228.82	92.91
22 11 19 00-0062			Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052)		
			Note: Stainless steel float.		
22 11 19 00-0063	EA		2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,597.08	44.04
22 11 19 00-0064	EA		2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	3,588.33	44.04
22 11 19 00-0065	EA		3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	4,190.20	73.60
22 11 19 00-0066	EA		4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	5,122.57	92.91
22 11 19 00-0067			Brass, Anti Siphon Vacuum Breakers (22 11 19)		
			Note: Watts 288A		
22 11 19 00-0068	EA		1/2" Brass, Anti Siphon Vacuum Breaker	117.71	30.16
22 11 19 00-0069	EA		3/4" Brass, Anti Siphon Vacuum Breaker	135.54	33.77
22 11 19 00-0070	EA		1" Brass, Anti Siphon Vacuum Breaker	285.72	38.59



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	458.86	44.62
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	548.38	49.45
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	806.02	60.31
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,135.12	75.39
22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers (22 11 19)				
Note: Watts 800M4QT				
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	360.84	30.16
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	313.60	33.77
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	451.09	38.59
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	822.68	44.62
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,002.41	49.45
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,009.40	60.31
22 11 19 00-0082 Bellows Type Water Hammer Arrestors (22 11 19)				
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	301.11	14.42
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	589.88	17.45
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	863.62	17.45
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	2,113.34	17.45
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,374.06	17.45
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,910.13	17.45
22 11 19 00-0089 Piston Type Water Hammer Arrestors (22 11 19)				
22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0089)				
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	201.97	8.04
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	390.33	9.27
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	581.53	10.05
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,435.17	12.97
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,747.86	16.09
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,989.27	17.45
22 11 19 00-0097 Escutcheons (22 11 19)				
22 11 19 00-0098 Brass Escutcheons (22 11 19 00-0097)				
22 11 19 00-0099 Shallow Brass Escutcheons (22 11 19 00-0098)				
22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	13.93	3.02
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.04	3.02
22 11 19 00-0102 Deep Bell Brass Escutcheons (22 11 19 00-0098)				
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.47	3.38
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.51	3.38
22 11 19 00-0105 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0098)				
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.22	3.02
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.46	3.02
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.80	3.02
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.04	3.02
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.43	3.61
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.63	3.61
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.58	3.98
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.81	4.22
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	39.81	4.82
22 11 19 00-0115 Plastic Escutcheons (22 11 19 00-0097)				
22 11 19 00-0116 Split-Ring White Plastic Escutcheons (22 11 19 00-0115)				
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.50	3.00
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.50	3.00
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	8.80	3.36
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	9.53	3.60
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.26	3.96

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	10.95	4.20	
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon.....	12.33	4.80	
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	16.07	5.16	
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon.....	19.81	5.40	
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon.....	24.14	6.00	
22 11 19 00-0127		Chrome Plate Plastic Escutcheons (22 11 19 00-0115)			
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon.....	10.07	3.00	
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon.....	11.00	3.36	
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon.....	12.37	3.60	
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	13.74	3.96	
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	14.45	4.20	
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon.....	18.29	4.80	
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	26.81	5.16	
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon.....	27.74	5.40	
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon.....	29.60	6.00	
22 11 19 00-0137		Stainless Steel Escutcheons (22 11 19 00-0097)			
22 11 19 00-0138		Shallow Stainless Steel Escutcheons (22 11 19 00-0137)			
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon.....	19.47	3.02	
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon.....	19.47	3.02	
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon.....	27.90	3.38	
22 11 19 00-0142		Chrome Plated Steel Escutcheons (22 11 19 00-0097)			
22 11 19 00-0143		Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.71	3.00	
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.31	3.36	
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.04	3.60	
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.64	3.96	
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.24	4.20	
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.65	4.80	
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.99	5.16	
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.97	5.40	
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	20.87	5.76	
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	18.51	6.00	
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	23.84	6.60	
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	27.79	7.20	
22 11 19 00-0156		Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.67	3.00	
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.67	3.00	
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.42	3.36	
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.82	3.60	
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.65	3.96	
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	14.45	4.20	
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.13	4.80	
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	19.69	5.16	
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	24.03	5.40	
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.50	5.76	
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.96	6.00	
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	49.36	6.60	
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	51.54	7.20	
22 11 19 00-0170		Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.20	3.38	
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.09	3.38	
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.84	3.38	
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.72	3.61	
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.46	3.98	
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.42	4.22	
22 11 19 00-0177		Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.38	3.02	
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.38	3.02	
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.50	3.02	
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.02	3.61	
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.68	3.98	
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.62	4.22	
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	10.90	4.82	
22 11 19 00-0185		Wall Hydrants (22 11 19)			
Note: Female inlet connection, 3/4" hose thread outlet.					



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0186 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0187 EA 6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	436.65	30.16
For Cast Bronze Box, Add	19.48	
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0188 EA 12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	468.23	36.19
For Cast Bronze Box, Add	19.48	
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0189 EA 18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	492.93	43.55
For Cast Bronze Box, Add	19.48	
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0190 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	493.99	50.66
For Cast Bronze Box, Add	19.48	
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0192 Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0185) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0193 EA 3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	289.72	37.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0194 EA 4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	339.04	37.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0195 EA 6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	339.04	37.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0196 EA 8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	339.04	37.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0197 EA 10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	350.53	75.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0198 EA 12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	350.53	75.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0199 EA 18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	384.86	75.39
For 1" NPT Outlet, Add	45.92	
22 11 19 00-0200 Stainless Steel Box Type Wall Hydrants (22 11 19 00-0185) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	245.23	30.16
22 11 19 00-0202 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	262.44	30.16
22 11 19 00-0203 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	264.79	30.16
22 11 19 00-0204 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	290.60	30.16
22 11 19 00-0205 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	397.53	42.22
Note: Includes hot and cold hose connections.		
22 11 19 00-0206 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	407.70	42.22
Note: Includes hot and cold hose connections.		
22 11 19 00-0207 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	407.70	42.22
Note: Includes hot and cold hose connections.		
22 11 19 00-0208 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	431.95	42.22
Note: Includes hot and cold hose connections.		
22 11 19 00-0209 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0210 Dryer Vent Kit (22 11 19 00-0209) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	85.06	15.68
22 11 19 00-0212 Washer Boxes And Dryer Vents (22 11 19 00-0209) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213 EA 2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	298.24	24.12
22 11 19 00-0214 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215 EA Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount.....	159.85	24.12
22 11 19 00-0216 EA Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	162.96	24.12
22 11 19 00-0217 EA Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	244.19	24.12
22 11 19 00-0218 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0219 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220 EA 1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	605.06	29.20

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0221 EA 1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	159.26	29.20
22 11 19 00-0222 EA 1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	339.30	29.20
22 11 19 00-0223 EA 3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	387.09	39.33
22 11 19 00-0224 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225 EA 3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,658.60	42.11
22 11 19 00-0226 EA 3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,859.76	51.87
22 11 19 00-0227 EA 1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	2,236.64	60.33
22 11 19 00-0228 EA 1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,905.51	63.41
22 11 19 00-0229 EA 2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,901.98	82.26
22 11 19 00-0230 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231 EA 3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,245.95	64.85
22 11 19 00-0232 EA 1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,530.07	75.41
22 11 19 00-0233 EA 1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,453.05	79.26
22 11 19 00-0234 EA 2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	7,142.77	102.83
22 11 19 00-0235 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0218) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236 EA 3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF)	1,440.51	42.11
22 11 19 00-0237 EA 1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF)	1,693.85	51.86
22 11 19 00-0238 EA 1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF)	2,084.92	60.33
22 11 19 00-0239 EA 1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF)	2,558.76	63.43
22 11 19 00-0240 EA 2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF)	3,812.45	82.26
22 11 19 00-0241 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0218) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242 EA 3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,408.00	60.31
22 11 19 00-0243 EA 1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,607.01	75.99
22 11 19 00-0244 EA 1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,970.03	91.66
22 11 19 00-0245 EA 1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,367.66	107.34
22 11 19 00-0246 EA 2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,198.79	141.12
22 11 19 00-0247 EA 2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	6,145.00	160.93
22 11 19 00-0248 Thermostatic Mixing Valves (Holby) (22 11 19 00-0218)		
22 11 19 00-0249 EA 2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,661.11	82.29
22 11 19 00-0250 Backflow Preventer Valves (22 11 19)		
22 11 19 00-0251 Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0250)		
22 11 19 00-0252 Threaded Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0253 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254 EA 1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	495.90	32.32
For Work In Restricted Working Space, Add	24.24	
For Owner Furnished Material, Deduct	-415.09	
22 11 19 00-0255 EA 3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	583.18	45.83
For Work In Restricted Working Space, Add	34.37	
For Owner Furnished Material, Deduct	-468.60	
22 11 19 00-0256 EA 1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	671.58	55.97
For Work In Restricted Working Space, Add	41.97	
For Owner Furnished Material, Deduct	-531.67	



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0257	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	943.93	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-781.10	
22 11 19 00-0258	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,170.67	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-984.92	
22 11 19 00-0259	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,345.44	96.49
		For Work In Restricted Working Space, Add	72.37	
		For Owner Furnished Material, Deduct	-1,104.22	
22 11 19 00-0260		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	614.68	32.32
		For Work In Restricted Working Space, Add	24.24	
		For Owner Furnished Material, Deduct	-533.87	
22 11 19 00-0262	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	757.14	45.83
		For Work In Restricted Working Space, Add	34.37	
		For Owner Furnished Material, Deduct	-642.56	
22 11 19 00-0263	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	884.85	55.97
		For Work In Restricted Working Space, Add	41.97	
		For Owner Furnished Material, Deduct	-744.94	
22 11 19 00-0264	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,247.81	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-1,084.98	
22 11 19 00-0265	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,528.58	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-1,342.83	
22 11 19 00-0266	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,839.58	96.49
		For Work In Restricted Working Space, Add	72.37	
		For Owner Furnished Material, Deduct	-1,598.36	
22 11 19 00-0267		Flanged Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0268		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	6,779.99	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-6,424.58	
22 11 19 00-0270	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	7,449.14	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-7,054.86	
22 11 19 00-0271		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,433.01	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-7,077.60	
22 11 19 00-0273	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	8,537.50	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-8,143.22	
22 11 19 00-0274		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,827.08	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-6,471.69	
22 11 19 00-0276	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,191.77	299.88
		For Work In Restricted Working Space, Add	118.29	
		For Owner Furnished Material, Deduct	-4,797.48	
22 11 19 00-0277	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	8,130.96	444.26
		For Work In Restricted Working Space, Add	177.61	
		For Owner Furnished Material, Deduct	-7,538.93	
22 11 19 00-0278	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	12,365.57	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-11,141.06	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0279	EA		8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,331.04	1,016.79
			<i>For Work In Restricted Working Space, Add</i>	551.12	
			<i>For Owner Furnished Material, Deduct</i>	-26,493.97	
22 11 19 00-0280	EA		10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,403.02	1,202.64
			<i>For Work In Restricted Working Space, Add</i>	655.99	
			<i>For Owner Furnished Material, Deduct</i>	-34,216.38	
22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0267)					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).					
22 11 19 00-0282	EA		4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,510.04	444.26
			<i>For Work In Restricted Working Space, Add</i>	177.59	
			<i>For Owner Furnished Material, Deduct</i>	-8,918.07	
22 11 19 00-0283	EA		6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,831.29	677.86
			<i>For Work In Restricted Working Space, Add</i>	367.35	
			<i>For Owner Furnished Material, Deduct</i>	-14,606.78	
22 11 19 00-0284	EA		10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,315.55	1,202.64
			<i>For Work In Restricted Working Space, Add</i>	655.99	
			<i>For Owner Furnished Material, Deduct</i>	-40,128.91	
22 11 19 00-0285 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267)					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).					
22 11 19 00-0286	EA		2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,254.30	266.55
			<i>For Work In Restricted Working Space, Add</i>	106.62	
			<i>For Owner Furnished Material, Deduct</i>	-6,898.91	
22 11 19 00-0287	EA		3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,970.57	299.88
			<i>For Work In Restricted Working Space, Add</i>	118.28	
			<i>For Owner Furnished Material, Deduct</i>	-7,576.29	
22 11 19 00-0288	EA		4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,631.22	444.26
			<i>For Work In Restricted Working Space, Add</i>	177.59	
			<i>For Owner Furnished Material, Deduct</i>	-8,039.25	
22 11 19 00-0289	EA		6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,492.77	677.86
			<i>For Work In Restricted Working Space, Add</i>	367.35	
			<i>For Owner Furnished Material, Deduct</i>	-13,268.26	
22 11 19 00-0290	EA		8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,097.35	1,016.79
			<i>For Work In Restricted Working Space, Add</i>	551.03	
			<i>For Owner Furnished Material, Deduct</i>	-28,260.57	
22 11 19 00-0291	EA		10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,682.45	1,202.64
			<i>For Work In Restricted Working Space, Add</i>	655.99	
			<i>For Owner Furnished Material, Deduct</i>	-36,495.81	
22 11 19 00-0292 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267)					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).					
22 11 19 00-0293	EA		2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,302.89	266.55
			<i>For Work In Restricted Working Space, Add</i>	106.62	
			<i>For Owner Furnished Material, Deduct</i>	-3,947.50	
22 11 19 00-0294	EA		3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,736.76	299.88
			<i>For Work In Restricted Working Space, Add</i>	118.28	
			<i>For Owner Furnished Material, Deduct</i>	-4,342.48	
22 11 19 00-0295	EA		4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,329.43	444.26
			<i>For Work In Restricted Working Space, Add</i>	177.59	
			<i>For Owner Furnished Material, Deduct</i>	-4,737.46	
22 11 19 00-0296	EA		6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,632.19	677.86
			<i>For Work In Restricted Working Space, Add</i>	367.35	
			<i>For Owner Furnished Material, Deduct</i>	-7,407.68	
22 11 19 00-0297	EA		8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,482.39	1,016.79
			<i>For Work In Restricted Working Space, Add</i>	551.03	
			<i>For Owner Furnished Material, Deduct</i>	-14,645.61	
22 11 19 00-0298	EA		10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,858.48	1,202.64
			<i>For Work In Restricted Working Space, Add</i>	655.99	
			<i>For Owner Furnished Material, Deduct</i>	-15,671.84	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0299 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0300 EA 2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,703.55	266.55
For Work In Restricted Working Space, Add	106.62	
For Owner Furnished Material, Deduct	-5,348.16	
22 11 19 00-0301 EA 3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,137.42	299.88
For Work In Restricted Working Space, Add	118.28	
For Owner Furnished Material, Deduct	-5,743.14	
22 11 19 00-0302 EA 4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	7,669.97	444.26
For Work In Restricted Working Space, Add	177.59	
For Owner Furnished Material, Deduct	-7,078.00	
22 11 19 00-0303 EA 6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,550.37	677.86
For Work In Restricted Working Space, Add	367.35	
For Owner Furnished Material, Deduct	-11,325.86	
22 11 19 00-0304 EA 8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,289.53	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-20,452.75	
22 11 19 00-0305 EA 10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,524.19	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-24,337.55	
22 11 19 00-0306 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0307 EA 2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,024.31	266.55
For Work In Restricted Working Space, Add	106.62	
For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0308 EA 3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,470.84	299.88
For Work In Restricted Working Space, Add	118.28	
For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0309 EA 4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,076.02	444.26
For Work In Restricted Working Space, Add	177.59	
For Owner Furnished Material, Deduct	-4,484.05	
22 11 19 00-0310 EA 6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,433.12	677.86
For Work In Restricted Working Space, Add	367.35	
For Owner Furnished Material, Deduct	-7,208.61	
22 11 19 00-0311 EA 8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	16,290.54	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-14,453.76	
22 11 19 00-0312 EA 10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	18,394.13	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-16,207.49	
22 11 19 00-0313 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0314 EA 2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,307.52	266.55
For Work In Restricted Working Space, Add	106.62	
For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0315 EA 3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,741.38	299.88
For Work In Restricted Working Space, Add	118.28	
For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0316 EA 4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	7,274.43	444.26
For Work In Restricted Working Space, Add	177.59	
For Owner Furnished Material, Deduct	-6,682.46	
22 11 19 00-0317 EA 6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	12,129.08	677.86
For Work In Restricted Working Space, Add	367.35	
For Owner Furnished Material, Deduct	-10,904.57	
22 11 19 00-0318 EA 8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	21,651.86	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-19,815.08	
22 11 19 00-0319 EA 10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	25,884.65	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-23,698.01	
22 11 19 00-0320 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0321	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,683.17	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-4,327.78	
22 11 19 00-0322	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,117.04	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-4,722.76	
22 11 19 00-0323	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,709.71	444.26
		For Work In Restricted Working Space, Add	177.59	
		For Owner Furnished Material, Deduct	-5,117.74	
22 11 19 00-0324	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	9,022.05	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-7,797.54	
22 11 19 00-0325	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,872.25	1,016.79
		For Work In Restricted Working Space, Add	551.03	
		For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0326		N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,083.83	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-5,728.44	
22 11 19 00-0328	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	6,517.69	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-6,123.41	
22 11 19 00-0329	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,050.25	444.26
		For Work In Restricted Working Space, Add	177.59	
		For Owner Furnished Material, Deduct	-7,458.28	
22 11 19 00-0330	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	12,940.31	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-11,715.80	
22 11 19 00-0331	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,872.25	1,016.79
		For Work In Restricted Working Space, Add	551.03	
		For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0332		Grooved Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0333		Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,024.31	142.16
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0335	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,470.84	157.71
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0336		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,307.52	142.16
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0338	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,741.38	157.71
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0339		Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0250)		
22 11 19 00-0340		Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0339)		
22 11 19 00-0341		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	552.75	27.98
		For Work In Restricted Working Space, Add	20.99	
		For Owner Furnished Material, Deduct	-482.79	
22 11 19 00-0343	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	583.43	30.87
		For Work In Restricted Working Space, Add	23.16	
		For Owner Furnished Material, Deduct	-506.23	
22 11 19 00-0344	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	680.48	32.32
		For Work In Restricted Working Space, Add	24.24	
		For Owner Furnished Material, Deduct	-599.67	
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	913.23	45.83
		For Work In Restricted Working Space, Add	34.37	
		For Owner Furnished Material, Deduct	-798.65	
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,083.10	55.97
		For Work In Restricted Working Space, Add	41.97	
		For Owner Furnished Material, Deduct	-943.19	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,642.41	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-1,479.58	
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,734.92	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-1,549.17	
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,079.55	96.49
		For Work In Restricted Working Space, Add	72.37	
		For Owner Furnished Material, Deduct	-1,838.33	
22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340)				
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).				
22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	611.19	27.98
		For Work In Restricted Working Space, Add	20.99	
		For Owner Furnished Material, Deduct	-541.23	
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	645.02	30.87
		For Work In Restricted Working Space, Add	23.16	
		For Owner Furnished Material, Deduct	-567.82	
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	764.89	45.83
		For Work In Restricted Working Space, Add	24.24	
		For Owner Furnished Material, Deduct	-684.08	
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,045.89	45.83
		For Work In Restricted Working Space, Add	34.37	
		For Owner Furnished Material, Deduct	-931.31	
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,248.97	55.97
		For Work In Restricted Working Space, Add	41.97	
		For Owner Furnished Material, Deduct	-1,109.06	
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,868.62	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-1,705.79	
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,054.15	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-1,868.40	
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,471.21	96.49
		For Work In Restricted Working Space, Add	72.37	
		For Owner Furnished Material, Deduct	-2,229.99	
22 11 19 00-0359 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340)				
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).				
22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	913.23	45.83
		For Work In Restricted Working Space, Add	34.37	
		For Owner Furnished Material, Deduct	-798.65	
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,083.10	55.97
		For Work In Restricted Working Space, Add	41.97	
		For Owner Furnished Material, Deduct	-943.19	
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,642.41	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-1,479.58	
22 11 19 00-0363	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,734.92	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-1,549.17	
22 11 19 00-0364	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	2,079.55	96.49
		For Work In Restricted Working Space, Add	72.37	
		For Owner Furnished Material, Deduct	-1,838.33	
22 11 19 00-0365 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340)				
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).				
22 11 19 00-0366	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,898.51	45.83
		For Work In Restricted Working Space, Add	34.37	
		For Owner Furnished Material, Deduct	-1,783.93	
22 11 19 00-0367	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	2,246.69	55.97
		For Work In Restricted Working Space, Add	41.97	
		For Owner Furnished Material, Deduct	-2,106.78	
22 11 19 00-0368	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,463.40	65.13
		For Work In Restricted Working Space, Add	48.85	
		For Owner Furnished Material, Deduct	-3,300.57	
22 11 19 00-0369	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,743.10	74.78
		For Work In Restricted Working Space, Add	55.73	
		For Owner Furnished Material, Deduct	-3,557.35	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0370	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,339.15 72.37 -4,097.93	96.49
22 11 19 00-0371		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0372	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,561.63 34.37 -2,447.05	45.83
22 11 19 00-0373	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,044.65 41.97 -2,904.74	55.97
22 11 19 00-0374	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,647.88 48.85 -4,485.05	65.13
22 11 19 00-0375	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,076.24 55.73 -4,890.49	74.78
22 11 19 00-0376	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,027.28 72.37 -5,786.06	96.49
22 11 19 00-0377		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0378	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,045.89 34.37 -931.31	45.83
22 11 19 00-0379	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,248.97 41.97 -1,109.06	55.97
22 11 19 00-0380	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,868.62 48.85 -1,705.79	65.13
22 11 19 00-0381	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,054.15 55.73 -1,868.40	74.78
22 11 19 00-0382	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,471.21 72.37 -2,229.99	96.49
22 11 19 00-0383		Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0339)		
22 11 19 00-0384		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0385	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,232.56 106.62 -5,877.15	266.55
22 11 19 00-0386	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,023.54 118.28 -6,629.26	299.88
22 11 19 00-0387		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0388	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,437.88 106.62 -7,082.47	266.55
22 11 19 00-0389	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,423.79 118.28 -8,029.51	299.88



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0390		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,693.90	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-6,338.49	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,790.26	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-7,395.98	
22 11 19 00-0393		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,437.88	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-7,082.47	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	8,423.79	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-8,029.51	
22 11 19 00-0396		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,261.46	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-7,906.05	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	9,562.51	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-9,168.23	
22 11 19 00-0399		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,733.81	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-10,378.42	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	12,195.70	299.88
		For Work In Restricted Working Space, Add	118.29	
		For Owner Furnished Material, Deduct	-11,801.41	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	15,345.01	444.26
		For Work In Restricted Working Space, Add	177.61	
		For Owner Furnished Material, Deduct	-14,752.98	
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	23,150.03	677.86
		For Work In Restricted Working Space, Add	514.33	
		For Owner Furnished Material, Deduct	-21,435.60	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	38,419.76	1,016.79
		For Work In Restricted Working Space, Add	771.50	
		For Owner Furnished Material, Deduct	-35,848.11	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	49,666.65	1,202.64
		For Work In Restricted Working Space, Add	655.99	
		For Owner Furnished Material, Deduct	-47,480.01	
22 11 19 00-0406		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer (22 11 19 00-0383) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,570.39	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-11,215.00	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	13,076.13	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-12,681.85	
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	16,694.85	444.26
		For Work In Restricted Working Space, Add	177.59	
		For Owner Furnished Material, Deduct	-16,102.88	
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	25,200.95	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-23,976.44	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0411 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	40,821.80	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-38,985.02	
22 11 19 00-0412 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	55,426.00	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-53,239.36	
22 11 19 00-0413 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0414 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	11,422.56	266.55
For Work In Restricted Working Space, Add	106.62	
For Owner Furnished Material, Deduct	-11,067.17	
22 11 19 00-0415 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	12,985.17	299.88
For Work In Restricted Working Space, Add	118.29	
For Owner Furnished Material, Deduct	-12,590.88	
22 11 19 00-0416 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	16,326.16	444.26
For Work In Restricted Working Space, Add	177.61	
For Owner Furnished Material, Deduct	-15,734.13	
22 11 19 00-0417 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	24,090.38	677.86
For Work In Restricted Working Space, Add	367.35	
For Owner Furnished Material, Deduct	-22,865.87	
22 11 19 00-0418 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	40,075.87	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-38,239.09	
22 11 19 00-0419 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	52,830.21	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-50,643.57	
22 11 19 00-0420 Double Check Detector Assemblies (22 11 19 00-0250)		
22 11 19 00-0421 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0420)		
22 11 19 00-0422 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0423 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,553.82	299.88
For Work In Restricted Working Space, Add	118.28	
For Owner Furnished Material, Deduct	-8,159.54	
22 11 19 00-0424 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,940.84	444.26
For Work In Restricted Working Space, Add	177.59	
For Owner Furnished Material, Deduct	-8,348.87	
22 11 19 00-0425 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,065.81	677.86
For Work In Restricted Working Space, Add	367.35	
For Owner Furnished Material, Deduct	-10,841.30	
22 11 19 00-0426 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	21,433.05	1,016.79
For Work In Restricted Working Space, Add	551.03	
For Owner Furnished Material, Deduct	-19,596.27	
22 11 19 00-0427 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	28,968.13	1,202.64
For Work In Restricted Working Space, Add	655.99	
For Owner Furnished Material, Deduct	-26,781.49	
22 11 19 00-0428 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,400.28	266.55
For Work In Restricted Working Space, Add	106.62	
For Owner Furnished Material, Deduct	-6,044.87	
22 11 19 00-0430 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,833.72	299.88
For Work In Restricted Working Space, Add	118.28	
For Owner Furnished Material, Deduct	-6,439.44	
22 11 19 00-0431 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,435.73	444.26
For Work In Restricted Working Space, Add	177.59	
For Owner Furnished Material, Deduct	-6,843.76	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0432	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,111.06	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-8,886.55	
22 11 19 00-0433	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,900.02	1,016.79
		For Work In Restricted Working Space, Add	551.03	
		For Owner Furnished Material, Deduct	-16,063.24	
22 11 19 00-0434	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,106.99	1,202.64
		For Work In Restricted Working Space, Add	655.99	
		For Owner Furnished Material, Deduct	-18,920.35	
22 11 19 00-0435		Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0421) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0436	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,780.64	266.55
		For Work In Restricted Working Space, Add	106.62	
		For Owner Furnished Material, Deduct	-6,425.23	
22 11 19 00-0437	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,214.08	299.88
		For Work In Restricted Working Space, Add	118.28	
		For Owner Furnished Material, Deduct	-6,819.80	
22 11 19 00-0438	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,816.01	444.26
		For Work In Restricted Working Space, Add	177.59	
		For Owner Furnished Material, Deduct	-7,224.04	
22 11 19 00-0439	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,500.92	677.86
		For Work In Restricted Working Space, Add	367.35	
		For Owner Furnished Material, Deduct	-9,276.41	
22 11 19 00-0440	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,432.27	1,016.79
		For Work In Restricted Working Space, Add	551.03	
		For Owner Furnished Material, Deduct	-15,595.49	
22 11 19 00-0441		Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0420)		
22 11 19 00-0442		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0441) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0443	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,280.19	266.55
		For Work In Restricted Working Space, Add	106.62	
22 11 19 00-0444	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,713.68	299.88
		For Work In Restricted Working Space, Add	118.28	
22 11 19 00-0445	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,315.69	444.26
		For Work In Restricted Working Space, Add	177.59	
22 11 19 00-0446	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,991.02	677.86
		For Work In Restricted Working Space, Add	367.35	
22 11 19 00-0447	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,780.06	1,016.79
		For Work In Restricted Working Space, Add	551.03	
22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,986.86	1,202.64
		For Work In Restricted Working Space, Add	655.99	
22 11 19 00-0449		Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0441) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,660.51	266.55
		For Work In Restricted Working Space, Add	106.62	
22 11 19 00-0451	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,093.96	299.88
		For Work In Restricted Working Space, Add	118.28	
22 11 19 00-0452	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,695.96	444.26
		For Work In Restricted Working Space, Add	177.59	
22 11 19 00-0453	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,380.80	677.86
		For Work In Restricted Working Space, Add	367.35	
22 11 19 00-0454	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,169.92	1,016.79
		For Work In Restricted Working Space, Add	551.03	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0455			Flanged Double Check Detector Assemblies (22 11 19 00-0420)		
22 11 19 00-0456			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs (22 11 19 00-0455) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0457	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	6,062.89	266.55
			For Work In Restricted Working Space, Add	106.62	
			For Owner Furnished Material, Deduct	-5,707.48	
22 11 19 00-0458	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	7,342.17	299.88
			For Work In Restricted Working Space, Add	118.28	
			For Owner Furnished Material, Deduct	-6,947.89	
22 11 19 00-0459	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	8,129.77	444.26
			For Work In Restricted Working Space, Add	177.59	
			For Owner Furnished Material, Deduct	-7,537.80	
22 11 19 00-0460	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	10,246.21	677.86
			For Work In Restricted Working Space, Add	367.35	
			For Owner Furnished Material, Deduct	-9,021.70	
22 11 19 00-0461	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	18,144.41	1,016.79
			For Work In Restricted Working Space, Add	551.03	
			For Owner Furnished Material, Deduct	-16,307.63	
22 11 19 00-0462	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	24,473.52	1,202.64
			For Work In Restricted Working Space, Add	655.99	
			For Owner Furnished Material, Deduct	-22,286.88	
22 11 19 00-0463	EA		12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	32,676.30	1,443.18
			For Work In Restricted Working Space, Add	787.19	
			For Owner Furnished Material, Deduct	-30,052.34	
22 11 19 00-0464			Backflow Preventer Accessories (22 11 19 00-0250)		
22 11 19 00-0465			Air Gap (22 11 19 00-0464)		
22 11 19 00-0466	EA		Up To 1" Diameter Air Gap For Backflow Preventer	140.62	15.08
22 11 19 00-0467	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer	173.14	18.09
22 11 19 00-0468	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer	327.01	24.12
22 11 19 00-0469	EA		4" To 6" Diameter Air Gap For Backflow Preventer	647.90	42.22
22 11 19 00-0470	EA		8" To 10" Diameter Air Gap For Backflow Preventer	684.08	60.31
22 11 19 00-0471			Brass Test Cocks (22 11 19 00-0464)		
22 11 19 00-0472	EA		1/8" Or 1/4" Brass Test Cock	57.26	6.03
22 11 19 00-0473			Backflow Valve Enclosures (22 11 19 00-0250)		
22 11 19 00-0474			Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0473) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0475	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,042.12	108.55
			For Heated Enclosure, Add	265.61	
22 11 19 00-0476	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,537.58	108.55
			For Heated Enclosure, Add	339.93	
22 11 19 00-0477	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,257.14	99.96
			For Heated Enclosure, Add	451.09	
22 11 19 00-0478	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,353.36	133.28
			For Heated Enclosure, Add	453.03	
22 11 19 00-0479	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,521.38	133.28
			For Heated Enclosure, Add	478.23	
22 11 19 00-0480	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,176.26	133.28
			For Heated Enclosure, Add	576.46	
22 11 19 00-0481	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,193.49	133.28
			For Heated Enclosure, Add	579.05	
22 11 19 00-0482	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,309.36	133.28
			For Heated Enclosure, Add	746.43	
22 11 19 00-0483	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	12,343.50	199.91
			For Heated Enclosure, Add	1,776.56	
22 11 19 00-0484	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	17,974.54	199.91
			For Heated Enclosure, Add	2,621.21	
22 11 19 00-0485	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	17,069.78	199.91
			For Heated Enclosure, Add	2,485.50	
22 11 19 00-0486	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	20,561.00	233.24
			For Heated Enclosure, Add	2,996.69	
22 11 19 00-0487			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0473) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0488	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,125.34	28.95
			For Heated Enclosure, Add	215.42	



Plumbing			22
Plumbing Piping			22 10
Facility Water Distribution			22 11

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0489	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,582.03 306.76	28.95
22 11 19 00-0490	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,000.42 391.20	26.66
22 11 19 00-0491	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	3,043.05 599.73	26.66
22 11 19 00-0492	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	7,907.30 1,564.80	49.98
22 11 19 00-0493	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	10,824.07 2,148.15	49.98
22 11 19 00-0494	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	7,183.49 1,420.04	49.98
22 11 19 00-0495	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	8,139.95 1,611.33	49.98
22 11 19 00-0496	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	12,780.07 2,539.35	49.98
22 11 19 00-0497		Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets (22 11 19 00-0473) Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.		
22 11 19 00-0498	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	930.61	108.55
22 11 19 00-0499	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	1,043.92	133.28
22 11 19 00-0500	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,126.33	133.28
22 11 19 00-0501	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,361.18	133.28
22 11 19 00-0502		Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0473) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0503	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,061.62 2,334.27 873.13 1,562.45	199.91
22 11 19 00-0504	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,728.96 2,584.38 873.13 1,562.45	199.91
22 11 19 00-0505	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,545.99 1,806.93 873.13 1,562.45	199.91
22 11 19 00-0506	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,778.19 1,991.76 873.13 1,562.45	199.91
22 11 19 00-0507	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,999.87 2,300.02 873.13 1,562.45	266.55
22 11 19 00-0508	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,973.10 2,596.01 873.13 1,562.45	266.55
22 11 19 00-0509	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,973.10 2,596.01 873.13 1,562.45	266.55
22 11 19 00-0510	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,886.02 2,882.95 873.13 1,562.45	266.55
22 11 19 00-0511	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,899.80 2,147.51 873.13 1,562.45	233.24
22 11 19 00-0512	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,451.79 2,517.81 873.13 1,562.45	266.55
22 11 19 00-0513	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	20,437.49 2,965.67 873.13 1,562.45	266.55
22 11 19 00-0514	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	22,443.77 3,260.36 873.13 1,562.45	283.21

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0515	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	22,939.23	283.21
		For Heated Enclosure, Add	3,334.68	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0516	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	25,445.27	299.88
		For Heated Enclosure, Add	3,704.34	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0517	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	26,431.88	299.88
		For Heated Enclosure, Add	3,852.33	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0518	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	19,144.98	266.55
		For Heated Enclosure, Add	2,771.79	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0519	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	20,424.56	266.55
		For Heated Enclosure, Add	2,963.73	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0520	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	23,128.80	283.21
		For Heated Enclosure, Add	3,363.11	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0521	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	28,073.37	299.88
		For Heated Enclosure, Add	4,098.55	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0522	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	24,458.65	299.88
		For Heated Enclosure, Add	3,556.34	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0523	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	29,433.37	316.53
		For Heated Enclosure, Add	4,296.31	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0524	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	28,446.76	316.53
		For Heated Enclosure, Add	4,148.31	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0525	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	32,982.04	333.19
		For Heated Enclosure, Add	4,822.36	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0526	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	30,461.64	333.19
		For Heated Enclosure, Add	4,444.30	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0527	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	35,582.87	349.85
		For Heated Enclosure, Add	5,206.23	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0528	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	35,624.51	366.52
		For Heated Enclosure, Add	5,206.23	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0529	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	42,279.51	383.17
		For Heated Enclosure, Add	6,198.24	
		For One 24" Fluorescent Light Fixture, Add	873.13	
		For Two 24" Fluorescent Light Fixture, Add	1,562.45	
22 11 19 00-0530		Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0531		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0530)		
22 11 19 00-0532	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	66.20	12.06
22 11 19 00-0533	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	76.34	13.27
22 11 19 00-0534	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	19.96	9.05
22 11 19 00-0535		Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0530)		
22 11 19 00-0536	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	229.82	36.91
22 11 19 00-0537		Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0530)		
22 11 19 00-0538	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	140.59	30.16
22 11 19 00-0539	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	152.52	33.41
22 11 19 00-0540	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	161.43	35.34
22 11 19 00-0541	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	170.33	37.87
22 11 19 00-0542	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	179.36	40.16
22 11 19 00-0543		Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0544	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	407.72	36.00



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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0545	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	455.69		36.00
22 11 19 00-0546	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	527.63		36.00
22 11 19 00-0547	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	503.67		48.00
22 11 19 00-0548	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	575.62		48.00
22 11 19 00-0549	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	597.20		48.00
22 11 19 00-0550	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	484.47		36.00
22 11 19 00-0551	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	589.99		36.00
22 11 19 00-0552	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	683.52		36.00
22 11 19 00-0553	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	637.97		48.00
22 11 19 00-0554	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	731.50		48.00
22 11 19 00-0555	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	767.47		48.00
22 11 23 Domestic Water Pumps (22 11)					
22 11 23 13 Domestic Water Packaged Booster Pumps (22 11 23)					
Note: Includes motor starter and controls.					
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)					
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,807.11		355.41
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	17,355.57		477.58
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,025.55		599.74
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,634.76		721.92
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	20,580.65		844.09
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	22,830.34		966.26
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	24,350.93		1,088.43
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)					
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	44,738.66		1,441.59
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,104.96		1,531.69
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,509.98		1,621.79
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)					
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	59,284.58		1,531.69
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	74,117.57		1,621.79
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	92,351.93		1,801.99
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	117,320.56		1,982.19
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	142,289.20		2,162.39
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	165,856.27		2,432.69
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	189,423.35		2,702.98
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	212,990.45		2,973.28
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	236,782.77		3,333.68
22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)					
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.					
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	44,042.94		1,615.24
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	46,096.59		1,615.24
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	49,031.00		1,615.24
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	53,260.94		1,615.24
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	50,181.99		1,716.19
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	53,874.54		1,716.19
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	58,889.36		1,716.19
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	62,965.44		1,716.19
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	54,860.53		1,817.14
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	58,506.25		1,817.14
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	66,658.40		1,817.14
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	80,340.45		1,817.14
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	57,993.40		1,817.14
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	65,429.78		1,817.14
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	81,798.74		1,817.14

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	81,326.02	1,817.14	
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	97,069.25	2,019.05	
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	66,409.50	2,019.05	
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	81,315.71	2,019.05	
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	80,845.22	2,019.05	
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	97,800.62	2,019.05	
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	118,539.99	2,019.05	
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	55,887.64	1,615.24	
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid (22 11 23 13)					
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.					
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	55,887.64	1,615.24	
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	62,617.18	1,615.24	
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	68,423.58	1,615.24	
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	62,869.56	1,716.19	
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	68,635.82	1,716.19	
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	64,216.36	1,716.19	
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	69,173.20	1,716.19	
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	75,989.70	1,716.19	
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	81,640.01	1,716.19	
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	64,794.29	1,817.14	
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	69,751.13	1,817.14	
22 11 23 13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	76,565.40	1,817.14	
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	82,215.71	1,817.14	
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	70,368.79	1,817.14	
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	75,129.41	1,817.14	
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	86,891.60	1,817.14	
22 11 23 13-0064	EA	360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	106,085.72	1,817.14	
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	71,845.75	2,019.05	
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	76,608.60	2,019.05	
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	88,370.80	2,019.05	
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	107,562.69	2,019.05	
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	75,837.09	2,019.05	
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	86,526.75	2,019.05	
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	109,747.89	2,019.05	
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	111,997.76	2,019.05	
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	138,953.81	2,019.05	
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	85,888.45	2,422.86	
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	103,506.10	2,422.86	
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	110,186.58	2,422.86	
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	133,102.23	2,422.86	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	165,168.99	2,422.86
22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)				
22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)				
Note: ODP motor.				
22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,167.33	199.91
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,199.58	199.91
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,256.59	203.80
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,387.51	212.13
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,521.65	220.02
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,693.08	220.02
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	4,043.73	242.25
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,213.89	266.14
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,108.12	292.81
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,215.91	322.25
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,703.79	353.92
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,199.36	389.48
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,453.96	408.37
22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)				
Note: ODP motor.				
22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,217.60	199.91
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,066.07	199.91
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,074.10	203.80
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,109.79	208.24
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,117.55	212.13
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,156.63	220.02
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,641.96	242.25
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,412.96	292.81
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,592.72	322.25
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,198.49	353.92
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,685.54	389.48
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,657.41	408.37
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	5,963.05	428.94
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,407.81	471.49
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,039.80	500.05
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,941.10	555.61
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,466.77	666.84
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	12,091.79	778.19
22 12 Facility Potable-Water Storage Tanks (22 10)				
22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)				
22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)				
22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	45,490.14	10,276.80
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	51,841.91	10,276.80
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	93,824.65	15,859.28
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	121,092.37	20,553.59
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)				
22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	54,900.16	10,276.80
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	77,013.71	10,276.80
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	114,687.93	15,859.28
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	165,526.32	20,553.59
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)				
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)				
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)				
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,801.32	444.26
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,469.32	555.32
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,498.20	610.85
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,188.38	666.38
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	14,416.95	721.92
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	12,387.01	777.45
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	21,378.40	832.98
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	19,673.20	888.51

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	21,376.85	944.04
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	25,498.94	999.57
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,382.59	444.26
22 12 23 13-0014	EA	120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,648.70	555.32
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,832.25	610.85
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,229.60	666.38
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	6,116.98	666.38
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	9,530.94	721.92
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	10,315.93	777.45
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,810.48	777.45
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	8,936.14	777.45
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	12,280.31	832.98
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	13,325.30	888.51
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	15,490.69	944.04
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	29,242.78	999.57
22 12 23 26		Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)		
22 12 23 26-0001		Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)		
Note: Excludes excavation and backfill.				
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	760.02	249.90
		For Saddle Assembly, Add.....	852.38	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	890.44	291.55
		For Saddle Assembly, Add.....	852.38	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,058.31	333.19
		For Saddle Assembly, Add.....	979.69	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,293.57	374.84
		For Saddle Assembly, Add.....	1,476.44	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,556.28	416.49
		For Two Tie Down Bands, Add.....	486.68	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,018.01	575.73
		For Two Tie Down Bands, Add.....	521.63	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,037.79	671.70
		For Three Tie Down Bands, Add.....	894.77	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,405.90	767.65
		For Three Tie Down Bands, Add.....	902.26	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,509.86	863.61
		For Four Tie Down Bands, Add.....	1,222.98	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,460.20	959.56
		For Four Tie Down Bands, Add.....	1,732.21	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,270.46	1,055.52
		For Four Tie Down Bands, Add.....	2,291.37	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	10,746.35	1,151.47
		For Four Tie Down Bands, Add.....	2,481.08	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	15,449.52	1,535.29
		For Four Tie Down Bands, Add.....	2,810.59	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	20,037.36	1,535.29
		For Five Tie Down Bands, Add.....	4,424.35	
22 12 23 26-0016		Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)		
22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	821.17	333.19
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	996.21	354.02
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,096.36	374.84
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,334.12	416.49
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,517.57	499.79
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,793.39	583.09
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,531.23	767.65
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,281.36	959.56
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,425.90	1,151.47
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,805.09	1,343.38
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,589.65	1,535.29
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,668.77	1,727.20
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,232.68	1,919.12
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,581.91	2,111.03
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,814.81	2,302.94
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	19,005.27	2,494.85
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	23,567.14	2,686.76
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	28,372.43	3,070.59

22 13 Facility Sanitary Sewerage (22 10)**22 13 13 Facility Sanitary Sewers (22 13)**



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0001		Fixture Rough-In (22 13 13) Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.		
22 13 13 00-0002		Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,039.74	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,364.46	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	948.93	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	612.11	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	721.21	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	923.30	
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	979.66	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	592.53	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	948.93	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	978.43	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	922.87	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,039.74	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,627.79	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,007.45	
22 13 13 00-0017		Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,346.96	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,828.74	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,163.65	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	728.91	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	983.96	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,041.49	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	690.35	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,174.73	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,029.32	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,001.58	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,346.96	
22 13 13 00-0029		Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	672.97	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	914.37	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 582.37 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	582.37	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 365.01 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	365.01	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 491.99 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	491.99	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 520.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	520.73	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 372.94 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	372.94	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 586.82 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	586.82	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 514.66 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	514.66	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 501.32 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	501.32	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 665.17 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	665.17	
22 13 13 00-0041		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet 646.56 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	646.56	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet 730.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	730.82	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet 610.81 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	610.81	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal 371.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	371.43	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory 435.65 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	435.65	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink 587.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	587.35	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub 598.74 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	598.74	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler 366.45 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	366.45	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink 610.81 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	610.81	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 646.56 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	646.56	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 597.85 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	597.85	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 646.42 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	646.42	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 1,000.18 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,000.18	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 623.03 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	623.03	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 793.71 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	793.71	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 957.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	957.97	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 689.49 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	689.49	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 417.23 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	417.23	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	605.68	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	633.71	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	404.82	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	699.36	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	666.51	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	641.72	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	793.71	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	396.40	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	478.45	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	345.07	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	208.67	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	302.81	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	316.58	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	202.39	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	349.59	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	333.29	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	321.34	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	389.04	
22 13 16		Sanitary Waste and Vent Piping (22 13)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	34.04	7.00
		<i>For Work In Restricted Working Space, Add</i>	5.13	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	48.56	10.55
		<i>For Work In Restricted Working Space, Add</i>	6.96	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	62.98	13.43
		<i>For Work In Restricted Working Space, Add</i>	8.96	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	74.70	17.05
		<i>For Work In Restricted Working Space, Add</i>	9.60	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	87.54	18.58
		<i>For Work In Restricted Working Space, Add</i>	10.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0008	LF		8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	138.05	26.32
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 13 16 00-0009	LF		10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	201.19	26.32
			<i>For Work In Restricted Working Space, Add</i>	16.87	
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)					
			Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.54	6.67
			<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0012	LF		2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.62	7.11
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 13 16 00-0013	LF		3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	48.41	10.33
			<i>For Work In Restricted Working Space, Add</i>	7.71	
22 13 16 00-0014	LF		4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.55	13.43
			<i>For Work In Restricted Working Space, Add</i>	9.22	
22 13 16 00-0015	LF		5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	78.37	16.73
			<i>For Work In Restricted Working Space, Add</i>	11.35	
22 13 16 00-0016	LF		6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	89.80	18.26
			<i>For Work In Restricted Working Space, Add</i>	12.37	
22 13 16 00-0017	LF		8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	141.42	26.10
			<i>For Work In Restricted Working Space, Add</i>	16.99	
22 13 16 00-0018	LF		10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	204.99	29.66
			<i>For Work In Restricted Working Space, Add</i>	19.74	
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16)					
			Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019)					
			Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Diameter, Bell And Spigot Cast Iron Pipe.....	24.12	7.00
			<i>For Extra Heavy Pipe, Add</i>	5.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0022	LF		3" Diameter, Bell And Spigot Cast Iron Pipe.....	35.29	10.55
			<i>For Extra Heavy Pipe, Add</i>	8.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
22 13 16 00-0023	LF		4" Diameter, Bell And Spigot Cast Iron Pipe.....	45.45	13.43
			<i>For Extra Heavy Pipe, Add</i>	10.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.01	
			<i>For Work In Restricted Working Space, Add</i>	6.06	
22 13 16 00-0024	LF		5" Diameter, Bell And Spigot Cast Iron Pipe.....	61.16	17.05
			<i>For Extra Heavy Pipe, Add</i>	14.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	7.65	
22 13 16 00-0025	LF		6" Diameter, Bell And Spigot Cast Iron Pipe.....	71.24	18.58
			<i>For Extra Heavy Pipe, Add</i>	18.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	8.35	
22 13 16 00-0026	LF		8" Diameter, Bell And Spigot Cast Iron Pipe.....	107.00	26.32
			<i>For Extra Heavy Pipe, Add</i>	28.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	11.84	
22 13 16 00-0027	LF		10" Diameter, Bell And Spigot Cast Iron Pipe.....	156.82	29.66
			<i>For Extra Heavy Pipe, Add</i>	47.21	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.22	
			<i>For Work In Restricted Working Space, Add</i>	13.33	
22 13 16 00-0028	LF		12" Diameter, Bell And Spigot Cast Iron Pipe.....	222.52	39.53
			<i>For Extra Heavy Pipe, Add</i>	68.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	17.77	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0029	LF		15" Diameter, Bell And Spigot Cast Iron Pipe.....	309.73	47.42
			For Extra Heavy Fittings, Add	100.23	
			For Above Ground Cast Iron Pipe Installation, Add	3.55	
			For Work In Restricted Working Space, Add	21.32	
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep.....	113.72	31.87
			For Extra Heavy Fittings, Add	23.08	
			For Above Ground Cast Iron Pipe Installation, Add	2.39	
			For Work In Restricted Working Space, Add	14.33	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	193.85	40.09
			For Extra Heavy Fittings, Add	46.84	
			For Above Ground Cast Iron Pipe Installation, Add	3.00	
			For Work In Restricted Working Space, Add	18.01	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	258.26	53.31
			For Extra Heavy Fittings, Add	62.43	
			For Above Ground Cast Iron Pipe Installation, Add	4.00	
			For Work In Restricted Working Space, Add	23.97	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	408.47	72.15
			For Extra Heavy Fittings, Add	105.11	
			For Above Ground Cast Iron Pipe Installation, Add	5.41	
			For Work In Restricted Working Space, Add	32.45	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	808.61	92.62
			For Extra Heavy Fittings, Add	234.43	
			For Above Ground Cast Iron Pipe Installation, Add	6.94	
			For Work In Restricted Working Space, Add	41.65	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	1,106.38	113.94
			For Extra Heavy Fittings, Add	327.43	
			For Above Ground Cast Iron Pipe Installation, Add	8.54	
			For Work In Restricted Working Space, Add	51.26	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,697.01	159.04
			For Extra Heavy Fittings, Add	510.50	
			For Above Ground Cast Iron Pipe Installation, Add	11.92	
			For Work In Restricted Working Space, Add	71.54	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	3,153.00	221.45
			For Extra Heavy Fittings, Add	987.34	
			For Above Ground Cast Iron Pipe Installation, Add	16.60	
			For Work In Restricted Working Space, Add	99.61	
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	96.31	31.87
			For Extra Heavy Fittings, Add	16.99	
			For Above Ground Cast Iron Pipe Installation, Add	2.39	
			For Work In Restricted Working Space, Add	14.33	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	164.63	40.09
			For Extra Heavy Fittings, Add	36.61	
			For Above Ground Cast Iron Pipe Installation, Add	3.00	
			For Work In Restricted Working Space, Add	18.01	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	225.40	53.31
			For Extra Heavy Fittings, Add	50.93	
			For Above Ground Cast Iron Pipe Installation, Add	4.00	
			For Work In Restricted Working Space, Add	23.97	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	343.51	61.33
			For Extra Heavy Fittings, Add	88.06	
			For Above Ground Cast Iron Pipe Installation, Add	4.60	
			For Work In Restricted Working Space, Add	27.58	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	414.73	72.15
			For Extra Heavy Fittings, Add	107.30	
			For Above Ground Cast Iron Pipe Installation, Add	5.41	
			For Work In Restricted Working Space, Add	32.45	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	682.67	92.62
			For Extra Heavy Fittings, Add	190.35	
			For Above Ground Cast Iron Pipe Installation, Add	6.94	
			For Work In Restricted Working Space, Add	41.65	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	998.92	113.94
			For Extra Heavy Fittings, Add	289.82	
			For Above Ground Cast Iron Pipe Installation, Add	8.54	
			For Work In Restricted Working Space, Add	51.26	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	1,656.93	159.04
			For Extra Heavy Fittings, Add	496.47	
			For Above Ground Cast Iron Pipe Installation, Add	11.92	
			For Work In Restricted Working Space, Add	71.54	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	86.43	31.76
			For Extra Heavy Fittings, Add	13.57	
			For Above Ground Cast Iron Pipe Installation, Add	2.38	
			For Work In Restricted Working Space, Add	14.30	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend	131.12	35.76
			For Extra Heavy Fittings, Add	27.11	
			For Above Ground Cast Iron Pipe Installation, Add	2.68	
			For Work In Restricted Working Space, Add	16.10	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend	187.69	47.64
			For Extra Heavy Fittings, Add	40.70	
			For Above Ground Cast Iron Pipe Installation, Add	3.57	
			For Work In Restricted Working Space, Add	21.42	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend	238.24	54.77
			For Extra Heavy Fittings, Add	54.66	
			For Above Ground Cast Iron Pipe Installation, Add	4.10	
			For Work In Restricted Working Space, Add	24.62	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend	286.56	65.59
			For Extra Heavy Fittings, Add	65.85	
			For Above Ground Cast Iron Pipe Installation, Add	4.92	
			For Work In Restricted Working Space, Add	29.53	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend	594.70	85.29
			For Extra Heavy Fittings, Add	163.40	
			For Above Ground Cast Iron Pipe Installation, Add	6.39	
			For Work In Restricted Working Space, Add	38.35	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend	877.50	103.50
			For Extra Heavy Fittings, Add	252.82	
			For Above Ground Cast Iron Pipe Installation, Add	7.76	
			For Work In Restricted Working Space, Add	46.55	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend	1,157.18	122.17
			For Extra Heavy Fittings, Add	340.89	
			For Above Ground Cast Iron Pipe Installation, Add	9.16	
			For Work In Restricted Working Space, Add	54.96	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend	2,959.44	192.69
			For Extra Heavy Fittings, Add	934.71	
			For Above Ground Cast Iron Pipe Installation, Add	14.44	
			For Work In Restricted Working Space, Add	86.66	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend	78.72	31.87
			For Extra Heavy Fittings, Add	10.83	
			For Above Ground Cast Iron Pipe Installation, Add	2.39	
			For Work In Restricted Working Space, Add	14.33	
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend	123.90	40.09
			For Extra Heavy Fittings, Add	22.35	
			For Above Ground Cast Iron Pipe Installation, Add	3.00	
			For Work In Restricted Working Space, Add	18.01	
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend	176.80	53.31
			For Extra Heavy Fittings, Add	33.92	
			For Above Ground Cast Iron Pipe Installation, Add	4.00	
			For Work In Restricted Working Space, Add	23.97	
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend	224.92	68.55
			For Extra Heavy Fittings, Add	42.77	
			For Above Ground Cast Iron Pipe Installation, Add	5.14	
			For Work In Restricted Working Space, Add	30.82	
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend	260.14	76.43
			For Extra Heavy Fittings, Add	50.93	
			For Above Ground Cast Iron Pipe Installation, Add	5.73	
			For Work In Restricted Working Space, Add	34.39	
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend	517.25	102.17
			For Extra Heavy Fittings, Add	127.42	
			For Above Ground Cast Iron Pipe Installation, Add	7.66	
			For Work In Restricted Working Space, Add	45.96	
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend	723.77	126.06
			For Extra Heavy Fittings, Add	187.16	
			For Above Ground Cast Iron Pipe Installation, Add	9.45	
			For Work In Restricted Working Space, Add	56.71	
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend	1,170.29	163.48
			For Extra Heavy Fittings, Add	323.84	
			For Above Ground Cast Iron Pipe Installation, Add	12.25	
			For Work In Restricted Working Space, Add	73.51	
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	2,245.10	192.69
			For Extra Heavy Fittings, Add	684.69	
			For Above Ground Cast Iron Pipe Installation, Add	14.44	
			For Work In Restricted Working Space, Add	86.66	
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)					
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye	136.56	71.19
			For Extra Heavy Fittings, Add	10.42	
			For Above Ground Cast Iron Pipe Installation, Add	5.34	
			For Work In Restricted Working Space, Add	32.04	
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye	172.68	77.97
			For Extra Heavy Fittings, Add	19.52	
			For Above Ground Cast Iron Pipe Installation, Add	5.85	
			For Work In Restricted Working Space, Add	35.07	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye	227.37	102.18
			For Extra Heavy Fittings, Add	25.98	
			For Above Ground Cast Iron Pipe Installation, Add	7.66	
			For Work In Restricted Working Space, Add	45.95	
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye	300.58	117.97
			For Extra Heavy Fittings, Add	43.28	
			For Above Ground Cast Iron Pipe Installation, Add	8.85	
			For Work In Restricted Working Space, Add	53.07	
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye	377.24	139.83
			For Extra Heavy Fittings, Add	58.65	
			For Above Ground Cast Iron Pipe Installation, Add	10.48	
			For Work In Restricted Working Space, Add	62.90	
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye	690.63	186.58
			For Extra Heavy Fittings, Add	143.81	
			For Above Ground Cast Iron Pipe Installation, Add	13.99	
			For Work In Restricted Working Space, Add	83.93	
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye	969.48	211.68
			For Extra Heavy Fittings, Add	228.26	
			For Above Ground Cast Iron Pipe Installation, Add	15.87	
			For Work In Restricted Working Space, Add	95.19	
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye	1,435.47	257.66
			For Extra Heavy Fittings, Add	367.21	
			For Above Ground Cast Iron Pipe Installation, Add	19.31	
			For Work In Restricted Working Space, Add	115.89	
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye	2,229.96	289.09
			For Extra Heavy Fittings, Add	628.80	
			For Above Ground Cast Iron Pipe Installation, Add	21.67	
			For Work In Restricted Working Space, Add	130.02	
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	218.68	74.41
			For Extra Heavy Fittings, Add	37.48	
			For Above Ground Cast Iron Pipe Installation, Add	5.58	
			For Work In Restricted Working Space, Add	33.48	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	266.06	91.97
			For Extra Heavy Fittings, Add	44.85	
			For Above Ground Cast Iron Pipe Installation, Add	6.90	
			For Work In Restricted Working Space, Add	41.38	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	297.42	94.29
			For Extra Heavy Fittings, Add	54.59	
			For Above Ground Cast Iron Pipe Installation, Add	7.07	
			For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	447.73	125.29
			For Extra Heavy Fittings, Add	90.99	
			For Above Ground Cast Iron Pipe Installation, Add	9.39	
			For Work In Restricted Working Space, Add	56.33	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	459.35	127.59
			For Extra Heavy Fittings, Add	93.81	
			For Above Ground Cast Iron Pipe Installation, Add	9.57	
			For Work In Restricted Working Space, Add	57.40	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	480.78	136.12
			For Extra Heavy Fittings, Add	96.84	
			For Above Ground Cast Iron Pipe Installation, Add	10.20	
			For Work In Restricted Working Space, Add	61.23	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	707.13	150.04
			For Extra Heavy Fittings, Add	168.77	
			For Above Ground Cast Iron Pipe Installation, Add	11.25	
			For Work In Restricted Working Space, Add	67.48	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	739.28	152.93
			For Extra Heavy Fittings, Add	178.52	
			For Above Ground Cast Iron Pipe Installation, Add	11.46	
			For Work In Restricted Working Space, Add	68.77	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	756.98	160.15
			For Extra Heavy Fittings, Add	180.90	
			For Above Ground Cast Iron Pipe Installation, Add	12.01	
			For Work In Restricted Working Space, Add	72.04	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	894.78	178.14
			For Extra Heavy Fittings, Add	219.68	
			For Above Ground Cast Iron Pipe Installation, Add	13.36	
			For Work In Restricted Working Space, Add	80.14	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,105.10	166.92
			For Extra Heavy Fittings, Add	299.19	
			For Above Ground Cast Iron Pipe Installation, Add	12.51	
			For Work In Restricted Working Space, Add	75.08	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,149.56	174.26
			For Extra Heavy Fittings, Add	310.89	
			For Above Ground Cast Iron Pipe Installation, Add	13.07	
			For Work In Restricted Working Space, Add	78.39	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,257.57	192.69
			For Extra Heavy Fittings, Add	339.05	
			For Above Ground Cast Iron Pipe Installation, Add	14.44	
			For Work In Restricted Working Space, Add	86.66	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,664.43		204.35
		For Extra Heavy Fittings, Add	475.32		
		For Above Ground Cast Iron Pipe Installation, Add	15.32		
		For Work In Restricted Working Space, Add	91.91		
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,713.33		204.35
		For Extra Heavy Fittings, Add	492.44		
		For Above Ground Cast Iron Pipe Installation, Add	15.32		
		For Work In Restricted Working Space, Add	91.91		
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,782.93		221.45
		For Extra Heavy Fittings, Add	507.82		
		For Above Ground Cast Iron Pipe Installation, Add	16.60		
		For Work In Restricted Working Space, Add	99.61		
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,094.59		232.44
		For Extra Heavy Fittings, Add	611.16		
		For Above Ground Cast Iron Pipe Installation, Add	17.42		
		For Work In Restricted Working Space, Add	104.53		
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,547.58		239.34
		For Extra Heavy Fittings, Add	766.06		
		For Above Ground Cast Iron Pipe Installation, Add	17.94		
		For Work In Restricted Working Space, Add	107.65		
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,218.16		225.67
		For Extra Heavy Fittings, Add	1,357.94		
		For Above Ground Cast Iron Pipe Installation, Add	16.92		
		For Work In Restricted Working Space, Add	101.50		
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,402.03		244.22
		For Extra Heavy Fittings, Add	1,412.53		
		For Above Ground Cast Iron Pipe Installation, Add	18.31		
		For Work In Restricted Working Space, Add	109.87		
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,492.06		254.77
		For Extra Heavy Fittings, Add	1,438.53		
		For Above Ground Cast Iron Pipe Installation, Add	19.10		
		For Work In Restricted Working Space, Add	114.59		
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,596.57		263.43
		For Extra Heavy Fittings, Add	1,470.59		
		For Above Ground Cast Iron Pipe Installation, Add	19.74		
		For Work In Restricted Working Space, Add	118.46		
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,712.45		278.76
		For Extra Heavy Fittings, Add	1,503.09		
		For Above Ground Cast Iron Pipe Installation, Add	20.90		
		For Work In Restricted Working Space, Add	125.37		
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	149.31		71.19
		For Extra Heavy Fittings, Add	14.88		
		For Above Ground Cast Iron Pipe Installation, Add	5.34		
		For Work In Restricted Working Space, Add	32.04		
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	180.54		77.97
		For Extra Heavy Fittings, Add	22.27		
		For Above Ground Cast Iron Pipe Installation, Add	5.85		
		For Work In Restricted Working Space, Add	35.07		
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	241.05		102.18
		For Extra Heavy Fittings, Add	30.77		
		For Above Ground Cast Iron Pipe Installation, Add	7.66		
		For Work In Restricted Working Space, Add	45.95		
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	344.76		123.76
		For Extra Heavy Fittings, Add	55.74		
		For Above Ground Cast Iron Pipe Installation, Add	9.27		
		For Work In Restricted Working Space, Add	55.65		
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	431.77		153.50
		For Extra Heavy Fittings, Add	70.58		
		For Above Ground Cast Iron Pipe Installation, Add	11.51		
		For Work In Restricted Working Space, Add	69.03		
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	792.10		200.91
		For Extra Heavy Fittings, Add	171.82		
		For Above Ground Cast Iron Pipe Installation, Add	15.06		
		For Work In Restricted Working Space, Add	90.35		
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,143.86		263.43
		For Extra Heavy Fittings, Add	262.14		
		For Above Ground Cast Iron Pipe Installation, Add	19.74		
		For Work In Restricted Working Space, Add	118.46		
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,534.08		338.62
		For Extra Heavy Fittings, Add	359.23		
		For Above Ground Cast Iron Pipe Installation, Add	25.39		
		For Work In Restricted Working Space, Add	152.31		
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	159.32		74.41
		For Extra Heavy Fittings, Add	16.70		
		For Above Ground Cast Iron Pipe Installation, Add	5.58		
		For Work In Restricted Working Space, Add	33.48		



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	225.59	91.97
		For Extra Heavy Fittings, Add	30.68	
		For Above Ground Cast Iron Pipe Installation, Add	6.90	
		For Work In Restricted Working Space, Add	41.38	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	244.01	94.29
		For Extra Heavy Fittings, Add	35.90	
		For Above Ground Cast Iron Pipe Installation, Add	7.07	
		For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	371.13	125.29
		For Extra Heavy Fittings, Add	64.18	
		For Above Ground Cast Iron Pipe Installation, Add	9.39	
		For Work In Restricted Working Space, Add	56.33	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	386.63	127.59
		For Extra Heavy Fittings, Add	68.36	
		For Above Ground Cast Iron Pipe Installation, Add	9.57	
		For Work In Restricted Working Space, Add	57.40	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	409.82	136.12
		For Extra Heavy Fittings, Add	72.01	
		For Above Ground Cast Iron Pipe Installation, Add	10.20	
		For Work In Restricted Working Space, Add	61.23	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	564.85	150.04
		For Extra Heavy Fittings, Add	118.97	
		For Above Ground Cast Iron Pipe Installation, Add	11.25	
		For Work In Restricted Working Space, Add	67.48	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	580.04	160.15
		For Extra Heavy Fittings, Add	118.97	
		For Above Ground Cast Iron Pipe Installation, Add	12.01	
		For Work In Restricted Working Space, Add	72.04	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	733.76	178.14
		For Extra Heavy Fittings, Add	163.32	
		For Above Ground Cast Iron Pipe Installation, Add	13.36	
		For Work In Restricted Working Space, Add	80.14	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)				
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	245.27	85.19
		For Extra Heavy Fittings, Add	41.16	
		For Above Ground Cast Iron Pipe Installation, Add	6.38	
		For Work In Restricted Working Space, Add	38.30	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	358.42	107.39
		For Extra Heavy Fittings, Add	69.11	
		For Above Ground Cast Iron Pipe Installation, Add	8.05	
		For Work In Restricted Working Space, Add	48.29	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	487.21	135.83
		For Extra Heavy Fittings, Add	99.23	
		For Above Ground Cast Iron Pipe Installation, Add	10.19	
		For Work In Restricted Working Space, Add	61.11	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	951.00	214.84
		For Extra Heavy Fittings, Add	220.11	
		For Above Ground Cast Iron Pipe Installation, Add	16.11	
		For Work In Restricted Working Space, Add	96.63	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,908.83	252.21
		For Extra Heavy Fittings, Add	535.77	
		For Above Ground Cast Iron Pipe Installation, Add	18.90	
		For Work In Restricted Working Space, Add	113.42	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,531.99	282.20
		For Extra Heavy Fittings, Add	738.12	
		For Above Ground Cast Iron Pipe Installation, Add	21.15	
		For Work In Restricted Working Space, Add	126.93	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,749.21	338.62
		For Extra Heavy Fittings, Add	434.53	
		For Above Ground Cast Iron Pipe Installation, Add	25.39	
		For Work In Restricted Working Space, Add	152.31	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,959.41	355.39
		For Extra Heavy Fittings, Add	1,549.21	
		For Above Ground Cast Iron Pipe Installation, Add	26.66	
		For Work In Restricted Working Space, Add	159.93	
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)				
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	220.46	100.74
		For Extra Heavy Fittings, Add	24.29	
		For Above Ground Cast Iron Pipe Installation, Add	7.55	
		For Work In Restricted Working Space, Add	45.32	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	256.30	115.73
		For Extra Heavy Fittings, Add	28.97	
		For Above Ground Cast Iron Pipe Installation, Add	8.68	
		For Work In Restricted Working Space, Add	52.06	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	277.95	121.39
		For Extra Heavy Fittings, Add	33.56	
		For Above Ground Cast Iron Pipe Installation, Add	9.10	
		For Work In Restricted Working Space, Add	54.62	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	366.50 50.09 11.17 67.02	149.02
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	388.64 54.86 11.60 69.57	154.71
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	447.52 68.11 12.65 75.87	168.70
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	723.42 151.24 14.57 87.39	194.35
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	787.11 154.77 17.25 103.47	230.00
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	770.60 160.60 15.59 93.52	207.90
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	898.00 186.12 18.31 109.87	244.22
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,108.18 248.17 19.96 119.74	266.21
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,131.91 253.26 20.42 122.49	272.32
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,449.29 351.77 22.21 133.27	296.30
22 13 16 00-0145		Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	203.11 26.41 6.38 38.30	85.19
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	273.62 35.96 8.54 51.26	113.95
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	358.18 50.61 10.68 64.07	142.49
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	808.26 156.89 18.00 108.00	240.10
22 13 16 00-0150		Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	272.42 41.74 7.66 45.95	102.18
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	323.81 52.59 8.68 52.06	115.73
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	363.64 59.69 9.65 57.93	128.84
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	747.08 167.49 13.43 80.56	179.09
22 13 16 00-0155		Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	165.69 20.58 5.34 32.07	71.30
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	188.71 25.13 5.85 35.07	77.97
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	306.69 57.19 7.16 42.98	95.51
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	454.59 101.82 8.18 49.10	109.11
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	545.35 122.19 9.81 58.87	130.87
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,174.80 321.72 12.78 76.68	170.48
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,767.60 509.55 15.59 93.52	207.90
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,640.40 795.96 18.31 109.87	244.22
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)				
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	224.26 39.43 5.58 33.48	74.41
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	265.61 47.23 6.53 39.20	87.18
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	278.61 51.78 6.53 39.20	87.18
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	430.40 84.92 9.39 56.33	125.29
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	448.21 89.91 9.57 57.40	127.59
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	486.35 98.79 10.20 61.23	136.12
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	830.64 206.68 12.01 72.04	160.15
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,043.96 271.89 13.36 80.14	178.14
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)				
22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	141.14 12.02 5.34 32.04	71.19
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	176.70 20.93 5.85 35.07	77.97
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	234.18 28.36 7.66 45.95	102.18

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	306.38 42.31 9.27 55.65	123.76
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	385.84 54.51 11.51 69.03	153.50
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	663.60 126.85 15.06 90.35	200.91
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)				
22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	145.17 13.43 5.34 32.04	71.19
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	160.30 15.19 5.85 35.07	77.97
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	206.63 18.72 7.66 45.95	102.18
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)				
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	147.71 14.32 5.34 32.04	71.19
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	165.13 16.88 5.85 35.07	77.97
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	218.76 22.96 7.66 45.95	102.18
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)				
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	81.76 7.61 3.00 18.01	40.09
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	102.05 7.95 3.97 23.80	52.87
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	109.43 10.34 4.00 23.97	53.31
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	142.29 15.02 4.97 29.82	66.26
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	148.92 16.88 5.04 30.21	67.13
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	153.73 17.85 5.14 30.82	68.55
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	200.06 32.95 5.30 31.77	70.63
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	224.84 33.30 6.49 38.91	86.51
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	230.76 34.19 6.65 39.92	88.74
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	238.29 34.81 6.94 41.65	92.62



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	298.25 49.83 7.79 46.76	103.95
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	314.47 52.75 8.19 49.13	109.17
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	335.20 57.52 8.54 51.26	113.94
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	417.53 81.35 9.26 55.53	123.50
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	465.29 87.01 10.84 65.01	144.49
22 13 16 00-0204 EA 12" x 8" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	502.75 89.58 12.34 74.04	164.59
22 13 16 00-0205 EA 12" x 10" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	550.26 93.11 14.21 85.27	189.57
22 13 16 00-0206 EA 15" x 6" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	722.40 153.36 14.21 85.27	189.57
22 13 16 00-0207 EA 15" x 8" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	768.51 161.75 15.32 91.91	204.35
22 13 16 00-0208 EA 15" x 10" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	800.07 166.95 16.15 96.92	215.45
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	842.89 174.29 17.25 103.47	230.00
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	84.91 13.00 2.39 14.33	31.87
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	114.07 18.91 3.00 18.01	40.09
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	155.60 26.50 4.00 23.97	53.31
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	254.22 56.81 4.60 27.58	61.33
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	341.89 81.81 5.41 32.45	72.15
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	762.76 218.38 6.94 41.65	92.62
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	844.94 235.93 8.54 51.26	113.94
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	99.02 17.94 2.39 14.33	31.87

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.80 28.62 3.00 18.01	40.09
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.16 44.54 4.00 23.97	53.31
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	346.55 85.34 5.14 30.82	68.55
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.56 88.52 5.73 34.39	76.43
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)				
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.84 5.85 35.07	76.97
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.16 7.66 45.95	101.18
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.43 9.00 54.00	119.07
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	851.31 10.20 61.23	134.92
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,809.61 12.01 72.04	158.37
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,041.78 13.36 80.14	176.70
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)				
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.57 8.05 48.29	106.29
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.13 10.19 61.11	134.16
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	947.93 12.65 75.87	166.73
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,098.95 15.29 91.75	201.83
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,024.62 14.57 87.39	192.02
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,317.84 17.25 103.47	228.01
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,415.63 19.96 119.74	263.10
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,115.94 23.04 138.25	304.19
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,922.85 26.67 159.99	351.84
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)				
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.21 2.38 14.30	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.67 2.68 16.06	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.42 3.59 21.51	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.40 4.17 24.99	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	431.65 5.03 30.19	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	823.32 6.36 38.15	
22 13 16 00-0248		Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.27 0.66 3.98	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.48 0.72 4.34	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.09 0.90 5.43	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.71 1.09 6.51	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.95 1.45 8.69	
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.77 1.69 10.13	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.80 1.99 11.94	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.83 2.29 13.75	
22 13 16 00-0257		Joint Material (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material.....	6.73	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material.....	11.94	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket.....	3.32	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket.....	4.55	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket.....	5.65	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket.....	9.38	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket.....	20.68	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket.....	31.72	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket.....	40.40	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket.....	47.99	
22 13 16 00-0268		No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.96 0.50 3.00	6.67
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.23 0.54 3.22	7.11
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.44 0.78 4.66	10.33
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.79 1.01 6.06	13.43
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.79 1.25 7.53	16.73
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.83 1.37 8.20	18.26
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.90 1.95 11.72	26.10
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.67 2.22 13.33	29.66
22 13 16 00-0278		No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279		No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.56 2.27 13.60	30.21

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep	75.16	31.54
For Below Ground Installation, Add	2.36	
For Work In Restricted Working Space, Add	14.18	
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep	89.15	36.09
For Below Ground Installation, Add	2.71	
For Work In Restricted Working Space, Add	16.25	
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep	123.77	47.76
For Below Ground Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep	178.71	55.21
For Below Ground Installation, Add	4.14	
For Work In Restricted Working Space, Add	24.82	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep	211.87	65.82
For Below Ground Installation, Add	4.94	
For Work In Restricted Working Space, Add	29.63	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep	436.20	84.63
For Below Ground Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.08	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep	117.96	36.09
For Below Ground Installation, Add	2.71	
For Work In Restricted Working Space, Add	16.25	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep	178.68	47.76
For Below Ground Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep	69.37	31.54
For Below Ground Installation, Add	2.36	
For Work In Restricted Working Space, Add	14.18	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep	84.57	36.09
For Below Ground Installation, Add	2.71	
For Work In Restricted Working Space, Add	16.25	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep	121.37	47.76
For Below Ground Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep	179.61	55.21
For Below Ground Installation, Add	4.14	
For Work In Restricted Working Space, Add	24.82	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep	197.81	65.82
For Below Ground Installation, Add	4.94	
For Work In Restricted Working Space, Add	29.63	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	393.70	84.63
For Below Ground Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.08	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	646.95	118.50
For Below Ground Installation, Add	8.88	
For Work In Restricted Working Space, Add	53.31	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	62.48	30.21
For Below Ground Installation, Add	2.27	
For Work In Restricted Working Space, Add	13.60	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend	65.39	31.54
For Below Ground Installation, Add	2.36	
For Work In Restricted Working Space, Add	14.18	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend	78.10	36.09
For Below Ground Installation, Add	2.71	
For Work In Restricted Working Space, Add	16.25	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend	107.08	47.76
For Below Ground Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend	161.86	55.21
For Below Ground Installation, Add	4.14	
For Work In Restricted Working Space, Add	24.82	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend	186.45	65.82
For Below Ground Installation, Add	4.94	
For Work In Restricted Working Space, Add	29.63	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend	360.61	84.63
For Below Ground Installation, Add	6.35	
For Work In Restricted Working Space, Add	38.08	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	58.79	30.21
For Below Ground Installation, Add	2.27	
For Work In Restricted Working Space, Add	13.60	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend	61.02	31.54
For Below Ground Installation, Add	2.36	
For Work In Restricted Working Space, Add	14.18	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend	73.81	36.09
			For Below Ground Installation, Add	2.71	
			For Work In Restricted Working Space, Add	16.25	
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend	97.45	47.76
			For Below Ground Installation, Add	3.58	
			For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend	164.66	70.53
			For Below Ground Installation, Add	5.29	
			For Work In Restricted Working Space, Add	31.73	
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend	295.57	92.63
			For Below Ground Installation, Add	6.94	
			For Work In Restricted Working Space, Add	41.65	
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend	466.53	113.95
			For Below Ground Installation, Add	8.54	
			For Work In Restricted Working Space, Add	51.26	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)					
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye	95.11	47.53
			For Below Ground Installation, Add	3.56	
			For Work In Restricted Working Space, Add	21.36	
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye	120.80	64.41
			For Below Ground Installation, Add	4.83	
			For Work In Restricted Working Space, Add	28.97	
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye	138.86	70.53
			For Below Ground Installation, Add	5.29	
			For Work In Restricted Working Space, Add	31.73	
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye	192.53	92.63
			For Below Ground Installation, Add	6.94	
			For Work In Restricted Working Space, Add	41.65	
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye	277.32	107.48
			For Below Ground Installation, Add	8.06	
			For Work In Restricted Working Space, Add	48.34	
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye	329.05	127.59
			For Below Ground Installation, Add	9.57	
			For Work In Restricted Working Space, Add	57.40	
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye	577.42	169.37
			For Below Ground Installation, Add	12.69	
			For Work In Restricted Working Space, Add	76.16	
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye	982.66	188.13
			For Below Ground Installation, Add	14.10	
			For Work In Restricted Working Space, Add	84.62	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)					
22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye	118.27	61.53
			For Below Ground Installation, Add	4.61	
			For Work In Restricted Working Space, Add	27.65	
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye	131.87	70.53
			For Below Ground Installation, Add	5.29	
			For Work In Restricted Working Space, Add	31.73	
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye	150.30	77.97
			For Below Ground Installation, Add	5.85	
			For Work In Restricted Working Space, Add	35.07	
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye	174.65	86.63
			For Below Ground Installation, Add	6.50	
			For Work In Restricted Working Space, Add	38.97	
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye	237.07	108.56
			For Below Ground Installation, Add	8.14	
			For Work In Restricted Working Space, Add	48.85	
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye	253.78	113.48
			For Below Ground Installation, Add	8.50	
			For Work In Restricted Working Space, Add	51.02	
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye	290.47	132.62
			For Below Ground Installation, Add	9.94	
			For Work In Restricted Working Space, Add	59.64	
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye	384.91	133.16
			For Below Ground Installation, Add	9.98	
			For Work In Restricted Working Space, Add	59.90	
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye	448.17	146.37
			For Below Ground Installation, Add	10.97	
			For Work In Restricted Working Space, Add	65.81	
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye	718.33	155.93
			For Below Ground Installation, Add	11.69	
			For Work In Restricted Working Space, Add	70.14	
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye	757.22	166.92
			For Below Ground Installation, Add	12.51	
			For Work In Restricted Working Space, Add	75.08	
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye	875.99	178.25
			For Below Ground Installation, Add	13.36	
			For Work In Restricted Working Space, Add	80.16	
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)					

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.10 4.14 24.86	55.31
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.78 4.83 28.97	64.41
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.23 5.29 31.73	70.53
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.37 6.94 41.65	92.63
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.24 10.68 64.07	142.49
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	744.93 13.71 82.23	182.81
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	871.97 16.57 99.40	221.01
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)				
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.98 4.83 28.97	64.41
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.55 5.29 31.73	70.53
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.68 5.85 35.07	77.97
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.80 6.50 38.97	86.63
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.50 8.14 48.85	108.56
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.24 8.50 51.02	113.48
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	323.27 9.94 59.64	132.62
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	446.21 9.98 59.90	133.16
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.29 10.97 65.81	146.37
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)				
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.84 6.00 36.02	80.07
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.42 7.31 43.84	97.52
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.96 7.99 47.94	106.62
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.87 12.05 72.31	160.83
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	921.10 16.15 96.92	215.45
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)				
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.41 6.65 39.90	88.74
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.95 7.66 45.96	102.18
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.94 8.35 50.10	111.39
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	391.67 10.63 63.78	141.80



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	203.43	96.19
For Below Ground Installation, Add	7.21	
For Work In Restricted Working Space, Add	43.27	
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	251.48	106.62
For Below Ground Installation, Add	7.99	
For Work In Restricted Working Space, Add	47.94	
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	386.65	141.16
For Below Ground Installation, Add	10.58	
For Work In Restricted Working Space, Add	63.47	
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	531.09	217.91
For Below Ground Installation, Add	16.33	
For Work In Restricted Working Space, Add	98.00	
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	192.76	82.74
For Below Ground Installation, Add	6.20	
For Work In Restricted Working Space, Add	37.23	
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	223.37	96.19
For Below Ground Installation, Add	7.21	
For Work In Restricted Working Space, Add	43.27	
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	272.54	105.07
For Below Ground Installation, Add	7.88	
For Work In Restricted Working Space, Add	47.26	
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee	92.56	46.54
For Below Ground Installation, Add	3.49	
For Work In Restricted Working Space, Add	20.96	
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee	122.00	64.41
For Below Ground Installation, Add	4.83	
For Work In Restricted Working Space, Add	28.97	
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee	136.16	70.53
For Below Ground Installation, Add	5.29	
For Work In Restricted Working Space, Add	31.73	
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee	186.37	92.63
For Below Ground Installation, Add	6.94	
For Work In Restricted Working Space, Add	41.65	
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee	278.60	107.48
For Below Ground Installation, Add	8.06	
For Work In Restricted Working Space, Add	48.34	
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee	328.14	127.59
For Below Ground Installation, Add	9.57	
For Work In Restricted Working Space, Add	57.40	
22 13 16 00-0381 EA 8" No Hub Cast Iron Sanitary Tee	653.46	169.37
For Below Ground Installation, Add	12.69	
For Work In Restricted Working Space, Add	76.16	
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0383 EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	104.19	52.53
For Below Ground Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0384 EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	120.38	61.53
For Below Ground Installation, Add	4.61	
For Work In Restricted Working Space, Add	27.65	
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee	124.79	64.41
For Below Ground Installation, Add	4.83	
For Work In Restricted Working Space, Add	28.97	
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee	153.89	64.41
For Below Ground Installation, Add	4.83	
For Work In Restricted Working Space, Add	28.97	
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee	166.85	87.18
For Below Ground Installation, Add	6.53	
For Work In Restricted Working Space, Add	39.20	
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee	173.92	87.18
For Below Ground Installation, Add	6.53	
For Work In Restricted Working Space, Add	39.20	
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee	237.08	102.11
For Below Ground Installation, Add	7.65	
For Work In Restricted Working Space, Add	45.92	
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee	246.94	102.11
For Below Ground Installation, Add	7.65	
For Work In Restricted Working Space, Add	45.92	
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee	248.14	102.11
For Below Ground Installation, Add	7.65	
For Work In Restricted Working Space, Add	45.92	
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee	257.30	106.38
For Below Ground Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.84	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	511.86 10.70 64.23	142.83
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)				
22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.76 2.36 14.18	31.54
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.79 2.71 16.25	36.09
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.94 3.58 21.50	47.76
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)				
22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.32 2.36 14.18	31.54
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.03 2.71 16.25	36.09
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.14 3.58 21.50	47.76
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.82 5.29 31.73	70.53
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)				
22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.71 6.94 41.65	92.63
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.77 10.55 63.31	140.72
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)				
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.21 2.36 14.18	31.54
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.25 2.71 16.25	36.09
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.35 3.58 21.50	47.76
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.64 5.29 31.73	70.53
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.35 6.94 41.65	92.63
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)				
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.03 4.67 28.00	62.20
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.94 4.83 28.97	64.41
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.17 5.29 31.73	70.53
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.33 6.94 41.65	92.63
22 13 16 00-0417	EA	3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.37 6.20 37.22	82.74
22 13 16 00-0418	EA	4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.44 6.39 38.32	85.19
22 13 16 00-0419	EA	4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.89 6.67 39.99	88.97



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

MINOR		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM DESCRIPTION		
22 13 16 00-0420	No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0421	EA 3" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	109.44 4.83 28.97	64.41
22 13 16 00-0422	EA 4" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	150.30 6.53 39.20	87.18
22 13 16 00-0423	EA 4" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	150.90 6.53 39.20	87.18
22 13 16 00-0424	EA 5" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	181.88 7.65 45.92	102.11
22 13 16 00-0425	EA 5" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	185.86 7.65 45.92	102.11
22 13 16 00-0426	EA 5" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	187.44 7.65 45.92	102.11
22 13 16 00-0427	EA 6" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	219.79 8.50 51.02	113.48
22 13 16 00-0428	EA 6" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	220.39 8.50 51.02	113.48
22 13 16 00-0429	EA 6" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	222.19 8.50 51.02	113.48
22 13 16 00-0430	EA 8" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	303.19 11.85 71.08	158.04
22 13 16 00-0431	EA 8" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	307.78 11.85 71.08	158.04
22 13 16 00-0432	EA 8" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	315.15 11.85 71.08	158.04
22 13 16 00-0433	EA 8" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	322.82 11.85 71.08	158.04
22 13 16 00-0434	EA 8" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	323.73 11.85 71.08	158.04
22 13 16 00-0435	EA 10" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	392.18 12.49 74.96	166.70
22 13 16 00-0436	EA 10" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	420.44 13.05 78.30	174.03
22 13 16 00-0437	EA 10" x 8" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	474.24 14.16 84.96	188.91
22 13 16 00-0438	No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0439	EA 1-1/2" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	30.04 1.13 6.80	15.12
22 13 16 00-0440	EA 2" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	30.71 1.18 7.09	15.77
22 13 16 00-0441	EA 3" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	39.65 1.35 8.13	18.11
22 13 16 00-0442	EA 4" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	52.64 1.79 10.74	23.88
22 13 16 00-0443	EA 5" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	73.38 2.10 12.63	28.10
22 13 16 00-0444	EA 6" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	81.01 2.47 14.83	32.91
22 13 16 00-0445	EA 8" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	163.08 3.17 19.03	42.31
22 13 16 00-0446	EA 10" No Hub Cast Iron Blind Plug..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	211.58 3.42 20.49	45.54
22 13 16 00-0447	No Hub Cast Iron P-Traps (22 13 16 00-0278)		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0448	EA	2" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.36 2.36 14.18	31.54
22 13 16 00-0449	EA	3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.67 2.71 16.25	36.09
22 13 16 00-0450	EA	4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.99 3.58 21.50	47.76
22 13 16 00-0451	EA	5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.86 4.17 25.02	55.65
22 13 16 00-0452	EA	6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.19 4.97 29.85	66.36
22 13 16 00-0453 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)				
22 13 16 00-0454	EA	2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.31 3.00 18.01	40.09
22 13 16 00-0455	EA	3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.26 4.00 23.97	53.31
22 13 16 00-0456	EA	4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.96 5.28 31.65	70.41
22 13 16 00-0457 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)				
22 13 16 00-0458	EA	4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.02 3.58 21.50	47.76
22 13 16 00-0459	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.60 3.58 21.50	47.76
22 13 16 00-0460 No Hub Cast Iron Closet Bends (22 13 16 00-0278)				
22 13 16 00-0461	EA	4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.58 3.58 21.50	47.76
22 13 16 00-0462 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)				
22 13 16 00-0463	EA	1-1/4" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.44 3.00 18.01	40.09
22 13 16 00-0464	EA	1-1/2" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.36 3.00 18.01	40.09
22 13 16 00-0465 No Hub Couplings (22 13 16 00-0278)				
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.				
22 13 16 00-0466	EA	1-1/2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	8.02 1.04 2.17	
22 13 16 00-0467	EA	2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	8.02 1.04 2.17	
22 13 16 00-0468	EA	3" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	9.52 1.24 2.57	
22 13 16 00-0469	EA	4" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	11.30 1.47 3.05	
22 13 16 00-0470	EA	5" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	26.13 3.40 7.06	
22 13 16 00-0471	EA	6" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	28.72 3.73 7.75	
22 13 16 00-0472	EA	8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	54.10 7.03 14.61	
22 13 16 00-0473	EA	10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	74.52 9.69 20.12	
22 13 16 00-0474	EA	2" x 1-1/2" No Hub Reducing Coupling	9.52	
22 13 16 00-0475	EA	3" x 2" No Hub Reducing Coupling	14.76	
22 13 16 00-0476	EA	4" x 2" No Hub Reducing Coupling	20.60	
22 13 16 00-0477	EA	4" x 3" No Hub Reducing Coupling	17.55	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0478			Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0869 for additional FERNCO couplings.		
22 13 16 00-0479	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	49.55	
22 13 16 00-0480	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	51.14	
22 13 16 00-0481	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	53.70	
22 13 16 00-0482	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	62.65	
22 13 16 00-0483	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	118.27	
22 13 16 00-0484	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	162.38	
22 13 16 00-0485	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	284.49	
22 13 16 00-0486	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	434.73	
22 13 16 00-0487			Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0488	EA		Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub.....	10.85	
			For Work In Restricted Working Space, Add	3.26	
22 13 16 00-0489	EA		Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub.....	13.27	
			For Work In Restricted Working Space, Add	3.98	
22 13 16 00-0490	EA		Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub.....	14.48	
			For Work In Restricted Working Space, Add	4.34	
22 13 16 00-0491	EA		Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub.....	18.09	
			For Work In Restricted Working Space, Add	5.43	
22 13 16 00-0492	EA		Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub.....	21.71	
			For Work In Restricted Working Space, Add	6.51	
22 13 16 00-0493	EA		Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub.....	28.95	
			For Work In Restricted Working Space, Add	8.69	
22 13 16 00-0494	EA		Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub.....	33.77	
			For Work In Restricted Working Space, Add	10.13	
22 13 16 00-0495			Copper Drain-Waste-Vent (DWV) Pipe (22 13 16) See CSI section 22 11 16 00-0451 for copper and brass fittings.		
22 13 16 00-0496	LF		1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	19.08	5.22
22 13 16 00-0497	LF		1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	22.86	5.83
22 13 16 00-0498	LF		2" Diameter, Hard Drawn DWV Copper Tube/Pipe	29.51	7.19
22 13 16 00-0499	LF		3" Diameter, Hard Drawn DWV Copper Tube/Pipe	62.53	9.96
22 13 16 00-0500	LF		4" Diameter, Hard Drawn DWV Copper Tube/Pipe	88.59	11.24
22 13 16 00-0501	LF		5" Diameter, Hard Drawn DWV Copper Tube/Pipe	178.39	12.91
22 13 16 00-0502	LF		6" Diameter, Hard Drawn DWV Copper Tube/Pipe	253.69	20.00
22 13 16 00-0503			Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0504			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0503)		
22 13 16 00-0505			Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504) Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0506	LF		1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	13.33	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	2.60	
22 13 16 00-0507	LF		2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	15.93	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	3.17	
22 13 16 00-0508	LF		3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	26.46	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	4.48	
22 13 16 00-0509	LF		4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	34.58	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	4.93	
22 13 16 00-0510	LF		6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	64.25	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	6.35	
22 13 16 00-0511	LF		8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	92.09	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	8.49	
22 13 16 00-0512	LF		10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	133.80	
			Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	11.32	

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0513	Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.			
22 13 16 00-0514	LF 1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	26.17	4.66	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		5.35	
22 13 16 00-0515	LF 2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	29.42	5.55	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		5.94	
22 13 16 00-0516	LF 3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	41.81	8.00	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		7.39	
22 13 16 00-0517	LF 4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	53.87	8.66	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		8.07	
22 13 16 00-0518	LF 6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	86.64	11.11	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		10.34	
22 13 16 00-0519	LF 8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	115.11	14.77	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		11.84	
22 13 16 00-0520	LF 10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	162.43	19.77	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
	<i>For Work In Restricted Working Space, Add</i>		15.44	
22 13 16 00-0521	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0503) Note: Excludes fittings or hangers.			
22 13 16 00-0522	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0521) Note: Excludes fittings or hangers.			
22 13 16 00-0523	LF 1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	9.97	4.66	
	<i>For Work In Restricted Working Space, Add</i>		2.08	
22 13 16 00-0524	LF 2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	12.29	5.55	
	<i>For Work In Restricted Working Space, Add</i>		2.50	
22 13 16 00-0525	LF 3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	19.89	8.00	
	<i>For Work In Restricted Working Space, Add</i>		3.58	
22 13 16 00-0526	LF 4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	24.18	8.66	
	<i>For Work In Restricted Working Space, Add</i>		3.89	
22 13 16 00-0527	LF 6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	36.40	10.93	
	<i>For Work In Restricted Working Space, Add</i>		4.91	
22 13 16 00-0528	LF 8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	52.24	14.54	
	<i>For Work In Restricted Working Space, Add</i>		6.56	
22 13 16 00-0529	LF 10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	75.68	19.46	
	<i>For Work In Restricted Working Space, Add</i>		8.75	
22 13 16 00-0530	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0521) Note: Excludes fittings or hangers.			
22 13 16 00-0531	LF 1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	9.07	4.66	
	<i>For Work In Restricted Working Space, Add</i>		2.08	
22 13 16 00-0532	LF 2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	11.22	5.55	
	<i>For Work In Restricted Working Space, Add</i>		2.50	
22 13 16 00-0533	LF 3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	17.86	8.00	
	<i>For Work In Restricted Working Space, Add</i>		3.58	
22 13 16 00-0534	LF 4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	21.49	8.66	
	<i>For Work In Restricted Working Space, Add</i>		3.89	
22 13 16 00-0535	LF 6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	31.39	10.93	
	<i>For Work In Restricted Working Space, Add</i>		4.91	
22 13 16 00-0536	LF 8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	45.21	14.54	
	<i>For Work In Restricted Working Space, Add</i>		6.56	
22 13 16 00-0537	LF 10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	68.03	19.46	
	<i>For Work In Restricted Working Space, Add</i>		8.75	
22 13 16 00-0538	Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0503)			
22 13 16 00-0539	Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0503)			
22 13 16 00-0540	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	36.80	18.55	
	<i>For Work In Restricted Working Space, Add</i>		8.33	
22 13 16 00-0541	EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	47.00	23.66	
	<i>For Work In Restricted Working Space, Add</i>		10.66	
22 13 16 00-0542	EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	83.35	31.76	
	<i>For Work In Restricted Working Space, Add</i>		14.33	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0543 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	131.04 16.66	36.98
22 13 16 00-0544 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	531.69 21.66	48.09
22 13 16 00-0545 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	884.27 29.15	64.76
22 13 16 00-0546 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	1,167.28 38.87	86.30
22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0538)		
22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	62.14 8.33	18.55
22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	61.58 10.66	23.66
22 13 16 00-0550 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	120.84 14.33	31.76
22 13 16 00-0551 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	199.79 16.66	36.98
22 13 16 00-0552 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	398.90 21.66	48.09
22 13 16 00-0553 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	709.76 29.15	64.76
22 13 16 00-0554 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	1,164.15 38.87	86.30
22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0538)		
22 13 16 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	38.88 8.33	18.55
22 13 16 00-0557 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	46.82 10.66	23.66
22 13 16 00-0558 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	80.22 14.33	31.76
22 13 16 00-0559 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	115.77 16.66	36.98
22 13 16 00-0560 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	492.80 21.66	48.09
22 13 16 00-0561 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	793.89 29.15	64.76
22 13 16 00-0562 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	901.42 38.87	86.30
22 13 16 00-0563 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0538)		
22 13 16 00-0564 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	57.79 12.50	27.77
22 13 16 00-0565 EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	76.40 15.99	35.54
22 13 16 00-0566 EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	133.08 21.49	47.76
22 13 16 00-0567 EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	200.48 24.99	55.53
22 13 16 00-0568 EA 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	789.85 32.49	72.08
22 13 16 00-0569 EA 8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	1,026.86 43.73	97.07
22 13 16 00-0570 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0538)		
22 13 16 00-0571 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	74.70 13.66	30.32
22 13 16 00-0572 EA 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	89.71 14.83	32.87
22 13 16 00-0573 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	72.52 14.83	32.87
22 13 16 00-0574 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	108.68 18.49	41.09
22 13 16 00-0575 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	110.32 19.66	43.65
22 13 16 00-0576 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	132.61 20.83	46.20
22 13 16 00-0577 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	232.15 21.99	48.86
22 13 16 00-0578 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	295.36 23.82	52.87
22 13 16 00-0579 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	759.09 29.99	66.53
22 13 16 00-0580 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	2,419.31 37.49	83.18
22 13 16 00-0581 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	2,501.62 39.98	88.74



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0582		Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0538)		
22 13 16 00-0583	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	104.14	36.98
		<i>For Work In Restricted Working Space, Add</i>	16.66	
22 13 16 00-0584	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	142.25	47.31
		<i>For Work In Restricted Working Space, Add</i>	21.32	
22 13 16 00-0585	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	295.14	63.64
		<i>For Work In Restricted Working Space, Add</i>	28.65	
22 13 16 00-0586	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	432.03	73.97
		<i>For Work In Restricted Working Space, Add</i>	33.32	
22 13 16 00-0587		Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0538)		
22 13 16 00-0588	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	127.64	42.21
		<i>For Work In Restricted Working Space, Add</i>	18.99	
22 13 16 00-0589	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	226.63	50.31
		<i>For Work In Restricted Working Space, Add</i>	22.66	
22 13 16 00-0590	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	262.35	55.53
		<i>For Work In Restricted Working Space, Add</i>	24.99	
22 13 16 00-0591	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	485.37	60.65
		<i>For Work In Restricted Working Space, Add</i>	27.32	
22 13 16 00-0592	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	508.41	68.75
		<i>For Work In Restricted Working Space, Add</i>	30.99	
22 13 16 00-0593		Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0538)		
22 13 16 00-0594	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	49.70	21.10
		<i>For Work In Restricted Working Space, Add</i>	9.50	
22 13 16 00-0595	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	95.40	25.10
		<i>For Work In Restricted Working Space, Add</i>	11.33	
22 13 16 00-0596	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	89.91	27.77
		<i>For Work In Restricted Working Space, Add</i>	12.50	
22 13 16 00-0597	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	141.02	30.32
		<i>For Work In Restricted Working Space, Add</i>	13.66	
22 13 16 00-0598	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	151.46	34.43
		<i>For Work In Restricted Working Space, Add</i>	15.49	
22 13 16 00-0599	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	564.25	39.98
		<i>For Work In Restricted Working Space, Add</i>	17.99	
22 13 16 00-0600	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	468.85	42.54
		<i>For Work In Restricted Working Space, Add</i>	19.16	
22 13 16 00-0601	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	1,187.63	50.87
		<i>For Work In Restricted Working Space, Add</i>	22.91	
22 13 16 00-0602	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	999.01	56.42
		<i>For Work In Restricted Working Space, Add</i>	25.41	
22 13 16 00-0603	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	1,345.36	67.19
		<i>For Work In Restricted Working Space, Add</i>	30.26	
22 13 16 00-0604	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers.....	1,046.98	75.52
		<i>For Work In Restricted Working Space, Add</i>	34.01	
22 13 16 00-0605		Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0538)		
22 13 16 00-0606	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	73.24	27.77
		<i>For Work In Restricted Working Space, Add</i>	12.50	
22 13 16 00-0607	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	96.36	35.54
		<i>For Work In Restricted Working Space, Add</i>	15.99	
22 13 16 00-0608	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	286.02	47.76
		<i>For Work In Restricted Working Space, Add</i>	21.49	
22 13 16 00-0609	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	593.83	55.53
		<i>For Work In Restricted Working Space, Add</i>	24.99	
22 13 16 00-0610	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,010.97	72.08
		<i>For Work In Restricted Working Space, Add</i>	32.49	
22 13 16 00-0611		Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0538)		
22 13 16 00-0612	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	116.11	36.98
		<i>For Work In Restricted Working Space, Add</i>	16.66	
22 13 16 00-0613	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	94.00	34.43
		<i>For Work In Restricted Working Space, Add</i>	15.49	
22 13 16 00-0614		Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0538)		
22 13 16 00-0615	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	73.94	27.77
		<i>For Work In Restricted Working Space, Add</i>	12.50	
22 13 16 00-0616	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	85.77	35.54
		<i>For Work In Restricted Working Space, Add</i>	15.99	
22 13 16 00-0617	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	145.06	47.76
		<i>For Work In Restricted Working Space, Add</i>	21.49	
22 13 16 00-0618	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	220.09	55.53
		<i>For Work In Restricted Working Space, Add</i>	24.99	
22 13 16 00-0619	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	716.24	72.08
		<i>For Work In Restricted Working Space, Add</i>	32.49	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0620	EA	8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	887.04 43.73	97.07
22 13 16 00-0621	EA	10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,167.05 58.31	129.39
22 13 16 00-0622 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0538)				
22 13 16 00-0623	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	103.17 13.66	30.32
22 13 16 00-0624	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.54 14.83	32.87
22 13 16 00-0625	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	151.36 18.49	41.09
22 13 16 00-0626	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	122.30 19.66	43.65
22 13 16 00-0627	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	211.87 20.83	46.20
22 13 16 00-0628	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	183.19 21.99	48.86
22 13 16 00-0629	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	207.69 23.82	52.87
22 13 16 00-0630	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	647.58 28.82	63.97
22 13 16 00-0631	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	805.33 29.99	66.53
22 13 16 00-0632	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	760.27 37.49	83.18
22 13 16 00-0633	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	964.57 39.98	88.74
22 13 16 00-0634	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	873.13 47.20	104.74
22 13 16 00-0635	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,094.34 49.70	110.29
22 13 16 00-0636	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,276.84 53.45	118.61
22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0538)				
22 13 16 00-0638	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	124.27 16.66	36.98
22 13 16 00-0639	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	159.44 21.32	47.31
22 13 16 00-0640	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	323.78 28.65	63.64
22 13 16 00-0641	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	573.86 33.32	73.97
22 13 16 00-0642	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,192.49 43.31	96.19
22 13 16 00-0643	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,377.26 58.31	129.50
22 13 16 00-0644	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	2,144.04 77.74	172.59
22 13 16 00-0645 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0538)				
22 13 16 00-0646	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	144.02 18.99	42.21
22 13 16 00-0647	EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	275.82 22.66	50.31
22 13 16 00-0648	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	253.25 24.99	55.53
22 13 16 00-0649	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	368.49 27.32	60.65
22 13 16 00-0650	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	469.74 30.99	68.75
22 13 16 00-0651	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	729.60 38.32	85.08
22 13 16 00-0652	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	853.55 45.81	101.73
22 13 16 00-0653	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,090.77 50.81	112.84
22 13 16 00-0654	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,151.36 55.53	123.29
22 13 16 00-0655	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,501.72 60.53	134.38
22 13 16 00-0656	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,819.09 68.03	151.05
22 13 16 00-0657 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0538)				
22 13 16 00-0658	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	94.08 12.50	27.77

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0659	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	117.19 15.99	35.54
22 13 16 00-0660	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	239.49 21.49	47.76
22 13 16 00-0661	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	431.87 24.99	55.53
22 13 16 00-0662 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends				
(22 13 16 00-0538)				
22 13 16 00-0663	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	181.71 14.83	32.87
22 13 16 00-0664	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	291.45 18.49	41.09
22 13 16 00-0665	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	209.16 19.66	43.65
22 13 16 00-0666	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	392.84 21.99	48.86
22 13 16 00-0667	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	425.50 23.82	52.87
22 13 16 00-0668 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends				
(22 13 16 00-0538)				
22 13 16 00-0669	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	139.90 16.66	36.98
22 13 16 00-0670	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	161.17 21.32	47.31
22 13 16 00-0671	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	252.09 28.65	63.64
22 13 16 00-0672	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	935.97 33.32	73.97
22 13 16 00-0673	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	3,139.23 43.31	96.19
22 13 16 00-0674 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends				
(22 13 16 00-0538)				
22 13 16 00-0675	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	339.35 18.99	42.21
22 13 16 00-0676	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	550.99 24.99	55.53
22 13 16 00-0677	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	962.69 27.32	60.65
22 13 16 00-0678	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	866.11 30.99	68.75
22 13 16 00-0679	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	2,084.26 38.32	85.08
22 13 16 00-0680 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug				
(22 13 16 00-0538)				
22 13 16 00-0681	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	206.98 15.99	35.54
22 13 16 00-0682	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	365.19 21.49	47.76
22 13 16 00-0683	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	593.92 24.99	55.53
22 13 16 00-0684	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,592.02 32.49	72.08
22 13 16 00-0685	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,993.10 43.73	97.07
22 13 16 00-0686	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	2,644.69 58.31	129.39
22 13 16 00-0687 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug				
(22 13 16 00-0538)				
22 13 16 00-0688	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	54.33 8.33	18.55
22 13 16 00-0689	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	78.42 10.66	23.66
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	113.73 14.33	31.76
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	210.55 16.66	36.98
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	497.66 21.66	48.09
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,134.67 29.15	64.76
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	2,103.15 38.85	86.30
22 13 16 00-0695 Polyvinyl Chloride (PVC) Couplings				
(22 13 16 00-0538)				



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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0696	EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	35.64 8.33		18.55	
22 13 16 00-0697	EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.39 10.66		23.66	
22 13 16 00-0698	EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	70.39 14.33		31.76	
22 13 16 00-0699	EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	92.72 16.66		36.98	
22 13 16 00-0700	EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	277.41 21.66		48.09	
22 13 16 00-0701	EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	690.00 29.15		64.76	
22 13 16 00-0702	EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	1,048.23 38.87		86.30	
22 13 16 00-0703	Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0538)				
22 13 16 00-0704	EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters	21.86		9.21	
22 13 16 00-0705	EA 2" Polyvinyl Chloride (PVC) Male Adapters	37.37		11.88	
22 13 16 00-0706	EA 3" Polyvinyl Chloride (PVC) Male Adapters	78.22		15.88	
22 13 16 00-0707	EA 4" Polyvinyl Chloride (PVC) Male Adapters	152.32		18.55	
22 13 16 00-0708	Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0503)				
	Note: In place piping.				
22 13 16 00-0709	EA 1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.14			
22 13 16 00-0710	EA 2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.96			
22 13 16 00-0711	EA 3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.39			
22 13 16 00-0712	EA 4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	15.38			
22 13 16 00-0713	EA 6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	21.97			
22 13 16 00-0714	EA 8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	29.31			
22 13 16 00-0715	EA 10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	35.83			
22 13 16 00-0716	Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)				
	Note: Aboveground installation.				
22 13 16 00-0717	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0716)				
	Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.				
22 13 16 00-0718	LF 1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	27.63		4.66	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
	<i>For Work In Restricted Working Space, Add</i>	6.39			
22 13 16 00-0719	LF 2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	30.71		5.55	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
	<i>For Work In Restricted Working Space, Add</i>	7.08			
22 13 16 00-0720	LF 3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	42.21		8.00	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
	<i>For Work In Restricted Working Space, Add</i>	8.79			
22 13 16 00-0721	LF 4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	48.74		8.66	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
	<i>For Work In Restricted Working Space, Add</i>	9.76			
22 13 16 00-0722	LF 6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	82.31		11.11	
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
	<i>For Work In Restricted Working Space, Add</i>	12.98			
22 13 16 00-0723	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0716)				
	Note: Excludes fittings or hangers.				
22 13 16 00-0724	LF 1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.64		4.66	
	<i>For Work In Restricted Working Space, Add</i>	2.08			
22 13 16 00-0725	LF 2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	11.96		5.55	
	<i>For Work In Restricted Working Space, Add</i>	2.50			
22 13 16 00-0726	LF 3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	19.45		8.00	
	<i>For Work In Restricted Working Space, Add</i>	3.58			
22 13 16 00-0727	LF 4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	23.70		8.66	
	<i>For Work In Restricted Working Space, Add</i>	3.89			
22 13 16 00-0728	LF 6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	38.26		10.93	
	<i>For Work In Restricted Working Space, Add</i>	4.91			
22 13 16 00-0729	Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0716)				
22 13 16 00-0730	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0729)				

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0731	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	39.28 8.33	18.55
22 13 16 00-0732	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	51.95 10.66	23.66
22 13 16 00-0733	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	98.42 14.33	31.76
22 13 16 00-0734	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	154.79 16.66	36.98
22 13 16 00-0735	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	442.64 21.66	48.09
22 13 16 00-0736 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0729)				
22 13 16 00-0737	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	55.19 8.33	18.55
22 13 16 00-0738	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	67.51 10.66	23.66
22 13 16 00-0739	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	137.04 14.33	31.76
22 13 16 00-0740	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	231.62 16.66	36.98
22 13 16 00-0741 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0729)				
22 13 16 00-0742	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	41.43 8.33	18.55
22 13 16 00-0743	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	50.45 10.66	23.66
22 13 16 00-0744	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	90.50 14.33	31.76
22 13 16 00-0745	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	140.16 16.66	36.98
22 13 16 00-0746	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	458.06 21.66	48.09
22 13 16 00-0747 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0729)				
22 13 16 00-0748	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	61.25 12.50	27.77
22 13 16 00-0749	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	82.77 15.99	35.54
22 13 16 00-0750	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	146.69 21.49	47.76
22 13 16 00-0751	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	227.52 24.99	55.53
22 13 16 00-0752	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	890.03 32.49	72.08
22 13 16 00-0753 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0729)				
22 13 16 00-0754	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	76.79 13.66	30.32
22 13 16 00-0755	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	93.31 14.83	32.87
22 13 16 00-0756	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	77.67 14.83	32.87
22 13 16 00-0757	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	118.97 18.49	41.09
22 13 16 00-0758	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	123.39 19.66	43.65
22 13 16 00-0759	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	277.29 20.83	46.20
22 13 16 00-0760	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	267.35 21.99	48.86
22 13 16 00-0761	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	306.95 23.82	52.87
22 13 16 00-0762	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	973.99 29.99	66.53
22 13 16 00-0763 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0729)				
22 13 16 00-0764	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	115.06 16.66	36.98
22 13 16 00-0765	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	157.94 21.32	47.31
22 13 16 00-0766	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	339.51 28.65	63.64
22 13 16 00-0767	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	502.12 33.32	73.97



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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 13 16 00-0768 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0729)					
22 13 16 00-0769	EA 2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	130.83		42.21	
	For Work In Restricted Working Space, Add	18.99			
22 13 16 00-0770	EA 3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	199.88		50.31	
	For Work In Restricted Working Space, Add	22.66			
22 13 16 00-0771	EA 3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	230.44		55.53	
	For Work In Restricted Working Space, Add	24.99			
22 13 16 00-0772	EA 4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	413.71		59.70	
	For Work In Restricted Working Space, Add	26.90			
22 13 16 00-0773	EA 4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	434.69		67.68	
	For Work In Restricted Working Space, Add	30.50			
22 13 16 00-0774 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0729)					
22 13 16 00-0775	EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	81.11		27.77	
	For Work In Restricted Working Space, Add	12.50			
22 13 16 00-0776	EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	93.82		35.54	
	For Work In Restricted Working Space, Add	15.99			
22 13 16 00-0777	EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	161.29		47.76	
	For Work In Restricted Working Space, Add	21.49			
22 13 16 00-0778	EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	250.34		55.53	
	For Work In Restricted Working Space, Add	24.99			
22 13 16 00-0779	EA 6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	721.24		72.08	
	For Work In Restricted Working Space, Add	32.49			
22 13 16 00-0780 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0729)					
22 13 16 00-0781	EA 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	115.94		30.32	
	For Work In Restricted Working Space, Add	13.66			
22 13 16 00-0782	EA 2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	119.11		32.87	
	For Work In Restricted Working Space, Add	14.83			
22 13 16 00-0783	EA 3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	135.21		43.65	
	For Work In Restricted Working Space, Add	19.66			
22 13 16 00-0784	EA 4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	207.52		48.86	
	For Work In Restricted Working Space, Add	21.99			
22 13 16 00-0785	EA 4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	236.21		52.87	
	For Work In Restricted Working Space, Add	23.82			
22 13 16 00-0786	EA 6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	606.38		66.53	
	For Work In Restricted Working Space, Add	29.99			
22 13 16 00-0787 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0729)					
22 13 16 00-0788	EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	139.45		36.98	
	For Work In Restricted Working Space, Add	16.66			
22 13 16 00-0789	EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	179.02		47.31	
	For Work In Restricted Working Space, Add	21.32			
22 13 16 00-0790	EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	374.56		63.64	
	For Work In Restricted Working Space, Add	28.65			
22 13 16 00-0791	EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	676.34		73.97	
	For Work In Restricted Working Space, Add	33.32			
22 13 16 00-0792 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0729)					
22 13 16 00-0793	EA 2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	161.88		42.21	
	For Work In Restricted Working Space, Add	18.99			
22 13 16 00-0794	EA 3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	272.36		50.31	
	For Work In Restricted Working Space, Add	22.66			
22 13 16 00-0795	EA 3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	290.47		55.53	
	For Work In Restricted Working Space, Add	24.99			
22 13 16 00-0796	EA 4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	429.99		60.65	
	For Work In Restricted Working Space, Add	27.32			
22 13 16 00-0797	EA 4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	550.97		68.75	
	For Work In Restricted Working Space, Add	30.99			
22 13 16 00-0798 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0729)					
22 13 16 00-0799	EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	104.68		27.77	
	For Work In Restricted Working Space, Add	12.50			
22 13 16 00-0800	EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	135.22		35.54	
	For Work In Restricted Working Space, Add	15.99			
22 13 16 00-0801	EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	206.59		47.76	
	For Work In Restricted Working Space, Add	21.49			
22 13 16 00-0802	EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	346.94		54.67	
	For Work In Restricted Working Space, Add	24.60			
22 13 16 00-0803 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0729)					



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0804	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	115.76 14.83	32.87
22 13 16 00-0805	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	218.71 18.49	41.09
22 13 16 00-0806	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	163.68 19.66	43.65
22 13 16 00-0807	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	291.94 21.99	48.86
22 13 16 00-0808	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	316.16 23.82	52.87
22 13 16 00-0809 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0729)				
22 13 16 00-0810	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	219.36 21.32	47.31
22 13 16 00-0811	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	437.52 28.65	63.64
22 13 16 00-0812 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0729)				
22 13 16 00-0813	EA	2" x 2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	182.63 18.99	42.21
22 13 16 00-0814	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	419.47 24.99	55.53
22 13 16 00-0815 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0729)				
22 13 16 00-0816	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	115.78 12.50	27.77
22 13 16 00-0817	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	146.32 15.99	35.54
22 13 16 00-0818	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	231.40 21.49	47.76
22 13 16 00-0819	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	381.95 24.99	55.53
22 13 16 00-0820 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0729)				
22 13 16 00-0821	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	53.18 8.33	18.55
22 13 16 00-0822	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	76.55 10.66	23.66
22 13 16 00-0823	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	110.79 14.33	31.76
22 13 16 00-0824	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	203.91 16.66	36.98
22 13 16 00-0825	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	479.55 21.66	48.09
22 13 16 00-0826 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0729)				
22 13 16 00-0827	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	36.53 8.33	18.55
22 13 16 00-0828	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	44.78 10.66	23.66
22 13 16 00-0829	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	72.88 14.33	31.76
22 13 16 00-0830	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	96.95 16.66	36.98
22 13 16 00-0831	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	276.92 21.66	48.09
22 13 16 00-0832 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0729)				
22 13 16 00-0833	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	53.86 9.50	21.10
22 13 16 00-0834	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	108.17 11.33	25.10
22 13 16 00-0835	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	100.68 12.50	27.77
22 13 16 00-0836	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	161.98 13.66	30.32
22 13 16 00-0837	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	173.46 15.49	34.43
22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0729)				



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0839 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	84.70 12.50	27.77
22 13 16 00-0840 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	122.99 15.99	35.54
22 13 16 00-0841 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	390.79 21.49	47.76
22 13 16 00-0842 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	737.17 24.99	55.53
22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0729)		
22 13 16 00-0844 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	115.64 16.66	36.98
22 13 16 00-0845 EA 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	108.02 15.49	34.43
22 13 16 00-0846 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0729)		
22 13 16 00-0847 EA 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	25.06 4.17	9.21
22 13 16 00-0848 EA 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	37.58 5.33	11.88
22 13 16 00-0849 EA 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	81.60 7.16	15.88
22 13 16 00-0850 EA 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	155.45 8.33	18.55
22 13 16 00-0851 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0729)		
22 13 16 00-0852 EA 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	40.89 9.50	21.10
22 13 16 00-0853 EA 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	87.59 11.33	25.10
22 13 16 00-0854 EA 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	73.31 12.50	27.77
22 13 16 00-0855 EA 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	160.37 13.66	30.32
22 13 16 00-0856 EA 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	118.18 15.49	34.43
22 13 16 00-0857 EA 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	323.80 18.86	41.87
22 13 16 00-0858 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0729)		
22 13 16 00-0859 EA 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	157.97 8.33	18.55
22 13 16 00-0860 EA 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	174.42 10.66	23.66
22 13 16 00-0861 EA 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	195.32 14.33	31.76
22 13 16 00-0862 EA 4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	211.77 16.66	36.98
22 13 16 00-0863 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0716) Note: In place piping.		
22 13 16 00-0864 EA 1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.14	
22 13 16 00-0865 EA 2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.96	
22 13 16 00-0866 EA 3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	11.39	
22 13 16 00-0867 EA 4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	15.38	
22 13 16 00-0868 EA 6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	21.97	
22 13 16 00-0869 Elastomeric Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0870 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings (22 13 16 00-0869) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0871 EA 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....	14.31	4.82
22 13 16 00-0872 EA 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	15.41	5.12
22 13 16 00-0873 EA 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	16.20	5.43
22 13 16 00-0874 EA 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	18.69	5.73
22 13 16 00-0875 EA 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	21.11	6.03
22 13 16 00-0876 EA 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	26.85	6.33
22 13 16 00-0877 EA 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	32.63	6.63
22 13 16 00-0878 EA 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	44.26	7.24
22 13 16 00-0879 EA 10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	58.29	8.45

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0880		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0889)	
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.	
22 13 16 00-0881	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125).....	15.23 5.12
22 13 16 00-0882	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215).....	16.50 5.43
22 13 16 00-0883	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315).....	20.19 5.73
22 13 16 00-0884	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32).....	18.15 5.73
22 13 16 00-0885	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415).....	24.79 6.03
22 13 16 00-0886	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42).....	23.75 6.03
22 13 16 00-0887	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43).....	21.81 6.03
22 13 16 00-0888	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53).....	31.39 6.33
22 13 16 00-0889	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54).....	28.43 6.33
22 13 16 00-0890	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63).....	38.75 6.63
22 13 16 00-0891	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64).....	34.32 6.63
22 13 16 00-0892	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65).....	35.55 6.63
22 13 16 00-0893	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84).....	69.70 12.06
22 13 16 00-0894	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86).....	57.42 12.06
22 13 16 00-0895	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8).....	72.49 13.57
22 13 16 00-0896		Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)	
		Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.	
22 13 16 00-0897	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101).....	53.19 32.56
22 13 16 00-0898	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102).....	57.04 34.62
22 13 16 00-0899	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103).....	66.05 39.68
22 13 16 00-0900	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104).....	87.15 52.46
22 13 16 00-0901	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105).....	104.47 62.72
22 13 16 00-0902	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106).....	120.45 72.37
22 13 16 00-0903	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108).....	161.54 91.66
22 13 16 00-0904	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110).....	198.53 102.52
22 13 16 00-0905	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112).....	251.14 113.98
22 13 16 00-0906		Seamless Pipe Vent Flashing For Multiple Pipe (22 13 16)	
		Note: Elmdor/Stoneman #910.	
22 13 16 00-0907	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 4 Lb.).....	540.11 126.64
22 13 16 00-0908	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 6 Lb.).....	564.30 126.64
22 13 16 00-0909	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 4 Lb.).....	604.26 147.75
22 13 16 00-0910	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 6 Lb.).....	638.21 147.75
22 13 16 00-0911	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 4 Lb.).....	684.06 171.88
22 13 16 00-0912	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 6 Lb.).....	730.31 171.88
22 13 16 00-0913		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)	
22 13 16 00-0914	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	102.18 24.99
22 13 16 00-0915	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	107.73 27.77
22 13 16 00-0916	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	161.68 36.09
22 13 16 00-0917	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	189.56 41.65
22 13 16 00-0918	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	221.16 47.20
22 13 16 00-0919	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	373.94 52.75
22 13 16 00-0920		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)	
22 13 16 00-0921	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	212.89 24.99
22 13 16 00-0922	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	218.44 27.77
22 13 16 00-0923	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	259.47 36.09
22 13 16 00-0924	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	324.86 41.65
22 13 16 00-0925	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	444.58 47.20
22 13 16 00-0926	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	455.69 52.75
22 13 16 00-0927		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)	
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0928	EA		1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	407.62	24.99
22 13 16 00-0929	EA		2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	413.17	27.77
22 13 16 00-0930	EA		3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	474.54	36.09
22 13 16 00-0931	EA		4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	534.08	41.65
22 13 16 00-0932	EA		5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	623.42	47.20
22 13 16 00-0933	EA		6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	681.10	52.75

22 13 19 Sanitary Waste Piping Specialties (22 13)

22 13 19 13 Sanitary Drains (22 13 19)

22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)

22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	839.54	119.40
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	922.12	133.83
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	896.96	148.05
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	927.45	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	840.72	133.83
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	869.27	148.05
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	899.76	163.38
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,411.05	133.83
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,439.60	148.05
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,470.09	163.38
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,327.99	133.83
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,356.38	148.05
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,387.03	163.38
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,460.77	133.72
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,489.28	148.05
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,519.93	163.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,313.50	133.72
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,342.01	148.05
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,372.66	163.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,199.98	133.72
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,228.49	148.05
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,259.14	163.38
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	998.41	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,027.24	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,057.57	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,081.47	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,110.30	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,140.63	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,446.92	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,475.75	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,506.08	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	937.50	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	966.33	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	996.66	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,042.71	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,071.54	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,101.87	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,338.95	133.72
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,367.78	148.16
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,398.11	163.38
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,505.14	148.16
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,535.47	163.38
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,407.70	148.16
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,438.03	163.38
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,299.73	148.16
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,330.06	163.38
			For Galvanized Cast Iron Parts, Add	318.00	
			For No-Hub Side Outlet, Add	76.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,469.07	133.72
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,497.90	148.16
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,528.23	163.38
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,898.21	133.72
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,927.04	148.16
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,957.37	163.38
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Rough Bronze Body, Add	120.94	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,997.88	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,026.71	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,057.04	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,770.31	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,799.14	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,829.47	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,380.48	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,409.31	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,439.64	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,745.93	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,774.76	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,805.09	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,845.60	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,874.43	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,904.76	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,474.07	133.72
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,502.90	148.16
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,533.23	163.38
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
		For Rough Bronze Body, Add	120.94	
22 13 19 13-0073		Funnel Type Floor Drains (22 13 19 13)		
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,387.82	119.40
		For Galvanized Cast Iron Parts, Add	105.00	
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,416.47	133.72
		For Galvanized Cast Iron Parts, Add	105.00	
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,444.98	148.05
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,475.63	163.38
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	2,039.40	133.72
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	2,067.91	148.05
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,098.56	163.38
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,931.43	133.72
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,959.94	148.05
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,990.59	163.38
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)					
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,971.36	119.40
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,000.11	133.72
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,028.62	148.05
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,059.27	163.38
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,090.88	179.15
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,210.52	133.72
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,239.35	148.16
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,269.68	163.38
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,301.29	179.15
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate.....	1,961.88	133.72
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0096	1,990.71 29.50 31.00 77.50 273.75	148.16
EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0097	2,021.04 29.50 31.00 77.50 273.75	163.38
EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0098	2,052.65 29.50 31.00 77.50 273.75	179.15
EA			12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0099	2,994.57 29.50 31.00 77.50 273.75	133.72
EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0100	3,023.40 29.50 31.00 77.50 273.75	148.16
EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0101	3,053.73 29.50 31.00 77.50 273.75	163.38
EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add 22 13 19 13-0102	3,085.34 29.50 31.00 77.50 273.75	179.15
22 13 19 13-0102 Other Drains (22 13 19 13)					
22 13 19 13-0103 Shower Drains (22 13 19 13-0102)					
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	54.03	12.06
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	60.32	12.06
22 13 19 13-0106	EA		4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe..... Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	123.85	24.12
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	108.25	24.12
22 13 19 13-0108 Acid Resistant Floor Drains (22 13 19 13-0102)					
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add 22 13 19 13-0110	1,398.79 87.50 33.50 30.50	119.40
EA			9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add 22 13 19 13-0111	1,427.54 87.50 33.50 30.50	133.72
EA			9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add 22 13 19 13-0112	1,456.05 87.50 33.50 30.50	148.05
22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)					
22 13 19 13-0113	EA		Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	276.34	80.53
22 13 19 13-0114	EA		Lever Drain, 2" Drain, 3" Sink Opening.....	292.99	88.85
22 13 19 13-0115	EA		Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	276.34	80.53
22 13 19 13-0116	EA		Lever Drain, 2" Drain, 3-1/2" Sink Opening	292.99	88.85
22 13 19 13-0117	EA		Twist Drain, 1-1/2" Drain, 3" Sink Opening	276.34	80.53
22 13 19 13-0118	EA		Twist Drain, 2" Drain, 3" Sink Opening	292.99	88.85
22 13 19 13-0119	EA		Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	276.34	80.53
22 13 19 13-0120	EA		Twist Drain, 2" Drain, 3-1/2" Sink Opening	292.99	88.85
22 13 19 13-0121	EA		Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	381.94	88.85

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

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
22 13 19 13-0122		Floor Receptor (22 13 19 13)			
22 13 19 13-0123		9" Diameter Round Shallow Receptor (22 13 19 13-0122)			
		Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.			
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,718.43		133.83
		For Flange With Seepage Holes, Add	58.50		
		For Flange With Seepage Holes And Clamp Collar, Add	97.00		
		For Trap Primer Connection, Add	38.00		
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	33.50		
		For White Acid Resistant Bucket, Add	47.00		
		For Stainless Steel Liner For Bucket, Add	62.50		
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,747.39		148.27
		For Flange With Seepage Holes, Add	58.50		
		For Flange With Seepage Holes And Clamp Collar, Add	97.00		
		For Trap Primer Connection, Add	38.00		
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	33.50		
		For White Acid Resistant Bucket, Add	47.00		
		For Stainless Steel Liner For Bucket, Add	62.50		
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,777.41		163.38
		For Flange With Seepage Holes, Add	58.50		
		For Flange With Seepage Holes And Clamp Collar, Add	97.00		
		For Trap Primer Connection, Add	38.00		
		For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	33.50		
		For White Acid Resistant Bucket, Add	47.00		
		For Stainless Steel Liner For Bucket, Add	62.50		
22 13 19 13-0127		Square Top Floor Receptors (22 13 19 13-0122)			
		Note: With acid resistant coating.			
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,032.90		119.40
		For Flange With Seepage Holes, Add	37.50		
		For Flange With Seepage Holes And Clamp Collar, Add	69.00		
		For Trap Primer Connection, Add	39.50		
		For Full Grate With 2" Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	15.50		
		For White Acid Resistant Bucket, Add	88.00		
		For Stainless Steel Liner For Bucket, Add	97.00		
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,061.67		133.83
		For Flange With Seepage Holes, Add	37.50		
		For Flange With Seepage Holes And Clamp Collar, Add	69.00		
		For Trap Primer Connection, Add	39.50		
		For Full Grate With 2" Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	15.50		
		For White Acid Resistant Bucket, Add	88.00		
		For Stainless Steel Liner For Bucket, Add	97.00		
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,090.06		148.05
		For Flange With Seepage Holes, Add	37.50		
		For Flange With Seepage Holes And Clamp Collar, Add	69.00		
		For Trap Primer Connection, Add	39.50		
		For Full Grate With 2" Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	15.50		
		For White Acid Resistant Bucket, Add	88.00		
		For Stainless Steel Liner For Bucket, Add	97.00		
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,120.71		163.38
		For Flange With Seepage Holes, Add	37.50		
		For Flange With Seepage Holes And Clamp Collar, Add	69.00		
		For Trap Primer Connection, Add	39.50		
		For Full Grate With 2" Square Center Opening, Add	36.00		
		For Vandal Proof Secured Grate, Add	15.50		
		For White Acid Resistant Bucket, Add	88.00		
		For Stainless Steel Liner For Bucket, Add	97.00		
22 13 19 13-0132		Floor Drain Accessories (22 13 19 13)			
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H)	116.96		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	94.66		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	103.58		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)	125.88		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)	112.50		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	161.80		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	179.75		13.89
		Note: Prevents emission of sewer gases.			
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	224.28		13.89
		Note: Prevents emission of sewer gases.			



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26 Grease Removal Devices (22 13 19)					
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102H.	1,370.80	83.30
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,325.00	
22 13 19 26-0004	EA		10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103H.	1,599.64	187.42
			<i>For Flange And Clamp Device, Add</i>	385.11	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,400.87	
22 13 19 26-0005	EA		15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104H.	2,276.08	208.24
			<i>For Flange And Clamp Device, Add</i>	398.99	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,530.17	
22 13 19 26-0006	EA		20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105H.	2,751.45	229.07
			<i>For Flange And Clamp Device, Add</i>	412.88	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,654.03	
22 13 19 26-0007	EA		25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106H.	3,081.21	249.90
			<i>For Flange And Clamp Device, Add</i>	457.16	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,723.17	
22 13 19 26-0008	EA		35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107H.	3,785.41	291.55
			<i>For Flange And Clamp Device, Add</i>	496.12	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,897.30	
22 13 19 26-0009	EA		50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108H.	4,942.63	333.19
			<i>For Flange And Clamp Device, Add</i>	564.85	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,024.40	
22 13 19 26-0010	EA		75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60109H.	9,744.59	374.84
			<i>For Flange And Clamp Device, Add</i>	793.90	
22 13 19 26-0011	EA		100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60110H.	11,031.36	473.22
			<i>For Flange And Clamp Device, Add</i>	923.48	
22 13 19 26-0012	EA		150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60213A.	13,597.09	757.15
			<i>For Flange And Clamp Device, Add</i>	1,272.76	
22 13 19 26-0013	EA		200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60214A.	19,522.69	946.43
			<i>For Flange And Clamp Device, Add</i>	1,528.23	
22 13 19 26-0014	EA		250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60215A.	22,771.17	1,135.71
			<i>For Flange And Clamp Device, Add</i>	1,967.39	
22 13 19 26-0015	EA		350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60216A.	29,599.68	1,325.00
			<i>For Flange And Clamp Device, Add</i>	2,331.34	
22 13 19 26-0016	EA		500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60217A.	38,310.28	1,514.29
			<i>For Flange And Clamp Device, Add</i>	2,730.81	
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,971.76	229.07
22 13 19 26-0019	EA		35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	5,109.73	291.55
22 13 19 26-0020	EA		50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	8,443.32	333.19
22 13 19 26-0021			Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102-SA.	3,494.02	83.30
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,325.00	
22 13 19 26-0024	EA		10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103-SA.	4,109.60	187.42
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,400.87	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,390.06 1,530.17	208.24
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	5,360.02 1,654.03	229.07
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,464.03 1,723.17	249.90
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,680.58 1,897.30	291.55
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	7,625.93 2,024.40	333.19
22 13 19 26-0030 Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021)				
Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.				
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,985.61	291.55
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26)				
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,640.21	229.07
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,890.54	249.90
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,611.15	291.55
22 13 19 26-0036 Precast Concrete Grease Interceptor (22 13 19 26)				
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.				
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor.....	4,656.80	434.93
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor.....	5,313.15	434.93
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor.....	6,031.13	497.22
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor.....	6,895.59	702.20
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor.....	7,800.47	944.75
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor.....	11,658.66	1,242.97
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor.....	15,072.66	2,038.29
22 13 19 26-0044 Coated Steel Manual Oil Interceptor (22 13 19 26)				
Note: Includes internal air relief, and flow control fitting.				
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,380.01	317.21
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,264.94	376.92
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,795.14	463.76
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,551.72	502.36
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	11,485.69	548.19
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	15,181.94	603.07
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,593.30	694.15
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	27,949.28	854.08
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	34,357.59	925.73
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	48,147.95	1,110.64
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	55,572.43	1,193.94
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	70,046.24	1,423.85
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	84,769.29	1,166.73
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	100,416.48	1,388.31
22 13 19 33 Backwater Valves (22 13 19)				
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)				
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve.....	768.87	31.87
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve.....	781.08	40.09
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve.....	1,131.13	53.31
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve.....	3,118.63	76.43
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve.....	3,806.94	100.58
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve.....	11,174.85	124.09
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve.....	12,639.76	160.94
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)				
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.				
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,880.62	75.99
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,895.34	92.19
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	3,574.98	118.84
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	5,070.82	138.85



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0014 EA 8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,064.23	164.54
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33) Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,261.34	120.29
22 13 19 33-0017 EA 4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,320.86	159.93
22 13 19 33-0018 EA 5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,790.55	205.65
22 13 19 33-0019 EA 6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,826.29	229.27
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33) Note: Oatey.		
22 13 19 33-0021 EA 3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	147.31	40.09
22 13 19 33-0022 EA 4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	176.12	53.31
22 13 19 33-0023 EA 6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	524.59	76.43
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33) Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0025 EA 3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	348.23	80.18
22 13 19 33-0026 EA 4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	463.71	106.62
22 13 19 33-0027 EA 6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	810.83	152.84
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19) 22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	170.44	15.55
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	202.50	15.55
22 13 23 Sanitary Waste Interceptors (22 13) 22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	1,351.73	157.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	1,353.42	157.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO)	1,906.00	157.27
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO)	1,906.00	157.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	2,031.10	157.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	330.13	53.79
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel	337.01	57.30
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0010 Sediment Strainers (22 13 23)		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side	194.97	73.32
22 13 29 Sanitary Sewerage Pumps (22 13) Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29) 22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0002	1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM.....	7,824.45	1,332.33
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM.....	8,141.60	1,332.33
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM.....	8,458.75	1,332.33
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM.....	8,761.26	1,332.33
22 13 29 13-0007	2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	8,702.71	1,332.33
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	8,824.69	1,332.33
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	8,910.08	1,332.33
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	9,495.58	1,332.33
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	10,068.89	1,332.33
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	10,947.14	1,332.33
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	11,825.40	1,332.33
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM.....	13,585.07	1,773.03
22 13 29 13-0016	3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	9,313.91	1,332.33
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	9,313.91	1,332.33
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	9,525.24	1,332.33
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	11,165.04	1,332.33
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	11,452.69	1,332.33
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	13,686.26	1,773.03
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM.....	14,418.14	1,773.03
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)			
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030	Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.			
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)			
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round.....	784.36	44.42
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round.....	868.37	49.98
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round.....	1,204.83	66.64
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round.....	1,747.49	77.75
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round.....	1,873.27	80.53
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round.....	2,002.94	83.30
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round.....	2,551.16	99.96
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round.....	3,454.60	111.06
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round.....	4,380.85	138.83
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round.....	5,567.66	152.71
22 13 29 16	Submersible Sewerage Pumps (22 13 29)			
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)			
22 13 29 16-0002	Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001) Note: Includes 25' cord.			
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,582.90	80.81
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,688.71	80.81
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,656.15	80.81
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,812.16	80.81
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,812.16	80.81
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,913.17	101.01
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,051.54	101.01



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0010	EA	1	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,069.18	101.01
22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.					
22 13 29 16-0012	EA	1/2	HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,612.74	80.81
22 13 29 16-0013	EA	1/2	HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,764.68	80.81
22 13 29 16-0014	EA	1/2	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,692.78	80.81
22 13 29 16-0015	EA	1/2	HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,839.29	80.81
22 13 29 16-0016	EA	1/2	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,970.88	80.81
22 13 29 16-0017	EA	1	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,829.06	101.01
22 13 29 16-0018	EA	1	HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,986.43	101.01
22 13 29 16-0019	EA	1	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,985.07	101.01
22 13 29 16-0020	EA	1-1/2	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,263.68	162.83
22 13 29 16-0021	EA	1-1/2	HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,396.62	162.83
22 13 29 16-0022	EA	1-1/2	HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,419.68	162.83
22 13 29 16-0023	EA	2	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,415.49	199.02
22 13 29 16-0024	EA	2	HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,567.43	199.02
22 13 29 16-0025	EA	2	HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,571.50	199.02
22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.					
22 13 29 16-0027	EA	1/2	HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,916.62	80.81
22 13 29 16-0028	EA	1/2	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,174.38	80.81
22 13 29 16-0029	EA	1	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,118.02	101.01
22 13 29 16-0030	EA	1	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,274.03	101.01
22 13 29 16-0031	EA	1-1/2	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,574.34	162.83
22 13 29 16-0032	EA	1-1/2	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,730.35	162.83
22 13 29 16-0033	EA	2	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,727.51	199.02
22 13 29 16-0034	EA	2	HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,883.51	199.02
22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16) Note: Includes 25' of cord with pump.					
22 13 29 16-0036	EA	1	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,707.83	101.01
22 13 29 16-0037	EA	1.5	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,065.81	173.07
22 13 29 16-0038	EA	2	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,472.34	211.53
22 13 29 16-0039	EA	3	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,744.25	256.39
22 13 29 16-0040	EA	5	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	7,559.20	301.26
22 13 29 16-0041	EA	7.5	HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	8,437.68	346.13
22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16) Note: Includes 25' of cord with pump.					
22 13 29 16-0043	EA	1	HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,484.91	361.98
22 13 29 16-0044	EA	1	HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,815.38	361.98
22 13 29 16-0045	EA	1	HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,815.38	361.98
22 13 29 16-0046	EA	1.5	HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,854.55	482.64

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,185.02	482.64	
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,185.02	482.64	
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,362.30	603.30	
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,692.77	603.30	
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,692.77	603.30	
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,740.30	723.96	
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,070.78	723.96	
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,070.78	723.96	
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,741.82	844.62	
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,072.29	844.62	
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,072.29	844.62	
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,089.16	965.28	
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,089.16	965.28	
22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)					
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light and alarm float switch.	793.44	103.14	
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and alarm float switch.	819.36	103.14	
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,612.67	137.53	
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn and warning light. Control float switches not included.	2,276.30	137.53	
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	5,393.69	137.53	
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	5,643.84	137.53	
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	9,026.11	171.90	
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	7,603.08	171.90	
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,789.02	171.90	
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,970.47	171.90	
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,891.41	171.90	
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	2,054.94	171.90	
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn and warning light. Float switches not included.	3,515.61	171.90	
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure..... Note: Includes alarm horn, warning light and 15' tethered float.	657.29	68.76	
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	125.79	34.38	
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	152.90	34.38	
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	160.63	34.38	
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	171.98	34.38	
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats..... Note: Not for use with Intrinsically Safe Control Systems.	477.33	34.38	
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	555.41	34.38	
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords..... Note: Not for use with Intrinsically Safe Control Systems.	531.27	34.38	
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	633.04	34.38	
22 13 29 16-0083	EA	Float Switch Tree..... Note: Tree only.	255.05	34.38	



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	68.55	17.19
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge	1,344.03	103.14
Note: Lifting equipment not included.				
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge	2,106.23	137.53
Note: Lifting equipment not included.				
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge	2,750.77	171.90
Note: Lifting equipment not included.				
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	3,084.57	103.14
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	4,362.89	103.14
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	388.34	68.76
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	682.96	85.96
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	684.99	103.14
22 13 29 16-0093	EA	12" Stainless Steel Lifting Cable	191.47	34.38
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge	377.56	34.38
Note: Used for shallow systems where guide rails are not necessary.				
22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)				
22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)				
22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin (22 13 29 33-0001)				
22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	162.79	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	212.12	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	493.41	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	695.92	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	898.44	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	1,046.24	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)				
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	347.29	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	701.21	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,255.64	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,688.36	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,944.84	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,054.07	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,412.15	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,800.67	
22 13 29 36 Explosion Proof Submersible Sewerage Pumps (22 13 29)				
22 13 29 36-0001 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) (22 13 29 36)				
22 13 29 36-0002 Ebara 3" Model DLFU Wet Pit Submersible Sewerage Pump, 2HP - 30HP (22 13 29 36-0001)				
22 13 29 36-0003	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5	3,993.51	222.13
For 20' Stainless Steel Chain, Add			284.75	
For 3" x 3" Discharge Elbow, Add			152.15	
For 3" x 4" Discharge Elbow, Add			184.45	
For Guide Rail System, Add			381.65	
22 13 29 36-0004	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5	3,993.51	222.13
For 20' Stainless Steel Chain, Add			284.75	
For 3" x 3" Discharge Elbow, Add			152.15	
For 3" x 4" Discharge Elbow, Add			184.45	
For Guide Rail System, Add			381.65	
22 13 29 36-0005	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2	5,238.02	266.55
For 20' Stainless Steel Chain, Add			423.30	
For 4" x 3" Discharge Elbow, Add			184.45	
For 4" x 4" Discharge Elbow, Add			170.00	
For 4" x 6" Discharge Elbow, Add			214.20	
For Guide Rail System, Add			754.80	
22 13 29 36-0006	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2	5,086.71	266.55
For 20' Stainless Steel Chain, Add			423.30	
For 3" x 3" Discharge Elbow, Add			152.15	
For 3" x 4" Discharge Elbow, Add			184.45	
For Guide Rail System, Add			381.65	
22 13 29 36-0007	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7	5,855.25	355.41
For 20' Stainless Steel Chain, Add			423.30	
For 4" x 3" Discharge Elbow, Add			184.45	
For 4" x 4" Discharge Elbow, Add			170.00	
For 4" x 6" Discharge Elbow, Add			214.20	
For Guide Rail System, Add			754.80	
22 13 29 36-0008	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	6,009.37	355.41
For 20' Stainless Steel Chain, Add			423.30	
For 3" x 3" Discharge Elbow, Add			152.15	
For 3" x 4" Discharge Elbow, Add			184.45	
For Guide Rail System, Add			381.65	

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0009	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	8,114.51	444.26	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0010	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFMU65.5	8,184.57	444.26	
		For 20' Stainless Steel Chain, Add	423.30		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	381.65		
22 13 29 36-0011	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	9,461.70	533.11	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0012	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	9,419.67	533.11	
		For 20' Stainless Steel Chain, Add	423.30		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	589.90		
22 13 29 36-0013	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	10,902.74	621.96	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0014	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	10,859.31	621.96	
		For 20' Stainless Steel Chain, Add	423.30		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	589.90		
22 13 29 36-0015	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	12,464.28	710.82	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0016	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	15,384.84	799.66	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0017	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	17,128.52	888.51	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0018		Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP			
		29 36-0001			
22 13 29 36-0019	EA	2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	4,850.95	222.13	
		For 20' Stainless Steel Chain, Add	423.30		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	381.65		
22 13 29 36-0020	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	5,462.19	266.55	
		For 20' Stainless Steel Chain, Add	284.75		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	381.65		
22 13 29 36-0021	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU62.2	5,238.02	266.55	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0022	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	6,155.08	355.41	
		For 20' Stainless Steel Chain, Add	284.75		
		For 3" x 3" Discharge Elbow, Add	152.15		
		For 3" x 4" Discharge Elbow, Add	184.45		
		For Guide Rail System, Add	381.65		
22 13 29 36-0023	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	5,855.25	355.41	
		For 20' Stainless Steel Chain, Add	423.30		
		For 4" x 3" Discharge Elbow, Add	184.45		
		For 4" x 4" Discharge Elbow, Add	170.00		
		For 4" x 6" Discharge Elbow, Add	214.20		
		For Guide Rail System, Add	754.80		
22 13 29 36-0024	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5	9,236.76	444.26	
		For 20' Stainless Steel Chain, Add	423.30		
		For 5" x 4" Discharge Elbow, Add	285.60		
		For 5" x 6" Discharge Elbow, Add	277.95		
		For Guide Rail System, Add	1,064.20		



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0025	EA		7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5	8,114.51	444.26
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0026	EA		10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5	10,106.19	533.11
			For 20' Stainless Steel Chain, Add	423.30	
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
22 13 29 36-0027	EA		10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5	9,461.70	533.11
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0028	EA		15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611	11,489.78	621.96
			For 20' Stainless Steel Chain, Add	423.30	
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	754.80	
22 13 29 36-0029	EA		15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611	10,902.74	621.96
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0030	EA		20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615	13,093.35	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
22 13 29 36-0031	EA		20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615	12,464.28	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0032	EA		25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618	15,803.75	799.66
			For 20' Stainless Steel Chain, Add	423.30	
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
22 13 29 36-0033	EA		25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618	15,384.84	799.66
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0034	EA		30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622	17,533.42	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
22 13 29 36-0035	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622	17,128.52	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0036	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630	26,472.15	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0037	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637	32,968.84	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
22 13 29 36-0038	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645	34,891.09	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	

22 13 29 36-0039 Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP
(22 13 29 36-0001)

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0040	EA		10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5	10,525.10	533.11
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0041	EA		15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611	11,914.30	621.96
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0042	EA		20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615	13,477.24	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0043	EA		25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618	15,610.41	799.66
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0044	EA		30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622	18,313.81	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0045	EA		40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630	27,296.73	977.37
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	2,537.25	
22 13 29 36-0046	EA		50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637	33,571.41	1,066.22
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	2,537.25	
22 13 29 36-0047	EA		60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645	35,718.59	1,155.07
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	2,537.25	
22 13 29 36-0048 Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP					
			(22 13 29 36-0001)		
22 13 29 36-0049	EA		10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675	11,162.58	533.11
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0050	EA		15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611	12,019.38	621.96
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0051	EA		20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61	13,489.85	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0052	EA		25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618	15,610.41	799.66
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0053	EA		30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622	18,313.81	888.51
			For 20' Stainless Steel Chain, Add	423.30	
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
22 13 29 36-0054	EA		40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630	26,854.00	977.37
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	4,195.60	
22 13 29 36-0055	EA		50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637	33,781.57	1,066.22
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	4,195.60	
22 13 29 36-0056	EA		60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645	35,938.56	1,155.07
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	4,195.60	
22 13 29 36-0057 Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP					
			(22 13 29 36-0001)		
22 13 29 36-0058	EA		15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611	13,853.36	621.96
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	3,562.35	
22 13 29 36-0059	EA		20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615	15,141.69	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	3,562.35	
22 13 29 36-0060	EA		20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615	16,122.43	710.82
			For 20' Stainless Steel Chain, Add	423.30	
			For Guide Rail System, Add	3,562.35	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0061	EA	25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	18,383.10 423.30 3,562.35	799.66
22 13 29 36-0062	EA	30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	19,967.05 423.30 3,562.35	888.51
22 13 29 36-0063	EA	40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	28,746.83 423.30 3,562.35	977.37
22 13 29 36-0064	EA	50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	35,985.43 423.30 3,562.35	1,066.22
22 13 29 36-0065	EA	60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	38,143.82 423.30 3,562.35	1,155.07
22 13 29 36-0066 Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP (22 13 29 36-0061)				
22 13 29 36-0067	EA	25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	19,246.15 423.30 3,562.35	799.66
22 13 29 36-0068	EA	30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	20,797.88 423.30 3,562.35	888.51
22 13 29 36-0069	EA	40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	29,628.09 423.30 3,562.35	977.37
22 13 29 36-0070	EA	50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	36,796.64 423.30 3,562.35	1,066.22
22 13 29 36-0071	EA	60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	38,943.82 423.30 3,562.35	1,155.07
22 13 29 36-0072 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) (22 13 29 36)				
22 13 29 36-0073 Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP (22 13 29 36-0072)				
22 13 29 36-0074	EA	75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	113,934.65 423.30 4,420.00	1,243.92
22 13 29 36-0075	EA	75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	124,651.32 423.30 4,420.00	1,243.92
22 13 29 36-0076	EA	100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	128,418.50 423.30 4,420.00	1,377.20
22 13 29 36-0077	EA	100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	131,429.36 4,420.00 590.75	1,377.20
22 13 29 36-0078	EA	100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	115,684.31 5,695.00 590.75	1,377.20
22 13 29 36-0079	EA	120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	149,794.14 5,270.00 590.75	1,510.47
22 13 29 36-0080	EA	120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	133,787.09 5,270.00 590.75	1,510.47
22 13 29 36-0081	EA	145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	133,812.43 6,375.00 590.75	1,688.18
22 13 29 36-0082	EA	145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	159,030.02 6,375.00 590.75	1,688.18
22 13 29 36-0083	EA	200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	181,057.52 6,970.00 845.75	1,865.88
22 13 29 36-0084	EA	200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	181,057.52 6,970.00 845.75	1,865.88
22 13 29 36-0085	EA	245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	187,596.37 9,180.00 845.75	2,043.58
22 13 29 36-0086	EA	245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262..... For Guide Rail System, Add For 20' Stainless Steel Chain, Add	190,258.38 9,180.00 845.75	2,043.58
22 13 29 36-0087 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) (22 13 29 36)				



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0088 Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP (22 13 29 36-0087)				
22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	17,505.91	621.96
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	19,661.50	710.82
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	21,500.44	799.66
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	22,839.22	888.51
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	18,104.16	621.96
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	19,746.96	710.82
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	22,097.29	799.66
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	23,752.70	888.51
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	33,600.08	977.37
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	39,455.84	1,066.22
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	40,990.76	1,155.07
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	18,705.21	621.96
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	20,109.83	710.82
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	22,254.21	799.66
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	24,313.13	888.51
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	34,617.25	977.37
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	42,836.59	1,066.22
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	43,273.08	1,155.07
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	35,906.86	888.51
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	42,966.89	1,066.22
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	43,607.93	1,155.07
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	42,744.77	977.37
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	42,966.89	1,066.22
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	43,635.95	1,155.07
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	36,683.80	977.37
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	43,179.85	1,066.22
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	43,718.62	1,155.07
22 13 29 36-0116 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) (22 13 29 36)				
22 13 29 36-0117 Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP (22 13 29 36-0116)				
22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	116,624.59	1,243.92
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	127,361.39	1,243.92
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	131,771.73	1,377.20
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	134,436.39	1,377.20
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	117,208.23	1,377.20
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	153,494.38	1,510.47
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	134,769.59	1,510.47
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	135,213.85	1,688.18
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	160,179.58	1,688.18
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	191,001.03	1,865.88
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	186,589.30	1,799.24
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	190,695.97	2,043.58
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	190,695.97	2,043.58
22 13 33 Packaged, Submersible Sewerage Pump Units (22 13 33)				
22 13 33 00-0001 Submersible Pumps (Flygt) (22 13 33)				
22 13 33 00-0002 Wet Pit Submersible Pumps (Flygt) (22 13 33 00-0001)				
22 13 33 00-0003 Wet Pit Submersible Explosion Proof Pumps (Flygt) (22 13 33 00-0002)				
22 13 33 00-0004	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085)	15,612.41	266.55
Note: FLS and 50' electrical cable				
22 13 33 00-0005	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085)	16,300.30	310.98
Note: FLS and 50' electrical cable				
22 13 33 00-0006	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102)	19,501.51	355.41
Note: FLS and 50' electrical cable				
22 13 33 00-0007	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102)	18,405.18	444.26
Note: FLS and 50' electrical cable				
22 13 33 00-0008	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127)	25,914.07	488.68
Note: FLS and 50' electrical cable				
22 13 33 00-0009	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127)	30,215.38	533.11
Note: FLS and 50' electrical cable				
22 13 33 00-0010	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)	45,591.78	577.54
Note: FLS and 50' electrical cable				
22 13 33 00-0011	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)	47,896.85	621.96
Note: FLS and 50' electrical cable				
22 13 33 00-0012	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)	52,097.03	710.82
Note: FLS and 50' electrical cable				
22 13 33 00-0013	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)	65,746.89	799.66
Note: FLS and 50' electrical cable				
22 13 33 00-0014	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)	72,274.99	888.51
Note: FLS and 50' electrical cable				
22 13 33 00-0015	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)	86,854.13	932.94
Note: FLS and 50' electrical cable				



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0016 EA 34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	120,165.77	977.37
22 13 33 00-0017 EA 50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	134,863.86	1,155.07
22 13 33 00-0018 EA 67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	130,286.13	1,199.50
22 13 33 00-0019 EA 60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	166,432.47	1,243.92
22 13 33 00-0020 EA 85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	183,996.52	1,332.78
22 13 33 00-0021 EA 105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	187,286.14	1,421.62
22 13 33 00-0022 EA 70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	164,638.12	1,243.92
22 13 33 00-0023 EA 110 To 140 HP, 10" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	193,214.75	1,510.47
22 13 33 00-0024 EA 130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	189,124.73	1,688.18
22 13 33 00-0025 EA 3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) ... Note: FLS and 50' electrical cable	16,590.95	266.55
22 13 33 00-0026 EA 4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) ... Note: FLS and 50' electrical cable	17,278.85	310.98
22 13 33 00-0027 EA 5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) ... Note: FLS and 50' electrical cable	21,149.59	355.41
22 13 33 00-0028 EA 7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) ... Note: FLS and 50' electrical cable	20,053.26	444.26
22 13 33 00-0029 EA 7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	27,572.45	488.68
22 13 33 00-0030 EA 10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	31,873.76	533.11
22 13 33 00-0031 EA 12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	47,322.27	577.54
22 13 33 00-0032 EA 15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	49,627.33	621.96
22 13 33 00-0033 EA 20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	53,827.52	710.82
22 13 33 00-0034 EA 18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	68,672.24	799.66
22 13 33 00-0035 EA 30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	75,200.33	888.51
22 13 33 00-0036 EA 34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	89,779.47	932.94
22 13 33 00-0037 EA 34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	123,091.12	977.37
22 13 33 00-0038 EA 50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	137,789.20	1,155.07
22 13 33 00-0039 EA 67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	134,612.34	1,199.50
22 13 33 00-0040 EA 60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	170,758.68	1,243.92
22 13 33 00-0041 EA 85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	188,322.73	1,332.78
22 13 33 00-0042 EA 105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	191,612.35	1,421.62
22 13 33 00-0043 EA 70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	168,964.33	1,243.92
22 13 33 00-0044 EA 130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	193,656.95	1,688.18
22 13 33 00-0045 Dry Pit Submersible Vertical Pumps (Flygt) (22 13 33 00-0001)		
22 13 33 00-0046 Dry Pit Submersible Vertical Non-Explosion Proof Pumps (Flygt) (22 13 33 00-0045)		
22 13 33 00-0047 EA 3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,185.96	266.55
22 13 33 00-0048 EA 4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,884.16	310.98
22 13 33 00-0049 EA 5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	18,086.22	355.41

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0050	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102).....	18,195.05	444.26
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0051	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127).....	27,117.17	488.68
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0052	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127).....	30,091.78	533.11
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0053	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153).....	45,173.40	621.96
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,055.98	
22 13 33 00-0054	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153).....	49,122.25	710.82
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	1,452.37	
22 13 33 00-0055	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171).....	61,787.38	799.66
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	3,374.44	
22 13 33 00-0056	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171).....	66,525.25	888.51
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,101.30	
22 13 33 00-0057	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171).....	82,791.62	932.94
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,101.30	
22 13 33 00-0058	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202).....	111,294.98	977.37
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0059	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202).....	137,546.11	1,155.07
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0060	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202).....	131,600.47	1,199.50
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,173.41	
22 13 33 00-0061	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301).....	146,387.33	1,332.78
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,903.04	
22 13 33 00-0062	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301)	151,199.37	1,421.62
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	4,594.02	
		For Stand, Add	4,528.10	
22 13 33 00-0063	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315).....	149,269.77	1,243.92
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0064	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315).....	189,922.71	1,510.47
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0065	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085).....	16,164.51	266.55
		Note: FLS and 50' electrical cable		
22 13 33 00-0066	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085).....	16,862.71	310.98
		Note: FLS and 50' electrical cable		
22 13 33 00-0067	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102).....	19,744.61	355.41
		Note: FLS and 50' electrical cable		
22 13 33 00-0068	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102).....	19,853.43	444.26
		Note: FLS and 50' electrical cable		
22 13 33 00-0069	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	28,775.55	488.68
		Note: FLS and 50' electrical cable		
22 13 33 00-0070	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	31,750.16	533.11
		Note: FLS and 50' electrical cable		
22 13 33 00-0071	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	42,443.95	577.54
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	1,452.37	
22 13 33 00-0072	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	46,924.48	621.96
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,055.98	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0073	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	50,873.33	710.82
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	1,452.37	
22 13 33 00-0074	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	64,702.42	799.66
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	3,374.44	
22 13 33 00-0075	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)..... Note: FLS and 50' electrical cable	69,440.29	888.51
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,101.30	
22 13 33 00-0076	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	85,706.66	932.94
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,101.30	
22 13 33 00-0077	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	114,210.03	977.37
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0078	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	140,461.15	1,155.07
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0079	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	135,926.68	1,199.50
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,173.41	
22 13 33 00-0080	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable	136,181.96	1,243.92
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,903.04	
22 13 33 00-0081	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)..... Note: FLS and 50' electrical cable	150,713.54	1,332.78
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,903.04	
22 13 33 00-0082	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable	155,525.58	1,421.62
		For Inlet Elbow, Add	4,594.02	
		For Stand, Add	4,528.10	
22 13 33 00-0083	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)..... Note: FLS and 50' electrical cable	153,595.98	1,243.92
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0084	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	194,248.92	1,510.47
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0085	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	177,165.85	1,688.18
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,528.10	
22 13 33 00-0086		Dry Pit Submersible Vertical Explosion Proof Pumps (Flygt) (22 13 33 00-0045)		
22 13 33 00-0087	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,033.87	266.55
22 13 33 00-0088	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,732.07	310.98
22 13 33 00-0089	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	20,042.96	444.26
22 13 33 00-0090	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	29,393.58	488.68
22 13 33 00-0091	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	43,195.89	577.54
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	1,452.37	
22 13 33 00-0092	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	47,676.42	621.96
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,055.98	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0093	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	51,625.27	710.82
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	1,452.37	
22 13 33 00-0094	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	65,141.22	799.66
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	3,374.44	
22 13 33 00-0095	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	86,145.46	932.94
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,101.30	
22 13 33 00-0096	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	114,648.83	977.37
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0097	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	140,899.95	1,155.07
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,832.99	
22 13 33 00-0098	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	134,954.32	1,199.50
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	2,173.41	
22 13 33 00-0099	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	139,121.72	1,243.92
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,903.04	
22 13 33 00-0100	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	153,653.31	1,332.78
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	4,903.04	
22 13 33 00-0101	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	158,465.34	1,421.62
		For Inlet Elbow, Add	4,594.02	
		For Stand, Add	4,528.10	
22 13 33 00-0102	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	156,741.76	1,243.92
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0103	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	197,394.69	1,510.47
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,903.04	
22 13 33 00-0104	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	180,095.31	1,688.18
		For Inlet Elbow, Add	8,320.74	
		For Stand, Add	4,528.10	
22 13 33 00-0105	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	18,012.42	266.55
22 13 33 00-0106	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	18,710.62	310.98
22 13 33 00-0107	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) Note: FLS and 50' electrical cable	21,592.51	355.41
22 13 33 00-0108	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) Note: FLS and 50' electrical cable	21,701.34	444.26
22 13 33 00-0109	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) Note: FLS and 50' electrical cable	31,051.96	488.68
22 13 33 00-0110	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) Note: FLS and 50' electrical cable	34,026.57	533.11
22 13 33 00-0111	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	44,946.97	577.54
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	1,452.37	
22 13 33 00-0112	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	49,427.50	621.96
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	2,055.98	
22 13 33 00-0113	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	53,376.35	710.82
		For Inlet Elbow, Add	3,498.05	
		For Stand, Add	1,452.37	
22 13 33 00-0114	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	68,056.27	799.66
		For Inlet Elbow, Add	2,589.55	
		For Stand, Add	3,374.44	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0115	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	72,794.14 2,589.55 2,101.30	888.51
22 13 33 00-0116	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)..... Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	89,060.50 3,498.05 2,101.30	932.94
22 13 33 00-0117	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	117,563.87 3,498.05 4,832.99	977.37
22 13 33 00-0118	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	143,814.99 3,498.05 4,832.99	1,155.07
22 13 33 00-0119	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)..... Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	139,280.53 3,498.05 2,173.41	1,199.50
22 13 33 00-0120	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	143,447.93 3,498.05 4,903.04	1,243.92
22 13 33 00-0121	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)..... Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	157,979.52 3,498.05 4,903.04	1,332.78
22 13 33 00-0122	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	162,791.55 4,594.02 4,528.10	1,421.62
22 13 33 00-0123	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)..... Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	161,067.97 8,320.74 4,903.04	1,243.92
22 13 33 00-0124	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	201,720.90 8,320.74 4,903.04	1,510.47
22 13 33 00-0125	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)..... Note: FLS and 50' electrical cable For Inlet Elbow, Add For Stand, Add	184,637.83 8,320.74 4,528.10	1,688.18
22 13 33 00-0126		Dry Pit Submersible Horizontal Pumps (Flygt) (22 13 33 00-0001)		
22 13 33 00-0127		Dry Pit Submersible Horizontal Non-Explosion Proof Pumps (Flygt) (22 13 33 00-0126)		
22 13 33 00-0128	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	13,675.91 3,656.68	266.55
22 13 33 00-0129	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	12,027.66 3,656.68	310.98
22 13 33 00-0130	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	16,174.45 3,533.07	355.41
22 13 33 00-0131	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	15,718.81 3,533.07	444.26
22 13 33 00-0132	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	24,125.90 3,914.19	488.68
22 13 33 00-0133	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	26,919.22 3,914.19	533.11
22 13 33 00-0134	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	45,171.34 7,333.96 7,303.05	621.96
22 13 33 00-0135	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	49,122.25 7,333.96 7,303.05	710.82

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0136	EA		18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) 61,787.38		799.66
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	6,036.09	
			For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0137	EA		30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)..... 66,525.25		888.51
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	6,036.09	
			For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0138	EA		34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) 82,795.74		932.94
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	6,036.09	
			For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0139	EA		34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) 111,292.92		977.37
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	8,487.61	
			For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0140	EA		50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) 137,546.11		1,155.07
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	8,487.61	
			For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0141	EA		67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) 131,600.47		1,199.50
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	8,487.61	
			For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0142	EA		60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) 131,855.75		1,243.92
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	11,474.76	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0143	EA		85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)..... 140,204.97		1,332.78
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	11,474.76	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0144	EA		105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) 149,139.27		1,421.62
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	11,474.76	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0145	EA		70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)..... 149,269.77		1,243.92
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	14,060.18	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0146	EA		110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) . 189,922.71		1,510.47
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	14,060.18	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0147	EA		130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)..... 172,623.32		1,688.18
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	14,060.18	
			For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0148	EA		3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)..... 14,654.46		266.55
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,656.68	
22 13 33 00-0149	EA		4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)..... 13,006.20		310.98
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,656.68	
22 13 33 00-0150	EA		5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)..... 17,832.83		355.41
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,533.07	
22 13 33 00-0151	EA		7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)..... 17,377.19		444.26
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,533.07	
22 13 33 00-0152	EA		7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) 25,784.28		488.68
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,914.19	
22 13 33 00-0153	EA		10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) 28,577.60		533.11
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	3,914.19	
22 13 33 00-0154	EA		12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) 42,443.95		577.54
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	7,333.96	
			For Horizontal Service Car, Add	7,303.05	
22 13 33 00-0155	EA		15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) 46,922.42		621.96
			Note: FLS and 50' electrical cable		
			For Steel Z Stand Kit, Add	7,333.96	
			For Horizontal Service Car, Add	7,303.05	



Plumbing			22
Plumbing Piping			22 10
Facility Sanitary Sewerage			22 13

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0156	EA		20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	50,873.33 7,333.96 7,303.05	710.82
22 13 33 00-0157	EA		18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	64,702.42 6,036.09 9,738.09	799.66
22 13 33 00-0158	EA		30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	69,440.29 6,036.09 9,738.09	888.51
22 13 33 00-0159	EA		34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	85,710.78 6,036.09 9,738.09	932.94
22 13 33 00-0160	EA		34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	114,207.97 8,487.61 11,124.54	977.37
22 13 33 00-0161	EA		50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	140,461.15 8,487.61 11,124.54	1,155.07
22 13 33 00-0162	EA		67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	135,926.68 8,487.61 11,124.54	1,199.50
22 13 33 00-0163	EA		60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	136,181.96 11,474.76 14,317.70	1,243.92
22 13 33 00-0164	EA		85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	144,531.18 11,474.76 14,317.70	1,332.78
22 13 33 00-0165	EA		105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	153,465.48 11,474.76 14,317.70	1,421.62
22 13 33 00-0166	EA		70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	153,595.98 14,060.18 14,317.70	1,243.92
22 13 33 00-0167	EA		110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	194,248.92 14,060.18 14,317.70	1,510.47
22 13 33 00-0168	EA		130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	177,165.85 14,060.18 14,317.70	1,688.18
22 13 33 00-0169 Dry Pit Submersible Horizontal Explosion Proof Pumps (Flygt) (22 13 33 00-0126)					
22 13 33 00-0170	EA		3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	15,523.82 3,656.68	266.55
22 13 33 00-0171	EA		4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	13,875.57 3,656.68	310.98
22 13 33 00-0172	EA		5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	18,022.36 3,533.07	355.41
22 13 33 00-0173	EA		7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	17,566.72 3,533.07	444.26
22 13 33 00-0174	EA		7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	26,402.31 3,914.19	488.68
22 13 33 00-0175	EA		10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add	29,195.63 3,914.19	533.11

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0176	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	43,195.89	577.54
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	7,333.96	
		For Horizontal Service Car, Add	7,303.05	
22 13 33 00-0177	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	47,674.36	621.96
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	7,333.96	
		For Horizontal Service Car, Add	7,303.05	
22 13 33 00-0178	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	51,625.27	710.82
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	7,333.96	
		For Horizontal Service Car, Add	7,303.05	
22 13 33 00-0179	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	65,141.22	799.66
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	6,036.09	
		For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0180	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	69,879.09	888.51
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	6,036.09	
		For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0181	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	86,149.58	932.94
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	6,036.09	
		For Horizontal Service Car, Add	9,738.09	
22 13 33 00-0182	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	114,646.77	977.37
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	8,487.61	
		For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0183	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	140,899.95	1,155.07
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	8,487.61	
		For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0184	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	134,954.32	1,199.50
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	8,487.61	
		For Horizontal Service Car, Add	11,124.54	
22 13 33 00-0185	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	139,121.72	1,243.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	11,474.76	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0186	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	147,470.95	1,332.78
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	11,474.76	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0187	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	156,405.24	1,421.62
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	11,474.76	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0188	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	156,741.76	1,243.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	14,060.18	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0189	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	197,394.69	1,510.47
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	14,060.18	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0190	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	180,095.31	1,688.18
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	14,060.18	
		For Horizontal Service Car, Add	14,317.70	
22 13 33 00-0191	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	16,502.37	266.55
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,656.68	
22 13 33 00-0192	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	14,854.11	310.98
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,656.68	
22 13 33 00-0193	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	19,680.74	355.41
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,533.07	
22 13 33 00-0194	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	19,225.10	444.26
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,533.07	
22 13 33 00-0195	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	28,060.69	488.68
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,914.19	
22 13 33 00-0196	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	30,854.01	533.11
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	3,914.19	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0197	EA		12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	44,946.97 7,333.96 7,303.05	577.54
22 13 33 00-0198	EA		15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	49,425.44 7,333.96 7,303.05	621.96
22 13 33 00-0199	EA		20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	53,376.35 7,333.96 7,303.05	710.82
22 13 33 00-0200	EA		18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	68,056.27 6,036.09 9,738.09	799.66
22 13 33 00-0201	EA		30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	72,794.14 6,036.09 9,738.09	888.51
22 13 33 00-0202	EA		34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	89,064.62 6,036.09 9,738.09	932.94
22 13 33 00-0203	EA		34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	117,561.81 8,487.61 11,124.54	977.37
22 13 33 00-0204	EA		50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	143,814.99 8,487.61 11,124.54	1,155.07
22 13 33 00-0205	EA		67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	139,280.53 8,487.61 11,124.54	1,199.50
22 13 33 00-0206	EA		60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	143,447.93 11,474.76 14,317.70	1,243.92
22 13 33 00-0207	EA		85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	151,797.16 11,474.76 14,317.70	1,332.78
22 13 33 00-0208	EA		105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	160,731.45 11,474.76 14,317.70	1,421.62
22 13 33 00-0209	EA		70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	161,067.97 14,060.18 14,317.70	1,243.92
22 13 33 00-0210	EA		110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	201,720.90 14,060.18 14,317.70	1,510.47
22 13 33 00-0211	EA		130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable For Steel Z Stand Kit, Add For Horizontal Service Car, Add	184,637.83 14,060.18 14,317.70	1,688.18
22 13 33 00-0212			Submersible Pump Add-On Accessories (Flygt) (22 13 33 00-0001)		
22 13 33 00-0213	EA		3" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,326.21	
22 13 33 00-0214	EA		4" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,738.23	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0215	EA	6" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	5,150.25	
22 13 33 00-0216	EA	8" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	6,489.32	
22 13 33 00-0217	EA	6" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,978.63	
22 13 33 00-0218	EA	8" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,978.63	
22 13 33 00-0219	EA	10" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	14,317.70	
22 13 33 00-0220	EA	12" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	18,643.90	
22 13 33 00-0221	EA	14" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	21,631.05	
22 13 33 00-0222	EA	Mini CAS Unit: Thermal and Seal Protection Relay Unit Price.....	1,060.95	
22 13 33 00-0223 Submersible Pumps (Vaughan) (22 13 33)				
22 13 33 00-0224 Electric Submersible Pumps (Vaughan) (22 13 33 00-0223)				
22 13 33 00-0225	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	19,089.49	355.41
22 13 33 00-0226	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	21,511.81	444.26
22 13 33 00-0227	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	21,289.68	355.41
22 13 33 00-0228	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	23,464.79	444.26
22 13 33 00-0229	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	25,641.96	533.11
22 13 33 00-0230	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	28,185.81	621.96
22 13 33 00-0231	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	24,686.42	444.26
22 13 33 00-0232	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	26,742.05	533.11
22 13 33 00-0233	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	29,162.30	621.96
22 13 33 00-0234	EA	20 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	30,606.07	710.82
22 13 33 00-0235	EA	15 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	29,895.70	621.96
22 13 33 00-0236	EA	20 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	31,339.47	710.82
22 13 33 00-0237	EA	25 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	35,714.76	799.66
22 13 33 00-0238	EA	30 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	37,646.77	888.51
22 13 33 00-0239	EA	5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	30,084.25	355.41
22 13 33 00-0240	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	25,564.39	355.41
22 13 33 00-0241	EA	5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	22,937.76	355.41
22 13 33 00-0242	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	32,137.81	444.26
22 13 33 00-0243	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	27,617.95	444.26
22 13 33 00-0244	EA	7.5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	25,174.67	444.26
22 13 33 00-0245	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,306.88	533.11
22 13 33 00-0246	EA	10 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	27,230.30	533.11
22 13 33 00-0247	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,650.54	621.96
22 13 33 00-0248	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	31,217.92	710.82
22 13 33 00-0249	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	34,981.36	799.66
22 13 33 00-0250	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	27,519.42	355.41
22 13 33 00-0251	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,092.84	444.26
22 13 33 00-0252	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	29,572.98	444.26
22 13 33 00-0253	EA	10 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,926.83	533.11
22 13 33 00-0254	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	31,261.91	533.11
22 13 33 00-0255	EA	15 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	35,392.04	621.96
22 13 33 00-0256	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	31,605.58	621.96
22 13 33 00-0257	EA	20 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	37,202.51	710.82
22 13 33 00-0258	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	32,561.10	710.82
22 13 33 00-0259	EA	25 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	41,334.71	799.66
22 13 33 00-0260	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	36,448.15	799.66
22 13 33 00-0261	EA	30 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	40,823.44	888.51
22 13 33 00-0262	EA	5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	38,635.72	355.41
22 13 33 00-0263	EA	7.5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,177.52	444.26
22 13 33 00-0264	EA	7.5 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	36,657.67	444.26
22 13 33 00-0265	EA	10 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,889.97	533.11
22 13 33 00-0266	EA	10 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	38,225.05	533.11
22 13 33 00-0267	EA	15 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	50,294.81	621.96
22 13 33 00-0268	EA	15 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	42,355.18	621.96
22 13 33 00-0269	EA	20 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	44,044.10	710.82
22 13 33 00-0270	EA	25 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	48,174.24	799.66
22 13 33 00-0271	EA	25 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	43,287.68	799.66
22 13 33 00-0272	EA	30 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	50,351.41	888.51
22 13 33 00-0273	EA	30 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	47,662.98	888.51
22 13 33 00-0274	EA	10 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	45,064.58	533.11
22 13 33 00-0275	EA	15 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	53,471.48	621.96
22 13 33 00-0276	EA	15 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	45,410.31	621.96
22 13 33 00-0277	EA	20 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	63,100.03	710.82
22 13 33 00-0278	EA	20 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	47,218.72	710.82
22 13 33 00-0279	EA	25 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	63,810.40	799.66



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

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 33 00-0280	EA	25 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	51,350.92		799.66
22 13 33 00-0281	EA	30 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	66,964.05		888.51
22 13 33 00-0282	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	53,404.47		888.51
22 13 33 00-0283	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8P)	53,404.47		888.51
22 13 33 00-0284	EA	25 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	73,095.27		799.66
22 13 33 00-0285	EA	30 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	76,248.92		888.51
22 13 33 00-0286	EA	30 HP, 1170 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	63,056.04		888.51
22 13 33 00-0287 Horizontal Chopper Pumps (Vaughan) (22 13 33 00-0223)					
22 13 33 00-0288	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3F6/HE3G6)	19,556.78		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0289	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3L6/HE3M6)	20,533.26		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0290	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3P6)	21,021.51		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0291	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3V6/HE3W6)	21,021.51		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0292	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4K6/HE4L6)	21,733.95		666.38
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0293	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4S6/HE4T6)	22,710.44		666.38
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0294	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6U8)	24,998.66		832.98
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0295	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6W8/6X)	24,998.66		832.98
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0296	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3F6/HE3G6)	20,045.02		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0297	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3L6/HE3M6)	21,021.51		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0298	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3P6)	21,511.81		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0299	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3V6/HE3W6)	21,511.81		555.32
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0300	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4K6/HE4L6)	22,222.19		666.38
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0301	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4S6/HE4T6)	23,198.68		666.38
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0302	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE6U8)	25,486.91		832.98
		For Stool, Deduct	-721.02		
		For Coupling, Deduct	-206.01		
		For Base, Deduct	-1,133.04		
22 13 33 00-0303	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3F6/STHE3G6)	27,741.55		555.32
22 13 33 00-0304	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3L6/STHE3M6)	28,963.19		555.32
22 13 33 00-0305	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3P6)	30,184.83		555.32
22 13 33 00-0306	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3V6/STHE3W6)	30,184.83		555.32
22 13 33 00-0307	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4K6/STHE4L6)	30,895.22		666.38
22 13 33 00-0308	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4S6/STHE4T6)	37,734.75		666.38
22 13 33 00-0309	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6U8)	46,131.17		832.98
22 13 33 00-0310	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6W8/6X)	46,131.17		832.98
22 13 33 00-0311	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3F6/STHE3G6)	28,229.80		555.32
22 13 33 00-0312	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3L6/STHE3M6)	29,451.44		555.32

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0313	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3P6)	30,673.08	555.32
22 13 33 00-0314	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3V6/STHE3W6).....	30,673.08	555.32
22 13 33 00-0315	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4K6/STHE4L6).....	31,383.46	666.38
22 13 33 00-0316	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4S6/STHE4T6).....	38,225.05	666.38
22 13 33 00-0317	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6U8).....	46,619.41	832.98
22 13 33 00-0318	EA		3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6W8/6X)	46,619.41	832.98
22 13 33 00-0319 Horizontal End Suction Pumps (Vaughan) (22 13 33 00-0223)					
22 13 33 00-0320	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES).....	40,113.07	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0321	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET).....	42,556.35	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0322	EA		8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	49,641.03	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0323	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	49,641.03	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0324	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES).....	52,084.31	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0325	EA		8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	49,641.03	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0326	EA		8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	67,431.33	1,221.71
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,266.11	
			For Coupling, Deduct	-412.02	
22 13 33 00-0327	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	67,431.33	1,221.71
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,266.11	
			For Coupling, Deduct	-412.02	
22 13 33 00-0328	EA		8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	80,091.98	1,443.84
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,472.12	
			For Coupling, Deduct	-412.02	
22 13 33 00-0329	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	80,091.98	1,443.84
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,472.12	
			For Coupling, Deduct	-412.02	
22 13 33 00-0330	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K- HES).....	66,010.59	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0331	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K- HET).....	68,453.87	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0332	EA		8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE).....	84,578.27	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0333	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P- HER).....	84,578.27	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0334	EA		8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P- HES).....	87,021.55	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	
22 13 33 00-0335	EA		8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE).....	84,578.27	999.57
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,060.10	
			For Coupling, Deduct	-412.02	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0336	EA		8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	110,674.89	1,221.71
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,266.11	
			For Coupling, Deduct	-412.02	
22 13 33 00-0337	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	110,674.89	1,221.71
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,266.11	
			For Coupling, Deduct	-412.02	
22 13 33 00-0338	EA		8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	129,686.83	1,443.84
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,472.12	
			For Coupling, Deduct	-412.02	
22 13 33 00-0339	EA		8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	129,686.83	1,443.84
			For Stool, Deduct	-1,030.05	
			For No Base, Deduct	-2,472.12	
			For Coupling, Deduct	-412.02	
22 13 33 00-0340 Vertical Pedestal Chopper Pumps (Vaughan) (22 13 33 00-0223)					
22 13 33 00-0341	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3F6/PE3G6)	19,556.78	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0342	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3L6/PE3M6)	20,533.26	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0343	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3P6)	21,021.51	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0344	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3V6/PE3W6)	21,021.51	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0345	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4K6/PE4L6)	21,733.95	666.38
			For Pedestal, Deduct	-1,290.82	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0346	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4S6/PE4T6)	22,710.44	666.38
			For Pedestal, Deduct	-1,290.82	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0347	EA		3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE6U8)	25,486.91	832.98
			For pedestal, Deduct	-1,648.08	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0348	EA		Ductile Iron And Stainless Steel, Upgraded Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8K-PES)	40,844.41	999.57
			For No Stool, Deduct	-1,030.05	
			For No Coupling, Deduct	-412.02	
			For No Pedestal, Deduct	-2,472.12	
22 13 33 00-0349	EA		3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3F6/PE3G6)	20,045.02	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0350	EA		Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PE)	50,617.52	999.57
			For No Stool, Deduct	-1,030.05	
			For No Coupling, Deduct	-412.02	
			For No Pedestal, Deduct	-2,472.12	
			For Stool, Deduct	-1,030.05	
22 13 33 00-0351	EA		3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3L6/PE3M6)	21,021.51	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0352	EA		Ductile Iron And Stainless Steel, Standard Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PER)	50,617.52	999.57
			For No Stool, Deduct	-1,030.05	
			For No Coupling, Deduct	-412.02	
			For No Pedestal, Deduct	-2,472.12	
22 13 33 00-0353	EA		3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3P6)	21,511.81	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	
22 13 33 00-0354	EA		Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8N-PE)	50,617.52	999.57
			For No Stool, Deduct	-1,030.05	
			For No Coupling, Deduct	-412.02	
			For No Pedestal, Deduct	-2,472.12	
22 13 33 00-0355	EA		3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3V6/PE3W6)	21,511.81	555.32
			For Pedestal, Deduct	-1,133.04	
			For Stool, Deduct	-721.02	
			For Coupling, Deduct	-206.01	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0356 EA Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 10R-PE)	69,141.22	1,221.71
For No Stool, Deduct	-1,030.05	
For No Coupling, Deduct	-412.02	
For No Pedestal, Deduct	-2,678.13	
22 13 33 00-0357 EA 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4K6/PE4L6)	22,222.19	666.38
For Pedestal, Deduct	-1,290.82	
For Stool, Deduct	-721.02	
For Coupling, Deduct	-206.01	
22 13 33 00-0358 EA Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 12W-PE)	81,801.86	1,443.84
For No Stool, Deduct	-1,030.05	
For No Coupling, Deduct	-412.02	
For No Pedestal, Deduct	-2,884.14	
22 13 33 00-0359 EA 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4S6/PE4T6)	23,198.68	666.38
For Pedestal, Deduct	-1,290.82	
For Stool, Deduct	-721.02	
For Coupling, Deduct	-206.01	
22 13 33 00-0360 EA 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE6W8/6X)	25,975.15	832.98
For pedestal, Deduct	-1,648.08	
For Stool, Deduct	-721.02	
For Coupling, Deduct	-206.01	
22 13 33 00-0361 Submersible Pump Accessories (Vaughan) (22 13 33)		
22 13 33 00-0362 EA Guide Rail Adapter Bracket For 3" Submersible Pump	1,221.64	
22 13 33 00-0363 EA Discharge Elbow Base For 3" Submersible Pump	1,805.39	63.75
22 13 33 00-0364 EA Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	511.42	11.45
22 13 33 00-0365 EA Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump	488.24	
22 13 33 00-0366 EA Class 1, Guide Rail Adapter Bracket For 3" Submersible Pump	3,176.67	
22 13 33 00-0367 EA Class 1, Discharge Elbow Base For 3" Submersible Pump	1,709.88	
22 13 33 00-0368 EA Class 1, Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	511.42	11.45
22 13 33 00-0369 EA Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump	488.24	
22 13 33 00-0370 EA 25", 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 3" Submersible Pump	854.94	
22 13 33 00-0371 EA 25", Galvanized, Safety Chain With Hook For 3" Submersible Pump	733.40	
22 13 33 00-0372 EA 25", 316 Stainless Steel, Safety Chain With Clevis For 3" Submersible Pump	1,709.88	
22 13 33 00-0373 LF Galvanized Pipe, Guide Rails For 3" Submersible Pump	97.34	11.45
22 13 33 00-0374 LF 316 Stainless Steel Pipe, Guide Rails For 3" Submersible Pump	181.81	11.45
22 13 33 00-0375 EA Stainless Steel, Cable Holder Bracket For 3" Submersible Pump	609.79	
22 13 33 00-0376 EA Guide Rail Adapter Bracket For 4" Submersible Pump	1,466.79	
22 13 33 00-0377 EA Discharge Elbow Base For 4" Submersible Pump	2,066.09	74.08
22 13 33 00-0378 EA Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	511.42	11.45
22 13 33 00-0379 EA Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	512.96	
22 13 33 00-0380 EA Class 1, Guide Rail Adapter Bracket For 4" Submersible Pump	3,419.77	
22 13 33 00-0381 EA Class 1, Discharge Elbow Base For 4" Submersible Pump	1,955.03	
22 13 33 00-0382 EA Class 1, Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	511.42	11.45
22 13 33 00-0383 EA Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	512.96	
22 13 33 00-0384 EA 25", 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 4" Submersible Pump	854.94	
22 13 33 00-0385 EA 25", Galvanized, Safety Chain With Hook For 4" Submersible Pump	733.40	
22 13 33 00-0386 EA 25", 316 Stainless Steel, Safety Chain With Clevis For 4" Submersible Pump	1,709.88	
22 13 33 00-0387 EA Galvanized Pipe, Guide Rails For 4" Submersible Pump	74.16	
22 13 33 00-0388 EA 316 Stainless Steel Pipe, Guide Rails For 4" Submersible Pump	181.81	11.45
22 13 33 00-0389 EA Stainless Steel, Cable Holder Bracket For 4" Submersible Pump	609.79	
22 13 33 00-0390 EA Portable Stand For 4" Submersible Pump	976.49	
22 13 33 00-0391 EA Guide Rail Adapter Bracket For 6" Submersible Pump	1,709.88	
22 13 33 00-0392 EA Discharge Elbow Base For 6" Submersible Pump	2,587.66	96.30
22 13 33 00-0393 EA Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	511.42	11.45
22 13 33 00-0394 EA Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump	537.69	
22 13 33 00-0395 EA Class 1, Guide Rail Adapter Bracket For 6" Submersible Pump	3,664.92	
22 13 33 00-0396 EA Class 1, Discharge Elbow Base For 6" Submersible Pump	2,443.28	
22 13 33 00-0397 EA Class 1, Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	511.42	11.45
22 13 33 00-0398 EA Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump	537.69	
22 13 33 00-0399 EA 25", 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 6" Submersible Pump	854.94	
22 13 33 00-0400 EA 25", Galvanized, Safety Chain With Hook For 6" Submersible Pump	733.40	
22 13 33 00-0401 EA 25", 316 Stainless Steel, Safety Chain With Clevis For 6" Submersible Pump	1,709.88	
22 13 33 00-0402 EA Galvanized Pipe, Guide Rails For 6" Submersible Pump	74.16	
22 13 33 00-0403 EA 316 Stainless Steel Pipe, Guide Rails For 6" Submersible Pump	181.81	11.45
22 13 33 00-0404 EA Stainless Steel, Cable Holder Bracket For 6" Submersible Pump	609.79	
22 13 33 00-0405 EA Portable Stand For 6" Submersible Pump	976.49	
22 13 33 00-0406 EA Guide Rail Adapter Bracket For 8" Submersible Pump	2,198.13	
22 13 33 00-0407 EA Discharge Elbow Base For 8" Submersible Pump	3,824.85	106.62
22 13 33 00-0408 EA Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump	854.94	
22 13 33 00-0409 EA Class 1, Guide Rail Adapter Bracket For 8" Submersible Pump	4,153.16	
22 13 33 00-0410 EA Class 1, Discharge Elbow Base For 8" Submersible Pump	3,664.92	
22 13 33 00-0411 EA Class 1, Top Guide Rail And Lift Chain Bracket For 8" Submersible Pump	756.58	11.45
22 13 33 00-0412 EA Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump	854.94	
22 13 33 00-0413 EA 25", 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 8" Submersible Pump	1,831.43	
22 13 33 00-0414 EA 25", Galvanized, Safety Chain With Hook For 8" Submersible Pump	1,466.79	
22 13 33 00-0415 EA 25", 316 Stainless Steel, Safety Chain With Clevis For 8" Submersible Pump	4,153.16	
22 13 33 00-0416 EA Galvanized Pipe, Guide Rails For 8" Submersible Pump	121.55	
22 13 33 00-0417 EA 316 Stainless Steel Pipe, Guide Rails For 8" Submersible Pump	268.33	11.45
22 13 33 00-0418 EA Stainless Steel, Cable Holder Bracket For 8" Submersible Pump	609.79	
22 13 33 00-0419 EA Portable Stand For 8" Submersible Pump	2,198.13	
22 13 33 00-0420 EA Guide Rail Adapter Bracket For 10" Submersible Pump	2,688.43	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0421 EA Discharge Elbow Base For 10" Submersible Pump	4,328.64	116.62
22 13 33 00-0422 EA Straight Thru Discharge Base For 10" Submersible Pump	4,153.16	
22 13 33 00-0423 EA Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	756.58	
22 13 33 00-0424 EA Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump	1,629.54	11.57
22 13 33 00-0425 EA Class 1, Guide Rail Adapter Bracket For 10" Submersible Pump	5,619.95	
22 13 33 00-0426 EA Class 1, Discharge Elbow Base For 10" Submersible Pump	4,153.16	
22 13 33 00-0427 EA Class 1, Straight Thru Discharge Base For 10" Submersible Pump	4,153.16	11.57
22 13 33 00-0428 EA Class 1, Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	756.58	
22 13 33 00-0429 EA Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump	1,221.64	
22 13 33 00-0430 EA 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 10" Submersible Pump	1,831.43	11.57
22 13 33 00-0431 EA 25', Galvanized, Safety Chain With Hook For 10" Submersible Pump	1,466.79	
22 13 33 00-0432 EA 25", 316 Stainless Steel, Safety Chain With Clevis For 10" Submersible Pump	4,153.16	
22 13 33 00-0433 EA Galvanized Pipe, Guide Rails For 10" Submersible Pump	144.73	11.57
22 13 33 00-0434 EA 316 Stainless Steel Pipe, Guide Rails For 10" Submersible Pump	268.33	
22 13 33 00-0435 EA Stainless Steel, Cable Holder Bracket For 10" Submersible Pump	609.79	
22 13 33 00-0436 EA Portable Stand For 10" Submersible Pump	2,198.13	11.57
22 13 33 00-0437 EA 5 - 15 HP, 3" - 6" Pump Belt Drive	2,931.52	
22 13 33 00-0438 EA 20 - 30 HP, 3" - 6" Pump Belt Drive	3,176.67	
22 13 33 00-0439 EA 40 - 50 HP, 3" - 6" Pump Belt Drive	3,419.77	11.57
22 13 33 00-0440 EA 60 - 75 HP, 3" - 6" Pump Belt Drive	3,664.92	
22 13 33 00-0441 EA 100 HP, 3" - 6" Pump Belt Drive	3,910.07	
22 13 33 00-0442 EA 5 - 15 HP, 8" - 12" Pump Belt Drive	4,398.31	11.57
22 13 33 00-0443 EA 20 - 30 HP, 8" - 12" Pump Belt Drive	4,641.41	
22 13 33 00-0444 EA 40 - 50 HP, 8" - 12" Pump Belt Drive	4,886.56	
22 13 33 00-0445 EA 60 - 75 HP, 8" - 12" Pump Belt Drive	5,129.65	11.57
22 13 33 00-0446 EA 100 HP, 8" - 12" Pump Belt Drive	5,619.95	
22 13 33 00-0447 EA 125 HP, 8" - 12" Pump Belt Drive	6,596.44	
22 13 33 00-0448 EA 150 - 200 HP, 8" - 12" Pump Belt Drive	6,841.59	
22 13 33 00-0449 Submersible Pumps (Zoeller) (22 13 33)		
22 13 33 00-0450 EA 0.5 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6282)	3,412.94	310.98
For Moisture Probe, Add	271.93	
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	310.98
For Certified Test, Add	453.22	
For 50' Cord Adder, Add	283.26	
22 13 33 00-0451 EA 1 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6284)	3,712.91	355.41
For Moisture Probe, Add	271.93	
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	355.41
For Certified Test, Add	453.22	
For 50' Cord Adder, Add	283.26	
22 13 33 00-0452 EA 1 HP, 2" Discharge, 3450 RPM, Vortex Impeller With 25' Cord (Zoeller 6292)	3,596.51	355.41
For Moisture Probe, Add	271.93	
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	355.41
For Certified Test, Add	453.22	
For 50' Cord Adder, Add	283.26	
22 13 33 00-0453 EA 0.5 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6282)	6,227.44	310.98
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	
For Certified Test, Add	453.22	310.98
For 50' Cord Adder, Add	283.26	
22 13 33 00-0454 EA 1 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6284)	6,909.56	355.41
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	
For Certified Test, Add	453.22	355.41
For 50' Cord Adder, Add	283.26	
22 13 33 00-0455 EA 1 HP, 2" Discharge, 3450 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6292)	6,660.91	355.41
For 3 Phase Adder, Add	169.96	
For Silicone Carbide / Silicone Carbide Seal	192.62	
For Certified Test, Add	453.22	355.41
For 50' Cord Adder, Add	283.26	
22 13 33 00-0456 EA 1 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6120)	7,614.32	355.41
22 13 33 00-0457 EA 1.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6121)	8,178.09	
For Silicone Carbide / Silicone Carbide Seal	192.62	
For Certified Test, Add	453.22	477.58
For 1 Phase Adder, Add	249.27	
For 3" Solids Capacity, Add	634.51	
For Impeller Trim, Add	339.92	477.58
For Thermal And Moisture Sensors, Add	385.24	
For 50' Cord Adder, Add	566.53	
22 13 33 00-0458 EA 2 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6122)	8,343.02	599.74
For Silicone Carbide / Silicone Carbide Seal	192.62	
For Certified Test, Add	453.22	
For 1 Phase Adder, Add	249.27	599.74
For 3" Solids Capacity, Add	634.51	
For Impeller Trim, Add	339.92	
For Thermal And Moisture Sensors, Add	385.24	599.74
For 50' Cord Adder, Add	566.53	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0459	EA	3 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6123)	9,175.83	721.92
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For Thermal And Moisture Sensors, Add	385.24	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0460	EA	5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6124)	10,295.00	844.09
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For Thermal And Moisture Sensors, Add	385.24	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0461	EA	7.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6125)	12,771.77	966.26
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For Thermal And Moisture Sensors, Add	385.24	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0462	EA	1 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6120)	9,334.30	355.41
22 13 33 00-0463	EA	1.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6121)	9,721.31	477.58
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0464	EA	2 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6122)	10,285.08	599.74
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0465	EA	3 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6123)	11,050.52	721.92
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0466	EA	5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller Engineered Products X6124)	12,171.75	844.09
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0467	EA	7.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6125)	12,771.77	966.26
		For Silicone Carbide / Silicone Carbide Seal	192.62	
		For Certified Test, Add	453.22	
		For 1 Phase Adder, Add	249.27	
		For 3" Solids Capacity, Add	634.51	
		For Impeller Trim, Add	339.92	
		For 50' Cord Adder, Add	566.53	
22 13 33 00-0468	EA	115 V/230 V, Variable Level Control Switch With 25' Cord (Zoeller 10-1877)	168.84	27.77
22 13 33 00-0469	EA	115 V/230 V, Variable Level Control Switch With 50' Cord (Zoeller 10-1879)	227.75	27.77
22 13 33 00-0470	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 25' Cord (Zoeller 10-2066)	209.63	27.77
22 13 33 00-0471	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 50' Cord (Zoeller 10-2068)	268.54	27.77
22 13 33 00-0472	EA	Stainless Steel, 4 Float Bracket (Zoeller 10-0253)	388.10	69.97
22 13 33 00-0473	EA	2" Z Rail Base Elbow And Disconnect (Zoeller 39-0128)	1,537.12	52.20
22 13 33 00-0474	EA	2" Z Rail Base Elbow And Disconnect With Stainless Steel Upper Rail Bracket (Zoeller 39-0129)	2,003.94	52.20
22 13 33 00-0475	EA	3" Base Elbow And Disconnect (Zoeller 39-0094)	2,626.75	63.30
22 13 33 00-0476	EA	4" Base Elbow And Disconnect (Zoeller 39-0016)	3,524.65	74.41
22 13 33 00-0477		Mounted Motors (Vaughan) (22 13 33)		
22 13 33 00-0478		C-FACE Mounted Motors (Vaughan) (22 13 33 00-0477)		
22 13 33 00-0479	EA	5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,722.68	275.06
22 13 33 00-0480	EA	5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,906.03	275.06
22 13 33 00-0481	EA	5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,379.49	275.06
22 13 33 00-0482	EA	5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,587.56	275.06
22 13 33 00-0483	EA	7.5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,016.16	275.06
22 13 33 00-0484	EA	7.5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,957.62	275.06
22 13 33 00-0485	EA	7.5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,244.47	275.06
22 13 33 00-0486	EA	7.5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,551.43	275.06
22 13 33 00-0487	EA	10 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,249.71	481.34
22 13 33 00-0488	EA	10 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	7,263.28	481.34



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0489 EA 10 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,721.97	481.34
22 13 33 00-0490 EA 10 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	4,123.69	481.34
22 13 33 00-0491 EA 15 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,295.89	481.34
22 13 33 00-0492 EA 15 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,932.46	481.34
22 13 33 00-0493 EA 15 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,242.82	481.34
22 13 33 00-0494 EA 15 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,718.70	481.34
22 13 33 00-0495 EA 15 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,218.10	481.34
22 13 33 00-0496 EA 20 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	10,264.94	687.63
22 13 33 00-0497 EA 20 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	11,754.39	687.63
22 13 33 00-0498 EA 20 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,466.11	687.63
22 13 33 00-0499 EA 20 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,674.18	687.63
22 13 33 00-0500 EA 20 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,354.87	687.63
22 13 33 00-0501 EA 25 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,139.17	687.63
22 13 33 00-0502 EA 25 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	13,165.10	687.63
22 13 33 00-0503 EA 25 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,911.85	687.63
22 13 33 00-0504 EA 25 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,229.10	687.63
22 13 33 00-0505 EA 25 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TSC)	7,728.50	687.63
22 13 33 00-0506 EA 30 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,209.31	687.63
22 13 33 00-0507 EA 30 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,992.15	687.63
22 13 33 00-0508 EA 30 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,689.45	687.63
22 13 33 00-0509 EA 30 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	10,021.13	687.63
22 13 33 00-0510 EA 40 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	16,970.15	1,031.45
22 13 33 00-0511 EA 40 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	21,490.00	1,031.45
22 13 33 00-0512 EA 40 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,633.63	1,031.45
22 13 33 00-0513 EA 50 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	23,131.29	1,031.45
22 13 33 00-0514 EA 50 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	24,169.58	1,031.45
22 13 33 00-0515 EA 50 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,139.80	1,031.45
22 13 33 00-0516 EA 50 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,396.46	1,031.45
22 13 33 00-0517 Foot Mounted Motors (Vaughan) (22 13 33 00-0477)		
22 13 33 00-0518 EA 5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,442.51	275.06
22 13 33 00-0519 EA 5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,809.20	275.06
22 13 33 00-0520 EA 5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,255.89	275.06
22 13 33 00-0521 EA 5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,550.48	275.06
22 13 33 00-0522 EA 7.5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,577.36	275.06
22 13 33 00-0523 EA 7.5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,566.20	275.06
22 13 33 00-0524 EA 7.5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	2,756.23	275.06
22 13 33 00-0525 EA 7.5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	3,489.62	275.06
22 13 33 00-0526 EA 10 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,761.46	481.34
22 13 33 00-0527 EA 10 HP, 1170 RPM, hemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,884.22	481.34
22 13 33 00-0528 EA 10 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,427.37	481.34
22 13 33 00-0529 EA 10 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	4,063.94	481.34
22 13 33 00-0530 EA 15 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,649.02	481.34
22 13 33 00-0531 EA 15 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	8,419.50	481.34
22 13 33 00-0532 EA 15 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,521.79	481.34
22 13 33 00-0533 EA 15 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,485.91	481.34
22 13 33 00-0534 EA 20 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,618.07	687.63
22 13 33 00-0535 EA 20 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	11,229.06	687.63
22 13 33 00-0536 EA 20 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,611.17	687.63
22 13 33 00-0537 EA 20 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,550.58	687.63
22 13 33 00-0538 EA 25 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,321.31	687.63
22 13 33 00-0539 EA 25 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	12,468.79	687.63
22 13 33 00-0540 EA 25 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	6,848.84	687.63
22 13 33 00-0541 EA 25 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	8,119.92	687.63
22 13 33 00-0542 EA 30 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,208.10	687.63
22 13 33 00-0543 EA 30 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	14,295.83	687.63
22 13 33 00-0544 EA 30 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	8,138.20	687.63
22 13 33 00-0545 EA 30 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,617.35	687.63
22 13 33 00-0546 EA 40 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	16,811.52	1,031.45
22 13 33 00-0547 EA 40 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	19,401.06	1,031.45
22 13 33 00-0548 EA 40 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,703.32	1,031.45
22 13 33 00-0549 EA 40 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,692.17	1,031.45
22 13 33 00-0550 EA 50 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	21,922.01	1,031.45
22 13 33 00-0551 EA 50 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	22,727.51	1,031.45
22 13 33 00-0552 EA 50 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,797.82	1,031.45
22 13 33 00-0553 EA 50 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,603.32	1,031.45
22 13 33 00-0554 Submersible Pumps (Hayward Gordon) (22 13 33)		
22 13 33 00-0555 Chopper Pumps (Hayward Gordon) (22 13 33 00-0554)		
22 13 33 00-0556 EA 5 HP, 460 Volt, 60 Hertz, 28' Total Dynamic Head, 180 GPM, 1510 RPM, 3 Phase, Submersible Chopper Pump (Hayward Gordon)	34,262.13	355.41
22 13 33 00-0557 EA 20 HP, 460 Volt, 60 Hertz, 60' Total Dynamic Head, 600 GPM, 1570 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 20-60-600-1570SP)	58,120.77	710.82
22 13 33 00-0558 EA 75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 790 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 75-29-5500-790SP)	109,330.79	1,199.50
22 13 33 00-0559 Recessed Impeller Centrifugal Pumps (Hayward Gordon) (22 13 33 00-0554)		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0560	EA	40 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 450 GPM, 1460 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon).....	49,413.70	977.37
22 13 33 00-0561	EA	50 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 1,000 GPM, 1550 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon).....	55,059.70	1,155.07
22 13 33 00-0562	EA	100 HP, 460 Volt, 60 Hertz, 130' Total Dynamic Head, 900 GPM, 1430 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon 100-130-900-1430SP).....	90,665.39	1,421.62
22 13 33 00-0563	EA	100 HP, 460 Volt, 60 Hertz, 53' To 132' Total Dynamic Head, 952 GPM, 1450 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon).....	90,665.39	1,421.62
22 13 33 00-0564 Screw Centrifugal Pumps (Hayward Gordon) (22 13 33 00-0554)				
22 13 33 00-0565	EA	25 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 900 GPM, 1700 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon).....	46,806.34	799.66
22 13 33 00-0566	EA	60 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 1500 GPM, 1460 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon).....	67,173.09	1,155.07
22 13 33 00-0567	EA	75 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 1440 GPM, 1510 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon).....	76,163.18	1,199.50
22 13 33 00-0568	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 970 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon 75-29-5500-970SP).....	103,995.13	1,199.50
22 13 33 00-0569	EA	100 HP, 460 Volt, 60 Hertz, 44' Total Dynamic Head, 4514 GPM, 1030 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon).....	103,314.40	1,421.62
22 13 33 00-0570	EA	100 HP, 460 Volt, 60 Hertz, 132' Total Dynamic Head, 900 GPM, 1690 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon).....	78,057.58	1,421.62
22 13 36 Packaged, Wastewater Pump Units (22 13)				
22 13 36 00-0001 Dri-Prime Pumps With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard (22 13 36)				
22 13 36 00-0002	EA	4" Trailer Mounted Trash Pump (Godwin Pumps CD100M).....	40,547.71	
22 13 36 00-0003	EA	4" Skid Mounted Trash Pump (Godwin Pumps CD100M).....	39,122.86	
22 13 36 00-0004	EA	6" Trailer Mounted Trash Pump (Godwin Pumps CD150M).....	52,390.85	
22 13 36 00-0005	EA	6" Skid Mounted Trash Pump (Godwin Pumps CD150M).....	50,521.68	
22 13 36 00-0006	EA	8" Trailer Mounted Trash Pump (Godwin Pumps CD225M).....	74,077.72	
22 13 36 00-0007	EA	8" Skid Mounted Trash Pump (Godwin Pumps CD225M).....	71,136.09	
22 13 36 00-0008 Dri-Prime Pumps Critically Silenced With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard (22 13 36)				
22 13 36 00-0009	EA	4" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD100M).....	61,414.91	
22 13 36 00-0010	EA	4" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD100M).....	55,646.56	
22 13 36 00-0011	EA	6" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD150M).....	73,641.07	
22 13 36 00-0012	EA	6" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD150M).....	67,918.68	
22 13 36 00-0013	EA	8" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD225M).....	93,137.04	
22 13 36 00-0014	EA	8" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD225M).....	85,055.22	
22 13 36 00-0015 Hydra Hydraulic Submersible Pumps With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard (22 13 36)				
Note: Includes pump, pumpend, and hoses.				
22 13 36 00-0016	EA	4" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR).....	46,384.62	
Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0017	EA	4" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR).....	45,038.18	
Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0018	EA	6" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR).....	62,550.30	
Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0019	EA	6" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR).....	60,509.73	
Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0020	EA	8" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR).....	115,521.54	
Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0021	EA	8" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR).....	108,839.51	
Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0022 Hydra Hydraulic Submersible Pumps Critically Silenced With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard (22 13 36)				
Note: Includes pump, pumpend, and hoses.				
22 13 36 00-0023	EA	4" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR).....	73,263.30	
Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0024	EA	4" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR).....	67,417.57	
Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0025	EA	6" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR).....	91,979.70	
Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0026	EA	6" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR).....	83,156.73	
Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0027	EA	8" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR).....	144,373.89	
Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.				
22 13 36 00-0028	EA	8" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR).....	133,376.55	
Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.				



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 36 00-0029	Auto Start Controls Accessories (22 13 36)	
22 13 36 00-0030	EA Two Float Assembly for Godwin PrimeGuard Controller	546.96
22 13 36 00-0031	EA Level Transducer for Godwin PrimeGuard Controller	2,745.52
22 13 36 00-0032	EA Pressure Transducer for Godwin PrimeGuard Controller	957.56
22 13 36 00-0033	EA 3016D/4045D Auto Throttle for Godwin PrimeGuard Controller	1,601.04

22 14 Facility Storm Drainage (22 10)

22 14 13	Facility Storm Drainage Piping (22 14)
	See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001	Cast Iron Roof Drains (22 14 26 13)	
22 14 26 13-0002	Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)	
	Note: Dome free area is 124 square inches.	
22 14 26 13-0003	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,009.09
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0004	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,101.65
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0005	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,194.20
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0006	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,607.46
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0007	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,653.74
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0008	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,963.08
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0009	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,675.80
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Bronze Dome, Add	448.80
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

	Note: With polypropylene dome. Dome free area is 124 square inches.	
22 14 26 13-0011	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,578.29
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0012	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,710.61
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0013	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,880.59
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00
22 14 26 13-0014	EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,605.65
	For Galvanized Iron Parts, Add	518.00
	For Deck Clamp Assembly, Add	130.00
	For Drain Receiver, Add	147.00
	For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,796.32	370.18
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)					
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,194.63	185.14
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,287.19	222.13
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,379.74	277.66
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,775.44	333.19
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,821.72	370.18
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)					
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,425.84	74.08
			For Vandal Proof Grate, Add	33.00	
			For Galvanized Cast Iron Parts, Add	128.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,462.86	92.52
			For Vandal Proof Grate, Add	33.00	
			For Galvanized Cast Iron Parts, Add	128.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,479.69	100.96
			For Vandal Proof Grate, Add	33.00	
			For Galvanized Cast Iron Parts, Add	128.00	
			For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,083.26	133.83
			For Vandal Proof Grate, Add	33.00	
			For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,142.30	163.38
			For Vandal Proof Grate, Add	33.00	
			For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)					
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,110.08	185.14
			For Galvanized Iron Parts, Add	144.00	
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,202.64	222.13
			For Galvanized Iron Parts, Add	144.00	
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,295.19	277.66
			For Galvanized Iron Parts, Add	144.00	
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)					
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,197.89	185.14
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,290.45	222.13
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



Plumbing			22
Plumbing Piping			22 10
Facility Storm Drainage			22 14

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,383.00	277.66
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,796.27	333.19
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,842.55	370.18
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,151.89	388.72
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,864.61	402.61
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0040		Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041		Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,230.83	185.14
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,323.39	222.13
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,415.94	277.66
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,875.48	369.85
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,185.05	388.72
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,897.54	402.61
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0048		Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	876.00	222.13
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	984.44	277.66
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,186.85	333.19
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,296.70	369.85
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,019.04	222.13
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,121.13	277.66
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,333.07	333.19
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,398.42	369.85
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	882.36	222.13
		For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	990.80	277.66
		For Copolymer Strainer Dome, Deduct	-24.00	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,193.21		333.19
		<i>For Copolymer Strainer Dome, Deduct</i>	-24.00		
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,252.20		369.85
		<i>For Copolymer Strainer Dome, Deduct</i>	-24.00		
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)					
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	533.06		111.06
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	533.06		111.06
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	533.06		111.06
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	837.48		138.83
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	837.48		138.83
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,098.11		138.83
22 14 26 16 Facility Area Drains (22 14 26)					
22 14 26 16-0001 Area Drain (22 14 26 16)					
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,210.52		133.72
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,239.35		148.16
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,269.68		163.38
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,301.29		179.15
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,961.88		133.72
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,990.71		148.16
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,021.04		163.38
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,052.65		179.15
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,994.57		133.72
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,023.40		148.16
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,053.73		163.38
		<i>For Ductile Iron Grate, Add</i>	123.50		
		<i>For Vandal Proof Screws, Add</i>	29.50		
		<i>For Primer Tap, Add</i>	36.00		
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25		



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,085.34	179.15
			For Ductile Iron Grate, Add	123.50	
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,510.69	133.72
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,539.52	148.16
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,569.85	163.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,601.46	179.15
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,160.69	133.72
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,189.52	148.16
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,219.85	163.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,251.46	179.15
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,170.16	133.72
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,198.99	148.16
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,229.32	163.38
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,260.93	179.15
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,410.93	133.72
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,439.76	148.16
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,470.09	163.38
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	840.60	133.72
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	869.43	148.16
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Grate, Add	30.50	

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

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	UNIT COST
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	899.76		163.38	
		For Galvanized Cast Iron Parts, Add	87.50			
		For Vandal Proof Grate, Add	30.50			
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,327.87		133.72	
		For Galvanized Cast Iron Parts, Add	87.50			
		For Vandal Proof Grate, Add	30.50			
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,356.70		148.16	
		For Galvanized Cast Iron Parts, Add	87.50			
		For Vandal Proof Grate, Add	30.50			
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,387.03		163.38	
		For Galvanized Cast Iron Parts, Add	87.50			
		For Vandal Proof Grate, Add	30.50			
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,326.27		133.72	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,355.10		148.16	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,385.43		163.38	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,800.77		133.72	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,829.60		148.16	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,859.93		163.38	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,060.48		133.72	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,089.31		148.16	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,119.64		163.38	
		For Vandal Proof Screws, Add	30.50			
		For Ductile Iron Grate, Add	126.00			
		For Galvanized Cast Iron Parts, Add	307.50			
22 14 26 19 Facility Trench Drains (22 14 26)						
22 14 26 19-0001 Trench Drain (22 14 26 19)						
Note: Each section is 39.4" in length.						
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,157.18		133.72	
		For Vandal Proof Screws, Add	48.50			
		For Ductile Iron Grate, Add	66.00			
		For Galvanized Cast Iron Parts, Add	98.25			
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,186.01		148.16	
		For Vandal Proof Screws, Add	48.50			
		For Ductile Iron Grate, Add	66.00			
		For Galvanized Cast Iron Parts, Add	98.25			
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,216.34		163.38	
		For Vandal Proof Screws, Add	48.50			
		For Ductile Iron Grate, Add	66.00			
		For Galvanized Cast Iron Parts, Add	98.25			



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	697.70	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	726.53	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	756.86	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,094.57	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,123.40	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,153.73	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,022.87	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	563.39	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	960.26	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	66.00	
			For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,844.89	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,873.72	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,904.05	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,276.34	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,305.17	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,335.50	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,767.13	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,795.96	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,826.29	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,541.93	133.72
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,570.76	148.16
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,601.09	163.38
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,710.56	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,142.01	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,632.80	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots	1,407.60	66.64
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)**22 14 29 13-0001 Vertical Mounted Sump Pumps** (22 14 29 13)

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



Plumbing			22
Plumbing Piping			22 10
Facility Storm Drainage			22 14

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0002 EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head..... For Explosion Proof Motor, Add	6,647.77 344.47	322.25
22 14 29 13-0003 EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head..... For Explosion Proof Motor, Add	7,014.67 382.95	390.04
22 14 29 13-0004 EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head..... For Explosion Proof Motor, Add	8,008.41 494.72	463.38
22 14 29 13-0005 EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head..... For Explosion Proof Motor, Add	8,522.11 560.68	570.06
22 14 29 13-0006 EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head..... For Explosion Proof Motor, Add	8,994.48 819.04	617.84
22 14 29 13-0007 EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head..... For Explosion Proof Motor, Add	10,663.53 928.98	741.18
22 14 29 13-0008 EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head..... For Explosion Proof Motor, Add	12,504.19 1,522.64	767.59
22 14 29 13-0009 EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head..... For Explosion Proof Motor, Add	15,198.31 2,021.03	971.01
22 14 29 13-0010 EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head..... For Explosion Proof Motor, Add	16,393.05 2,620.19	1,132.44
22 14 29 13-0011 EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head..... For Explosion Proof Motor, Add	22,043.92 3,413.57	1,359.41
22 14 29 13-0012 EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head..... For Explosion Proof Motor, Add	30,625.70 5,410.78	1,509.91
22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)		
22 14 29 13-0014 EA 1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66	
22 14 29 13-0015 EA 2" Diameter x 5' Long Extra Column Assembly	1,158.42	
22 14 29 13-0016 EA 2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58	
22 14 29 13-0017 EA 3" Diameter x 5' Long Extra Column Assembly	1,521.99	
22 14 29 13-0018 EA 4" Diameter x 5' Long Extra Column Assembly	1,701.17	
22 14 29 13-0019 EA 5" Diameter x 5' Long Extra Column Assembly	1,732.14	
22 14 29 13-0020 EA 6" Diameter x 5' Long Extra Column Assembly	1,944.51	
22 14 29 13-0021 EA 8" Diameter x 5' Long Extra Column Assembly	2,127.75	
22 14 29 13-0022 Support Plate (22 14 29 13)		
22 14 29 13-0023 EA 24" Steel Support Plate, Round Or Square.....	784.36	44.42
22 14 29 13-0024 EA 30" Steel Support Plate, Round Or Square.....	868.37	49.98
22 14 29 13-0025 EA 36" Steel Support Plate, Round Or Square.....	1,204.83	66.64
22 14 29 13-0026 EA 40" Steel Support Plate, Round Or Square.....	1,747.49	77.75
22 14 29 13-0027 EA 42" Steel Support Plate, Round Or Square.....	1,873.27	80.53
22 14 29 13-0028 EA 48" Steel Support Plate, Round Or Square.....	2,002.83	83.30
22 14 29 13-0029 EA 54" Steel Support Plate, Round Or Square.....	2,551.16	99.96
22 14 29 13-0030 EA 60" Steel Support Plate, Round Or Square.....	3,454.60	111.06
22 14 29 13-0031 EA 72" Steel Support Plate, Round Or Square.....	4,612.01	138.83
22 14 29 13-0032 EA 84" Steel Support Plate, Round Or Square.....	5,567.66	152.71
22 14 29 16 Submersible Sump Pumps (22 14 29)		
22 14 29 16-0001 Submersible Sump/Effluent Pumps (22 14 29 16)		
22 14 29 16-0002 Wet Pit Submersible Pumps, (KSB) Series KRT K (22 14 29 16-0001)		
Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0003 4 Pole / 1,750 RPM (22 14 29 16-0002)		
22 14 29 16-0004 EA To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump	8,624.39	384.59
22 14 29 16-0005 EA 11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump	10,172.78	640.98
22 14 29 16-0006 EA 21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump	17,394.29	897.38
22 14 29 16-0007 EA 51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump	41,714.91	1,153.77
22 14 29 16-0008 EA 83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump	45,250.92	1,410.16
22 14 29 16-0009 EA 83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump	49,094.50	1,410.16
22 14 29 16-0010 EA 83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump	50,023.09	1,410.16
22 14 29 16-0011 EA 110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump	58,230.97	1,666.55
22 14 29 16-0012 EA 110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump	59,877.69	1,666.55
22 14 29 16-0013 EA 110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump	61,941.63	1,666.55
22 14 29 16-0014 EA 160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump	65,888.52	1,922.95
22 14 29 16-0015 EA 160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump	70,282.24	1,922.95
22 14 29 16-0016 6 Pole / 1160 RPM (22 14 29 16-0002)		
22 14 29 16-0017 EA To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump	11,969.52	384.59
22 14 29 16-0018 EA To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump	12,959.03	384.59
22 14 29 16-0019 EA 11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump	16,881.50	640.98
22 14 29 16-0020 EA 11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump	18,389.77	640.98
22 14 29 16-0021 EA 21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump	26,587.87	897.38
22 14 29 16-0022 EA 21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump	28,188.44	897.38
22 14 29 16-0023 EA 21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump	34,060.89	897.38
22 14 29 16-0024 EA 21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump	40,658.85	897.38
22 14 29 16-0025 EA 51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump	41,439.84	1,153.77
22 14 29 16-0026 EA 51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump	47,363.98	1,153.77
22 14 29 16-0027 EA 51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump	47,740.58	1,153.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0028 EA 76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump	56,065.38	1,410.16
22 14 29 16-0029 EA 76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump	60,311.41	1,410.16
22 14 29 16-0030 EA 76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump	69,534.52	1,410.16
22 14 29 16-0031 EA 112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump	75,813.22	1,666.55
22 14 29 16-0032 EA 112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump	76,365.21	1,666.55
22 14 29 16-0033 EA 155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump	94,004.62	1,922.95
22 14 29 16-0034 EA 155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump	104,174.79	1,922.95
22 14 29 16-0035 EA 201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump	114,306.21	2,179.34
22 14 29 16-0036 EA 281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump	163,666.14	2,435.73
22 14 29 16-0037 8 Pole / 875 RPM (22 14 29 16-0002)		
22 14 29 16-0038 EA To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump	11,529.66	640.98
22 14 29 16-0039 EA 21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump	13,236.88	897.38
22 14 29 16-0040 EA 31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump	18,965.42	1,153.77
22 14 29 16-0041 EA 51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump	36,286.26	1,410.16
22 14 29 16-0042 EA 118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump	45,882.40	1,666.55
22 14 29 16-0043 EA 176-210 HP, 14,000 GPM At 50' Head, Wet Pit Submersible Pump	62,545.23	1,922.95
22 14 29 16-0044 EA 211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump	66,770.98	2,179.34
22 14 29 16-0045 10 Pole / 700 RPM (22 14 29 16-0002)		
22 14 29 16-0046 EA To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump	31,454.19	897.38
22 14 29 16-0047 EA 56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump	35,774.16	1,153.77
22 14 29 16-0048 EA 76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump	53,755.91	1,410.16
22 14 29 16-0049 EA 118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump	63,348.35	1,666.55
22 14 29 16-0050 Dry Pit Submersible Pumps, (KSB) Series KRT K-D (22 14 29 16-0001)		
Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0051 4 Pole / 1,750 RPM (22 14 29 16-0050)		
22 14 29 16-0052 EA To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump	27,455.54	897.38
22 14 29 16-0053 EA To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump	30,316.99	897.38
22 14 29 16-0054 EA 36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump	31,381.52	1,025.57
22 14 29 16-0055 EA 36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump	36,325.37	1,025.57
22 14 29 16-0056 EA 51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump	54,182.28	1,153.77
22 14 29 16-0057 EA 51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump	55,186.56	1,153.77
22 14 29 16-0058 EA 76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump	59,593.27	1,410.16
22 14 29 16-0059 EA 76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump	59,829.57	1,410.16
22 14 29 16-0060 EA 110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump	84,742.81	1,666.55
22 14 29 16-0061 EA 110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump	98,139.96	1,666.55
22 14 29 16-0062 6 Pole / 1160 RPM (22 14 29 16-0050)		
22 14 29 16-0063 EA To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump	34,278.73	897.38
22 14 29 16-0064 EA To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump	37,575.86	897.38
22 14 29 16-0065 EA To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump	46,400.22	897.38
22 14 29 16-0066 EA 36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump	50,549.57	1,025.57
22 14 29 16-0067 EA 36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump	57,981.97	1,025.57
22 14 29 16-0068 EA 51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump	63,778.31	1,153.77
22 14 29 16-0069 EA 51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump	77,926.82	1,153.77
22 14 29 16-0070 EA 76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump	87,899.52	1,410.16
22 14 29 16-0071 EA 76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump	96,773.73	1,410.16
22 14 29 16-0072 EA 112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump	118,378.75	1,666.55
22 14 29 16-0073 EA 112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump	143,146.03	1,666.55
22 14 29 16-0074 EA 154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump	147,903.36	1,922.95
22 14 29 16-0075 EA 154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump	152,149.39	1,922.95
22 14 29 16-0076 EA 201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump	223,829.79	2,179.34
22 14 29 16-0077 8 Pole / 875 RPM (22 14 29 16-0050)		
22 14 29 16-0078 EA To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump	49,082.60	897.38
22 14 29 16-0079 EA To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump	61,844.69	897.38
22 14 29 16-0080 EA 36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump	69,324.41	1,025.57
22 14 29 16-0081 EA 51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump	86,169.65	1,153.77
22 14 29 16-0082 EA 76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump	108,950.60	1,410.16
22 14 29 16-0083 EA 76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump	116,216.85	1,410.16
22 14 29 16-0084 EA 110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump	128,144.62	1,666.55
22 14 29 16-0085 EA 110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump	143,210.64	1,666.55
22 14 29 16-0086 EA 110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump	186,381.69	1,666.55
22 14 29 16-0087 EA 154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump	244,587.31	1,922.95
22 14 29 16-0088 EA 215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump	265,387.35	2,179.34
22 14 29 16-0089 10 Pole / 700 RPM (22 14 29 16-0050)		
22 14 29 16-0090 EA To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump	104,472.31	1,025.57
22 14 29 16-0091 EA To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump	111,498.56	1,025.57
22 14 29 16-0092 EA 56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump	116,629.38	1,153.77
22 14 29 16-0093 EA 55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump	121,504.01	1,153.77



Plumbing			22
Plumbing Piping			22 10
Facility Storm Drainage			22 14

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0094	EA	76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump	182,580.46	1,410.16
22 14 29 16-0095	EA	110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump	200,943.73	1,666.55
22 14 29 16-0096	EA	154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump	258,752.43	1,922.95
22 14 29 16-0097		Submersible Sump Pump, Ebara (22 14 29 16-0001)		
22 14 29 16-0098		Submersible Sump Pump, 2", 3", 4" Ebara Model DSU (22 14 29 16-0097)		
22 14 29 16-0099	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU62.2..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	4,473.05 284.75 274.55	266.55
22 14 29 16-0100	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU63.7..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	5,060.85 284.75 274.55	355.41
22 14 29 16-0101	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU62.2..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	4,732.24 284.75 381.65	266.55
22 14 29 16-0102	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU63.7..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	5,178.54 284.75 381.65	355.41
22 14 29 16-0103	EA	7.5 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU65.5..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	6,955.84 423.30 754.80	444.26
22 14 29 16-0104	EA	10 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU67.5..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	7,795.85 423.30 754.80	533.11
22 14 29 16-0105		Submersible Sump Pump, 2", 3", Ebara Model DSHU, Rated 176 Degrees F (22 14 29 16-0097)		
22 14 29 16-0106	EA	1/2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.4..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	2,011.28 284.75 220.15	88.85
22 14 29 16-0107	EA	1 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.75..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	2,216.21 284.75 220.15	133.28
22 14 29 16-0108	EA	2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU61.5..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	3,267.76 284.75 220.15	222.13
22 14 29 16-0109	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU62.2..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	5,429.97 284.75 274.55	266.55
22 14 29 16-0110	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU63.7..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	5,755.78 284.75 274.55	355.41
22 14 29 16-0111	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU62.2..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	5,848.88 284.75 381.65	266.55
22 14 29 16-0112	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU63.5..... For 20' Stainless Steel Chain, Add For Guide Rail System, Add	6,304.99 284.75 381.65	355.41
22 14 29 16-0113		Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0114		Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0113)		
22 14 29 16-0115	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy- Coated Cast Steel Housing And Impeller	552.43	72.37
22 14 29 16-0116	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy- Coated Cast Steel Housing And Impeller	615.48	72.37
22 14 29 16-0117	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy- Coated Cast Steel Housing And Impeller	983.64	76.59
22 14 29 16-0118	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy- Coated Cast Steel Housing And Impeller	1,083.41	76.59
22 14 29 16-0119		Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0113) Note: Includes 20' of cord with pump.		
22 14 29 16-0120	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,679.23	76.59
22 14 29 16-0121	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,829.57	76.59
22 14 29 16-0122	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,920.20	84.43
22 14 29 16-0123	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,080.93	84.43
22 14 29 16-0124	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,137.89	96.49
22 14 29 16-0125	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,295.85	96.49
22 14 29 16-0126	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,292.84	114.58
22 14 29 16-0127	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,430.01	114.58

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0128 Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)					
Note: Includes 20' of cord with pump.					
22 14 29 16-0129	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,307.76		72.37
22 14 29 16-0130	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,350.87		72.37
22 14 29 16-0131	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,690.36		76.59
22 14 29 16-0132	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,720.65		76.59
22 14 29 16-0133	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,067.12		80.81
22 14 29 16-0134	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,067.12		80.81
22 14 29 16-0135	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,186.39		84.43
22 14 29 16-0136	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,186.39		84.43
22 14 29 16-0137	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,495.23		96.49
22 14 29 16-0138	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,495.23		96.49
22 14 29 16-0139	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,902.37		114.58
22 14 29 16-0140	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,849.93		114.58
22 14 29 19 Sump-Pump Basins and Pits (22 14 29)					
See CSI section 22 13 29 33-0000 for basins and pits.					
22 15 General Service Compressed-Air Systems (22 10)					
22 15 13 General Service Compressed-Air Piping (22 15)					
See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.					
22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air (22 15 13)					
22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) (22 15 13 00-0001)					
Note: For compressed air system					
22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe.....	9.39		2.42
Note: For compressed air system					
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe.....	11.86		2.66
Note: For compressed air system					
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe.....	16.12		3.38
Note: For compressed air system					
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe.....	19.73		3.86
Note: For compressed air system					
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe.....	33.47		5.30
Note: For compressed air system					
22 15 13 00-0008 Compression Fittings (FastPipe) (22 15 13 00-0001)					
Note: For compressed air system					
22 15 13 00-0009 Compression Union (22 15 13 00-0008)					
22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union.....	30.18		3.38
Note: For compressed air system					
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union.....	45.69		4.82
Note: For compressed air system					
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union	72.17		6.75
Note: For compressed air system					
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union.....	90.10		8.69
Note: For compressed air system					
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union.....	175.27		13.51
Note: For compressed air system					
22 15 13 00-0015 Compression 90 Degree Elbow (22 15 13 00-0008)					
22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow	32.17		3.38
Note: For compressed air system					
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow	47.76		4.82
Note: For compressed air system					
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow	74.36		6.75
Note: For compressed air system					
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow	102.55		8.69
Note: For compressed air system					
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow	201.73		13.51
Note: For compressed air system					
22 15 13 00-0021 Compression 45 Degree Elbow (22 15 13 00-0008)					



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

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compressed air system	48.21	4.82
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compressed air system	83.93	6.75
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compressed air system	111.54	8.69
22 15 13 00-0025		Compression Tee (22 15 13 00-0008)		
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee..... Note: For compressed air system	42.74	5.06
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee..... Note: For compressed air system	60.46	7.24
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compressed air system	115.50	10.13
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee..... Note: For compressed air system	143.36	13.03
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee..... Note: For compressed air system	277.71	20.26
22 15 13 00-0031		Compression Reducing Tee (22 15 13 00-0008)		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	58.51	6.51
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	104.28	8.45
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compressed air system	108.38	9.17
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	132.20	10.37
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compressed air system	135.80	11.09
22 15 13 00-0037		Compression Reducing Union (22 15 13 00-0008)		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	44.77	4.10
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	66.70	5.06
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compressed air system	67.30	5.79
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	85.06	6.03
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compressed air system	87.59	6.75
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compressed air system	92.33	7.72
22 15 13 00-0044		Compression x NPT 90 Degree Reducing Elbow (22 15 13 00-0008)		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	64.82	7.00
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	68.51	7.96
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	76.88	7.72
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	78.62	8.69
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	81.03	9.65
22 15 13 00-0050		Compression x NPT Reducing Tee (22 15 13 00-0008)		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	74.33	8.69
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	76.62	9.65
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	88.51	10.13
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	90.49	11.09
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	93.22	12.06
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	128.55	13.03
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	130.97	13.99
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	143.10	14.96
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compressed air system	145.51	15.92

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0060 Compression Inline Valve (22 15 13 00-0008)		
22 15 13 00-0061 EA 3/4" Diameter, FastPipe Compression Inline Valve Note: For compressed air system	105.43	3.38
22 15 13 00-0062 EA 1" Diameter, FastPipe Compression Inline Valve Note: For compressed air system	134.85	4.82
22 15 13 00-0063 EA 1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compressed air system	282.86	6.75
22 15 13 00-0064 EA 2" Diameter, FastPipe Compression Inline Valve Note: For compressed air system	410.02	8.69
22 15 13 00-0065 EA 3" Diameter, FastPipe Compression Inline Valve Note: For compressed air system	662.13	13.51
22 15 13 00-0066 Compression Single Port Wall Outlet (22 15 13 00-0008)		
22 15 13 00-0067 EA 3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	87.52	7.96
22 15 13 00-0068 EA 1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	90.10	8.69
22 15 13 00-0069 NPT Push To Connect Coupler (22 15 13 00-0008)		
22 15 13 00-0070 EA 1/2" Male NPT Push To Connect Coupler Note: For compressed air system	31.19	6.27
22 15 13 00-0071 Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0072 Combination Steel And Brass (22 15 13 00-0071)		
22 15 13 00-0073 EA 1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	58.12	16.89
22 15 13 00-0074 EA 3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	64.85	20.50
22 15 13 00-0075 Refrigerated Air Dryers With Ambient Air Filters (22 15 13) Note: 120 Voltage, 1 Phase		
22 15 13 00-0076 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	822.05	96.21
22 15 13 00-0077 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	941.49	98.89
22 15 13 00-0078 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,111.07	101.56
22 15 13 00-0079 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,251.57	106.90
22 15 13 00-0080 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,632.80	120.27
22 15 13 00-0081 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,846.07	136.84
22 15 13 00-0082 EA 25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,070.76	155.02
22 15 13 00-0083 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,435.06	173.72
22 15 13 00-0084 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,822.47	203.13
22 15 13 00-0085 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,182.16	217.02
22 15 13 00-0086 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,741.38	240.54
22 15 13 00-0087 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,305.06	267.26
For 230 Voltage, Add	1,131.16	
22 15 13 00-0088 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,652.55	294.00
For 230 Voltage, Add	1,219.37	
22 15 13 00-0089 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,009.33	326.07
For 230 Voltage, Add	1,307.58	
22 15 13 00-0090 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,416.70	347.45
For 230 Voltage, Add	1,416.54	
22 15 13 00-0091 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,728.81	360.81
For 230 Voltage, Add	1,502.16	
22 15 13 00-0092 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,958.46	374.18
For 230 Voltage, Add	2,763.04	
22 15 13 00-0093 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,702.97	387.54
For 230 Voltage, Add	2,978.37	
22 15 13 00-0094 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,426.74	400.90
For 230 Voltage, Add	3,187.48	
22 15 13 00-0095 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,581.66	427.63
For 230 Voltage, Add	3,817.92	
22 15 13 00-0096 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	15,398.81	534.53
For 230 Voltage, Add	4,298.92	
22 15 13 00-0097 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	21,917.01	641.44
For 230 Voltage, Add	6,190.24	
22 15 13 00-0098 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	29,775.66	748.34
For 230 Voltage, Add	8,483.69	
22 15 13 00-0099 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	33,336.25	855.26
For 230 Voltage, Add	9,487.72	
22 15 13 00-0100 Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0101 EA 0-60 SCFM Oil/Water Separator	741.31	38.61
22 15 13 00-0102 EA 85 SCFM Oil/Water Separator	993.35	45.24
22 15 13 00-0103 EA 190 SCFM Oil/Water Separator	1,161.08	51.28
22 15 13 00-0104 EA 245 SCFM Oil/Water Separator	1,457.64	60.33
22 15 13 00-0105 EA 320 SCFM Oil/Water Separator	1,732.57	72.39
22 15 13 00-0106 EA 700 SCFM Oil/Water Separator	3,492.76	150.83



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0107 Heavy-Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0108 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	128.14	32.07
22 15 13 00-0109 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	178.93	42.76
22 15 13 00-0110 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	305.46	53.45
22 15 13 00-0111 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	383.13	80.18
22 15 13 00-0112 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	535.32	93.54
22 15 13 00-0113 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	562.05	106.90
22 15 13 00-0114 Combination Air System; Filter Regulator Lubricator (22 15 13)		
22 15 13 00-0115 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	486.44	96.21
22 15 13 00-0116 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	602.48	128.29
22 15 13 00-0117 Heatless Desiccant Air Dryers (22 15 13)		
22 15 13 00-0118 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,860.68	96.21
22 15 13 00-0119 EA 10 SCFM Heatless Desiccant Air Dryer.....	3,439.51	106.90
22 15 13 00-0120 EA 15 SCFM Heatless Desiccant Air Dryer.....	3,473.00	117.60
22 15 13 00-0121 EA 20 SCFM Heatless Desiccant Air Dryer.....	3,966.94	133.63
22 15 13 00-0122 EA 30 SCFM Heatless Desiccant Air Dryer.....	5,464.55	160.36
22 15 13 00-0123 EA 50 SCFM Heatless Desiccant Air Dryer.....	5,396.77	213.81
22 15 13 00-0124 EA 85 SCFM Heatless Desiccant Air Dryer.....	7,248.84	267.26
22 15 13 00-0125 EA 100 SCFM Heatless Desiccant Air Dryer.....	7,692.67	320.72
22 15 13 00-0126 EA 125 SCFM Heatless Desiccant Air Dryer.....	8,806.89	374.18
22 15 13 00-0127 EA 175 SCFM Heatless Desiccant Air Dryer.....	10,112.94	427.63
22 15 13 00-0128 EA 200 SCFM Heatless Desiccant Air Dryer.....	10,867.58	481.08
22 15 13 00-0129 EA 300 SCFM Heatless Desiccant Air Dryer.....	13,288.69	534.53
22 15 13 00-0130 EA 400 SCFM Heatless Desiccant Air Dryer.....	14,761.65	641.44
22 15 13 00-0131 EA 500 SCFM Heatless Desiccant Air Dryer.....	17,061.37	748.34
22 15 13 00-0132 EA 600 SCFM Heatless Desiccant Air Dryer.....	19,686.24	855.26
22 15 13 00-0133 Air-Cooled Aftercoolers (22 15 13)		
22 15 13 00-0134 EA 20 SCFM Air-Cooled Aftercooler	721.72	66.82
22 15 13 00-0135 EA 35 SCFM Air-Cooled Aftercooler	975.00	80.18
22 15 13 00-0136 EA 43 SCFM Air-Cooled Aftercooler	1,070.91	93.54
22 15 13 00-0137 EA 70 SCFM Air-Cooled Aftercooler	1,308.65	106.90
22 15 13 00-0138 EA 125 SCFM Air-Cooled Aftercooler	1,823.11	120.27
22 15 13 00-0139 EA 185 SCFM Air-Cooled Aftercooler	2,047.02	133.63
22 15 13 00-0140 EA 260 SCFM Air-Cooled Aftercooler	3,963.95	160.36
22 15 13 00-0141 EA 365 SCFM Air-Cooled Aftercooler	4,144.02	187.08
22 15 13 00-0142 EA 560 SCFM Air-Cooled Aftercooler	4,322.69	213.81
22 15 13 00-0143 EA 650 SCFM Air-Cooled Aftercooler	5,069.36	240.54
22 15 13 00-0144 EA 750 SCFM Air-Cooled Aftercooler	5,542.07	267.26
22 15 13 00-0145 EA 900 SCFM Air-Cooled Aftercooler	6,355.17	294.00
22 15 13 00-0146 EA 1,100 SCFM Air-Cooled Aftercooler	8,158.97	320.72
22 15 13 00-0147 EA 1,460 SCFM Air-Cooled Aftercooler	9,332.51	347.45
22 15 13 00-0148 EA 1,800 SCFM Air-Cooled Aftercooler	9,636.75	374.18
22 15 13 00-0149 EA 2,500 SCFM Air-Cooled Aftercooler	10,333.64	400.90
22 15 13 00-0150 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0151 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)		
22 15 13 00-0152 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	251.39	39.21
22 15 13 00-0153 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	299.82	39.21
22 15 13 00-0154 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	327.45	45.24
22 15 13 00-0155 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	377.05	51.88
22 15 13 00-0156 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	439.79	57.32
22 15 13 00-0157 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	498.51	69.38
22 15 13 00-0158 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	548.41	75.41
22 15 13 00-0159 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	651.44	90.50
22 15 13 00-0160 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	836.30	120.66
22 15 13 00-0161 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	956.41	135.74
22 15 13 00-0162 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)		
22 15 13 00-0163 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	306.75	39.21
22 15 13 00-0164 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	332.62	45.24
22 15 13 00-0165 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	381.89	51.88
22 15 13 00-0166 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	449.48	51.28
22 15 13 00-0167 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	509.58	69.38
22 15 13 00-0168 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	578.04	75.41
22 15 13 00-0169 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	663.89	90.50
22 15 13 00-0170 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	857.06	120.66
22 15 13 00-0171 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	984.09	135.74

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 15 13 00-0172 Compressed Air Storage Tanks (22 15 13)			
22 15 13 00-0173 Horizontal Compressed Air Storage Tanks (22 15 13 00-0172)			
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	413.19 85.53
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	1,020.04 93.54
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,081.73 98.35
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,239.91 106.90
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,612.54 144.32
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,964.25 160.36
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	3,014.14 187.08
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,577.33 213.81
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	5,117.38 227.17
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,509.17 240.54
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,939.32 280.64
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	14,385.98 334.09

22 15 13 00-0186 Vertical Compressed Air Storage Tanks (22 15 13 00-0172)			
22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	951.95 85.53
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	994.01 93.54
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,081.73 98.35
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,291.45 106.90
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,767.15 144.32
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	2,038.70 160.36
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,852.24 187.08
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,243.63 213.81
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,692.04 227.17
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,467.98 240.54
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	8,323.41 280.64
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,927.80 307.36
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	18,369.26 347.45

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

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001 Single Stage Compressor (22 15 19 13)			
Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002	EA	1 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,445.10 379.31
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,589.45 437.78
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,091.94 517.01
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,666.28 570.46
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,730.86 602.53
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,127.99 623.91
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,878.43 713.07
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,379.97 755.84
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,867.00 855.68

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)			
Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.			
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,601.33 666.67
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	7,070.24 784.37
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	7,381.62 855.68
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	8,388.84 1,140.91
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	9,065.45 1,140.91
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,684.65 1,426.14
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	10,298.31 1,426.14
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	13,215.12 1,763.96
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	14,162.72 1,817.41
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	15,303.56 2,124.02
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	23,264.07 2,404.34
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	24,957.68 2,716.82
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	27,825.01 3,002.69
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	30,264.48 3,290.81

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)			
Note: Oil flooded.			
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,323.20 962.87
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	12,576.87 1,283.82
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	16,137.27 1,609.61
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,601.53 2,051.23
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,277.60 2,413.20
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,873.37 2,714.86
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	28,338.61 3,016.51



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0009 EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	34,168.03	3,378.48
22 15 19 19-0010 EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	37,585.72	3,619.81
22 15 19 19-0011 EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	42,237.68	3,900.95
22 15 19 19-0012 EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	55,175.68	4,223.12
22 15 19 19-0013 EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	61,284.06	4,464.43
22 15 19 19-0014 EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	99,031.43	4,826.41
22 15 19 19-0015 EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	123,784.60	5,218.55
22 15 19 19-0016 EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	143,921.49	5,616.74
22 15 19 19-0017 EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	187,642.85	6,033.02
22 15 19 19-0018 EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	213,314.08	6,419.13
22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19) Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020 EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	14,109.46	1,283.82
22 15 19 19-0021 EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	15,015.80	1,283.82
22 15 19 19-0022 EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,857.93	1,609.61
22 15 19 19-0023 EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,849.24	1,609.61
22 15 19 19-0024 EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,998.05	2,051.23
22 15 19 19-0025 EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	20,046.00	2,051.23
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	21,604.88	2,413.20
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	22,737.80	2,413.20
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	37,806.79	2,714.86
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	40,696.87	3,016.51
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	43,303.77	3,378.48
22 30 Plumbing Equipment (22)		
22 31 Domestic Water Softeners (22 30)		
22 31 13 Residential Domestic Water Softeners (22 31) See CSI section 11 30 13 13-0104 for residential water softener.		
22 31 16 Commercial Domestic Water Softeners (22 31)		
22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)		
22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,405.67	305.43
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,650.32	319.31
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,104.86	333.19
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	7,046.82	347.08
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,515.36	360.96
22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,164.11	333.19
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,588.34	347.08
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	9,059.21	360.96
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,794.09	374.84

22 Plumbing**22 30 Plumbing Equipment****22 31 Domestic Water Softeners**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	12,013.56	388.72
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,664.95	402.61
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,482.97	347.08
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,937.51	360.96
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,677.05	374.84
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,896.52	388.72
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,692.50	402.61
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,716.12	416.50
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,944.02	430.37
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	30,409.02	402.61
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	35,156.98	416.50
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	39,328.90	430.37
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	49,568.97	444.26
22 31 16 00-0029	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	54,904.63	458.14
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,514.35	520.62
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,425.88	541.43
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	24,426.97	562.26
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,723.77	583.09
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,679.65	603.91
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	43,388.38	624.74
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	51,116.65	645.57
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	55,916.80	603.91
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	64,274.75	624.74
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	72,261.89	645.57
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	92,030.87	666.38
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	102,783.89	687.21
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		



Plumbing			22
Plumbing Equipment			22 30
Domestic Water Softeners			22 31

22

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046	1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,077.71	458.14
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,553.14	478.97
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,250.10	499.79
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,942.89	520.62
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,015.34	541.43
22 31 16 00-0052	1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	14,064.05	499.79
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,833.33	520.62
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,975.73	541.43
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	18,316.84	562.26
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,692.94	583.09
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,974.84	603.91
22 31 16 00-0059	Water Deionizers (22 31 16)			
22 31 16 00-0060	EA	37 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	8,011.17	488.68
22 31 16 00-0061	EA	55 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	8,178.33	488.68
22 31 16 00-0062	EA	73 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	10,811.10	488.68
22 31 16 00-0063	EA	110 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	10,925.41	488.68
22 32 Domestic Water Filtration Equipment (22 30)				
22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)				
22 32 16 00-0001 Commercial Water Filters Housings (22 32 16)				
22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)				
22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)				
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,782.56	196.07
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,833.72	211.16
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	3,015.47	226.24
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,341.81	241.32
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,439.60	256.40
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,183.39	271.49
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,923.51	286.57
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,882.33	301.65
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,648.53	316.73
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,584.04	331.82
22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)				
22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)				
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.57	2.42
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.57	2.42
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.57	2.42
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.23	2.42
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.15	2.42
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.15	2.42
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.31	2.42

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.40	2.42
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.31	2.42
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.23	2.42
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.23	2.42
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.23	2.42
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.98	2.42
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.39	2.42
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.06	2.42
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.06	2.42
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.39	2.42
22 32 16 00-0033		Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.64	2.42
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.64	2.42
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.23	2.42
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.98	2.42
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	40.97	2.42
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	39.22	2.42
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	39.22	2.42
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	39.22	2.42
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	52.05	2.42
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	74.20	2.42
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	61.96	2.42
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	86.44	2.42
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	89.94	2.42
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	101.60	2.42
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,182.19	180.99
22 32 16 00-0051		Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052		Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	731.27	2.42
22 32 16 00-0054		(Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	151.16	2.42
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	149.99	2.42
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	149.99	2.42
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	172.15	2.42
22 32 16 00-0059		Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	401.28	2.42
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	376.79	2.42
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	410.61	2.42
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	430.43	2.42
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	458.42	2.42
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	496.90	2.42
22 33		Electric Domestic Water Heaters (22 30)		
22 33 13		Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13		Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002	EA	2.4 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax SP2412)	575.57	60.31
22 33 13 13-0003	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	623.01	60.31
22 33 13 13-0004	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	644.45	60.31
22 33 13 16		Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	822.58	90.46
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	809.12	120.61



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,368.87	211.08
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,091.92	241.22
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	1,695.46	120.61
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	2,309.23	180.92
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	2,525.12	241.22
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	2,625.99	241.22
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	2,721.26	241.22
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	2,861.36	241.22

22 33 30 Residential, Electric Domestic Water Heaters (22 33)**22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)****22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30)**

¹³⁾ Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,119.51	189.97
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,390.20	202.03
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,654.88	211.08

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)**22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)**

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater	1,775.39	211.08
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater	1,660.77	217.11
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater	1,629.68	223.14
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater	1,830.66	226.16
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater	2,708.05	232.18
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater	2,756.97	241.22
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater	3,699.91	256.30

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,913.78	211.08
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,814.88	217.11
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,925.57	223.14

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,976.54	217.11
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,165.98	223.14
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater	2,686.32	232.18
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,926.34	241.22

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters	153.73	12.06
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters	182.64	12.06
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters	361.28	12.06
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters	487.00	12.06
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	79.16	9.05
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	86.52	9.05
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	91.43	9.05
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	108.60	9.05
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	42.25	9.05
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	46.17	9.05
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	51.69	9.05
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	58.79	9.05

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters (22 33 30)**22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) (22 33 30 23)**

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 23-0002 EA 80 Gallon, Solar Electric Domestic Water Heater	4,607.00	241.22
22 33 30 23-0003 EA 120 Gallon, Solar Electric Domestic Water Heater	5,538.28	256.30

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)

22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

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

22 33 33 00-0002 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,719.73	211.08
22 33 33 00-0003 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,953.22	211.08
22 33 33 00-0004 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,187.71	241.22
22 33 33 00-0005 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,856.09	241.22
22 33 33 00-0006 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,717.92	301.53
22 33 33 00-0007 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,394.44	361.84
22 33 33 00-0008 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,638.33	542.76

22 33 33 00-0009 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)

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

22 33 33 00-0010 EA 3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	10,984.29	211.08
22 33 33 00-0011 EA 3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,429.02	211.08
22 33 33 00-0012 EA 6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,910.81	211.08
22 33 33 00-0013 EA 3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	11,971.12	241.22
22 33 33 00-0014 EA 6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,527.03	241.22
22 33 33 00-0015 EA 9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,416.49	241.22
22 33 33 00-0016 EA 12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,009.47	241.22
22 33 33 00-0017 EA 15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,491.26	241.22
22 33 33 00-0018 EA 18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,010.11	241.22
22 33 33 00-0019 EA 6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,082.95	241.22
22 33 33 00-0020 EA 9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,601.80	241.22
22 33 33 00-0021 EA 12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,194.77	241.22
22 33 33 00-0022 EA 15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,676.56	241.22
22 33 33 00-0023 EA 18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,195.41	241.22
22 33 33 00-0024 EA 24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,012.67	241.22
22 33 33 00-0025 EA 9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,204.20	301.53
22 33 33 00-0026 EA 12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,685.99	301.53
22 33 33 00-0027 EA 15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,278.96	301.53
22 33 33 00-0028 EA 18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,797.81	301.53
22 33 33 00-0029 EA 24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,652.14	301.53
22 33 33 00-0030 EA 30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,431.05	301.53
22 33 33 00-0031 EA 36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,172.91	301.53
22 33 33 00-0032 EA 9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,400.21	361.84
22 33 33 00-0033 EA 12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,882.00	361.84
22 33 33 00-0034 EA 15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,363.79	361.84
22 33 33 00-0035 EA 18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,882.65	361.84
22 33 33 00-0036 EA 24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,848.15	361.84
22 33 33 00-0037 EA 30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,627.07	361.84
22 33 33 00-0038 EA 36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,368.93	361.84
22 33 33 00-0039 EA 45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,519.09	361.84
22 33 33 00-0040 EA 54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,927.41	361.84
22 33 33 00-0041 EA 60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,819.43	361.84
22 33 33 00-0042 EA 75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,119.77	361.84
22 33 33 00-0043 EA 90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,719.16	361.84
22 33 33 00-0044 EA 9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,346.24	482.46
22 33 33 00-0045 EA 12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,902.15	482.46
22 33 33 00-0046 EA 15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,421.00	482.46
22 33 33 00-0047 EA 18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,865.73	482.46
22 33 33 00-0048 EA 24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,794.18	482.46
22 33 33 00-0049 EA 30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,573.10	482.46
22 33 33 00-0050 EA 36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,277.89	482.46
22 33 33 00-0051 EA 45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,502.18	482.46
22 33 33 00-0052 EA 54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,873.43	482.46
22 33 33 00-0053 EA 60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,802.52	482.46
22 33 33 00-0054 EA 75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,139.92	482.46
22 33 33 00-0055 EA 90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,702.24	482.46
22 33 33 00-0056 EA 12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,505.19	542.76
22 33 33 00-0057 EA 15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,024.05	542.76
22 33 33 00-0058 EA 18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,468.77	542.76
22 33 33 00-0059 EA 24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,434.28	542.76
22 33 33 00-0060 EA 30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,027.89	542.76
22 33 33 00-0061 EA 36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,880.93	542.76
22 33 33 00-0062 EA 45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,105.22	542.76
22 33 33 00-0063 EA 54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,513.53	542.76
22 33 33 00-0064 EA 60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,146.13	542.76
22 33 33 00-0065 EA 75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,742.96	542.76
22 33 33 00-0066 EA 90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,305.29	542.76
22 33 33 00-0067 EA 15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,071.83	603.07
22 33 33 00-0068 EA 18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,664.80	603.07
22 33 33 00-0069 EA 24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,519.12	603.07
22 33 33 00-0070 EA 30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,298.04	603.07



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

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36).....	31,039.90	603.07
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45).....	34,190.07	603.07
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54).....	35,635.44	603.07
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60).....	40,490.40	603.07
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75).....	46,790.74	603.07
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90).....	57,427.19	603.07
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15).....	24,647.25	723.68
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18).....	25,166.10	723.68
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24).....	29,020.42	723.68
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30).....	30,725.22	723.68
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36).....	32,541.20	723.68
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45).....	35,691.36	723.68
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54).....	37,025.55	723.68
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60).....	42,028.76	723.68
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75).....	48,366.16	723.68
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90).....	58,891.42	723.68
22 33 33 00-0087		Water Heater Accessories (22 33 33)		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap.....	51.47	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap.....	75.55	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0090		Removal And Reinstallation Of Water Heater (22 33 33)		
		Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon.....	402.05	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon.....	1,206.14	
22 33 36		Commercial Domestic Water Electric Booster Heaters (22 33)		
22 33 36 16		Commercial Storage Electric Domestic Water Heaters (22 33 36)		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters (22 33 36 16)		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	41,271.07	807.62
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	43,305.50	807.62
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	45,339.95	807.62
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	47,374.38	807.62
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	51,443.24	807.62
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	55,512.12	807.62
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	58,767.22	807.62
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	43,963.77	948.95
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	46,013.85	948.95
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	48,063.94	948.95
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	50,114.02	948.95
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	54,214.19	948.95
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	58,314.36	948.95
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	61,594.50	948.95
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	66,514.69	948.95
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	45,650.34	1,080.19
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	47,670.86	1,080.19
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	49,691.39	1,080.19
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	51,711.91	1,080.19
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	55,752.96	1,080.19
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	59,794.01	1,080.19
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	63,835.06	1,080.19
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	68,684.32	1,080.19
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	73,533.57	1,080.19
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	50,355.25	1,241.71
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	52,388.71	1,241.71
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	54,422.16	1,241.71
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	58,489.08	1,241.71
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	62,555.99	1,241.71
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	65,809.52	1,241.71
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	72,045.46	1,241.71
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	76,925.75	1,241.71
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	79,365.90	1,241.71
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	81,806.05	1,241.71
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	84,246.20	1,241.71
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	55,893.35	1,463.81
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	57,798.91	1,463.81
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	59,704.48	1,463.81
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	63,515.60	1,463.81
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	67,326.72	1,463.81
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	70,375.62	1,463.81
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	74,948.97	1,463.81
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	79,522.31	1,463.81
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	81,808.99	1,463.81
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	84,095.66	1,463.81
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	86,382.33	1,463.81

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater.....	89,812.35	1,463.81
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	61,290.13	1,615.24
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	63,644.50	1,615.24
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	65,998.87	1,615.24
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	70,707.60	1,615.24
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	75,416.33	1,615.24
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	79,183.32	1,615.24
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	84,833.80	1,615.24
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	90,484.28	1,615.24
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	93,309.51	1,615.24
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	96,134.75	1,615.24
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	98,960.00	1,615.24
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	104,610.47	1,615.24
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	107,435.71	1,615.24
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	71,553.12	1,817.14
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	74,062.22	1,817.14
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	76,571.31	1,817.14
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	81,589.51	1,817.14
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	86,607.71	1,817.14
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	90,622.26	1,817.14
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	96,644.10	1,817.14
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	102,665.94	1,817.14
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	105,676.85	1,817.14
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	108,687.77	1,817.14
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	111,698.69	1,817.14
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	117,720.53	1,817.14
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	120,731.45	1,817.14
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	126,753.28	1,817.14
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	132,775.11	1,817.14
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	84,007.04	2,019.05
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	86,924.31	2,019.05
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	89,841.59	2,019.05
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	95,676.12	2,019.05
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	101,510.67	2,019.05
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	106,178.30	2,019.05
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	112,200.14	2,019.05
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	119,201.59	2,019.05
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	122,702.32	2,019.05
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	126,203.04	2,019.05
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	129,703.76	2,019.05
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	137,684.83	2,019.05
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	144,686.28	2,019.05
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	148,187.01	2,019.05
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	155,188.45	2,019.05
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	96,862.19	2,695.43
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	102,807.09	2,695.43
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	108,751.99	2,695.43
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	113,507.91	2,695.43
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	120,641.80	2,695.43
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	127,775.67	2,695.43
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	131,342.62	2,695.43
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	134,909.56	2,695.43
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	138,476.49	2,695.43
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	145,610.38	2,695.43
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	152,744.27	2,695.43
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	156,311.20	2,695.43
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	163,445.09	2,695.43
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	113,404.54	3,462.68
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	118,494.44	3,462.68
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	123,584.34	3,462.68
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	127,656.27	3,462.68
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	133,764.16	3,462.68
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	139,872.05	3,462.68
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	142,925.98	3,462.68
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	145,979.93	3,462.68
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	149,033.87	3,462.68
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	155,141.75	3,462.68
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	161,249.64	3,462.68
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	164,303.58	3,462.68
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	170,411.46	3,462.68
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	125,827.73	4,038.10
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	130,504.83	4,038.10
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	135,181.93	4,038.10
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	138,923.61	4,038.10
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	144,536.14	4,038.10
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	150,148.66	4,038.10
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	152,954.92	4,038.10
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	155,761.18	4,038.10
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	158,567.45	4,038.10
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	164,179.96	4,038.10
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	169,792.48	4,038.10



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0129 EA 1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	172,598.74	4,038.10
22 33 36 16-0130 EA 1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	178,211.27	4,038.10
22 33 36 16-0131 EA 1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	183,823.79	4,038.10
22 33 36 16-0132 EA 1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	138,052.56	4,845.72
22 33 36 16-0133 EA 1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	142,571.35	4,845.72
22 33 36 16-0134 EA 1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	147,090.15	4,845.72
22 33 36 16-0135 EA 1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	150,705.18	4,845.72
22 33 36 16-0136 EA 1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	156,127.73	4,845.72
22 33 36 16-0137 EA 1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	161,550.29	4,845.72
22 33 36 16-0138 EA 1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	164,261.56	4,845.72
22 33 36 16-0139 EA 1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	166,972.84	4,845.72
22 33 36 16-0140 EA 1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	169,684.11	4,845.72
22 33 36 16-0141 EA 1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	175,106.67	4,845.72
22 33 36 16-0142 EA 1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	180,529.22	4,845.72
22 33 36 16-0143 EA 1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	183,240.49	4,845.72
22 33 36 16-0144 EA 1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	188,663.04	4,845.72
22 33 36 16-0145 EA 1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	194,085.60	4,845.72

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001	Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)	
22 34 13 00-0002	Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001) Note: Includes vent connection. Excludes vent.	
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	2,521.34	241.22
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	2,740.96	244.24
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	3,024.87	250.27
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	3,560.91	256.30
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	4,352.54	271.38
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	4,449.63	271.38
22 34 13 00-0009	Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)	
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	2,734.93	241.22
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	4,352.54	271.38
22 34 13 00-0012	Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heaters (22 34 13 00-0001) Note: Includes vent connection. Excludes vent.	
22 34 13 00-0013 EA 11 GPM, 15 MBTU Minimum To 199 MBTU Maximum, Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heater (Rinnai CU199IN).....	3,484.82	361.84

22 34 30 Residential Gas Domestic Water Heaters (22 34)

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)

22 34 30 13-0001	Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30).....	1,851.20	232.18
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40).....	1,810.87	238.21
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....	2,460.94	244.24
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65).....	2,673.50	250.27
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75).....	2,931.98	256.30
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	4,414.00	271.38
22 34 30 13-0008	Atmospheric, Gas Domestic Water Heaters (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 13-0009 EA 40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40).....	2,494.74	238.21
22 34 30 13-0010 EA 50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50).....	2,731.07	244.24
22 34 30 13-0011 EA 40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40).....	2,427.46	238.21
22 34 30 13-0012 EA 40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40).....	2,539.60	238.21
22 34 30 13-0013 EA 50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50).....	2,551.66	244.24
22 34 30 13-0014 EA 100 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50).....	5,129.70	180.92

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 16-0001	Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40).....	3,520.41	238.21

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	.....	4,032.87	244.24
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	.....	5,293.99	250.27
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)					
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)			
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	.....	3,182.45	238.21
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	.....	3,317.80	244.24
22 34 36 Commercial Gas Domestic Water Heaters (22 34)					
22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)					
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)			
		Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	.....	6,484.82	361.84
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	.....	8,156.99	422.15
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	.....	8,503.21	482.46
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	.....	8,471.64	482.46
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	.....	8,667.99	482.46
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	.....	10,765.71	530.71
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	.....	9,594.02	542.76
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	.....	11,606.01	597.04
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	.....	9,168.98	542.76
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	.....	11,160.95	597.04
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	.....	10,186.37	663.38
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	.....	12,231.73	729.71
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	.....	10,358.08	663.38
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	.....	12,304.88	729.71
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	.....	11,579.03	723.68
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	.....	13,572.54	796.05
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	.....	14,097.70	723.68
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	.....	16,005.74	796.05
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	.....	15,817.60	783.99
22 34 36 13-0021	EA	Sidewall Power Vent System For BTR-120 through BTR-200	.....	1,632.67	301.53
22 34 36 13-0022	EA	Sidewall Power Vent System For BTR-250 through BTR-500	.....	1,949.47	301.53
22 34 36 13-0023 Removal And Reinstallation Of Water Heater (22 34 36 13)					
		Note: Includes storage and cleaning.			
22 34 36 13-0024	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	.....	548.24	
22 34 36 13-0025	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	.....	1,449.68	
22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)					
22 34 36 19-0001		Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)			
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 36 19-0002	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	.....	3,778.27	361.84
22 34 36 19-0003	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	.....	5,129.62	361.84
22 34 36 19-0004	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	.....	7,219.40	361.84
22 34 36 19-0005	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	.....	9,160.56	398.02
22 34 36 19-0006	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	.....	9,682.36	422.15
22 34 36 19-0007	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	.....	11,855.80	464.36
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	.....	9,656.67	482.46
22 34 36 19-0009	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	.....	12,107.82	530.71
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	.....	11,232.58	542.76
22 34 36 19-0011	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	.....	13,190.67	597.04
22 34 36 19-0012	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	.....	14,661.08	729.71



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0013	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	16,051.17	796.05
22 34 36 19-0014	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	17,595.25	862.38
22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)				
22 34 36 23-0001		Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23) Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	100,314.17	1,615.24
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	121,417.41	1,716.19
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	147,673.72	1,817.14
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	176,674.92	1,918.10
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	185,179.79	2,019.05
22 34 36 23-0007		Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)		
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,302.62	888.98
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,336.51	1,000.10
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,422.14	1,222.35
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,614.73	1,333.48
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,845.30	1,555.71
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,420.42	1,777.96
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,384.59	2,000.21
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,575.28	2,222.46
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,981.54	2,333.57
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,837.19	2,444.70
22 34 36 23-0018		Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) (22 34 36 23) Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)..... For Skid Mounting, Add	20,352.31 950.00	666.62
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)..... For Skid Mounting, Add	23,669.88 950.00	888.98
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)..... For Skid Mounting, Add	31,029.04 950.00	1,000.10
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)..... For Skid Mounting, Add	38,974.50 950.00	1,222.35
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)..... For Skid Mounting, Add	46,079.16 950.00	1,333.48
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)..... For Skid Mounting, Add	52,125.00 950.00	1,444.59
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)..... For Skid Mounting, Add	62,621.87 950.00	1,555.71
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)..... For Skid Mounting, Add	69,417.71 950.00	1,666.84
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)..... For Skid Mounting, Add	91,411.25 950.00	1,777.96
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)..... For Skid Mounting, Add	122,896.28 950.00	2,333.57
22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)				
22 34 36 26-0001		Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)		
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,672.65	1,689.07
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,830.81	1,866.86
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,245.60	1,955.76
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	60,919.24	2,133.55
22 34 36 26-0006		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,510.35	1,689.07
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,915.40	1,866.86
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,268.53	1,955.76
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,664.03	2,133.55
22 34 36 26-0011		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,327.22	800.08
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,160.68	888.98

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0014 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,757.55	1,066.78
22 34 36 26-0015 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,193.33	1,111.23
22 34 36 26-0016 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,732.61	1,333.48
22 34 36 26-0017 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,638.46	1,600.17
22 34 36 26-0018 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,467.90	1,689.07
22 34 36 26-0019 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,015.33	1,822.42
22 34 36 26-0020 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,402.29	1,911.31
22 34 36 26-0021 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,488.71	1,955.76
22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0023 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	23,714.44	1,333.48
22 34 36 26-0024 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	26,150.84	1,600.17
22 34 36 26-0025 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	31,304.95	1,822.42
22 34 36 26-0026 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	32,269.72	1,911.31
22 34 36 26-0027 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	33,754.88	1,955.76
22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0029 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,521.51	1,600.17
22 34 36 26-0030 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,450.70	1,822.42
22 34 36 26-0031 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,569.32	1,955.76
22 34 46 Oil-Fired Domestic Water Heaters (22 34)		
22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)		
22 34 46 11-0001 Oil-Fired Domestic Water Heaters (22 34 46 11)		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	4,008.86	185.75
22 34 46 11-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,959.50	185.75
22 34 46 11-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	4,118.08	185.75
22 34 46 11-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,319.12	190.57
22 34 46 11-0006 EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,393.36	195.39
22 34 46 11-0007 EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,609.21	195.39
22 34 46 11-0008 Oil-Fired Commercial Water Heaters (22 34 46 11)		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009 EA 173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	6,117.55	289.47
22 34 46 11-0010 EA 199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	7,149.94	289.47
22 34 46 11-0011 EA 242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	7,189.65	289.47
22 34 46 11-0012 EA 190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	10,061.10	385.96
22 34 46 11-0013 EA 415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	14,161.11	482.46
22 34 46 11-0014 EA 623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	17,637.96	530.71
22 34 46 13 Large-capacity, Oil-Fired Domestic Water Heaters (22 34 46)		
22 34 46 13-0001 Commercial Oil-Fired Domestic Water Heaters (22 34 46 13)		
22 34 46 13-0002 EA 140 Gallon, 140 MBH, 134 GPH, Glass Lined, Commercial Oil-Fired Water Heater	27,601.91	710.96
22 34 46 13-0003 EA 140 Gallon, 199 MBH, 191 GPH, Glass Lined, Commercial Oil-Fired Water Heater	28,519.29	757.15
22 34 46 13-0004 EA 140 Gallon, 255 MBH, 247 GPH, Glass Lined, Commercial Oil-Fired Water Heater	29,722.86	946.43
22 34 46 13-0005 EA 140 Gallon, 270 MBH, 259 GPH, Glass Lined, Commercial Oil-Fired Water Heater	36,953.81	1,261.90
22 34 46 13-0006 EA 160 Gallon, 400 MBH, 385 GPH, Glass Lined, Commercial Oil-Fired Water Heater	38,338.58	1,514.29
22 34 46 13-0007 EA 160 Gallon, 540 MBH, 519 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,004.89	1,577.38
22 34 46 13-0008 EA 160 Gallon, 720 MBH, 691 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,911.93	1,645.90
22 34 46 13-0009 EA 200 Gallon, 300 MBH, 288 GPH, Glass Lined, Commercial Oil-Fired Water Heater	53,161.60	1,720.86
22 34 46 13-0010 EA 200 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	56,871.73	1,760.86
22 34 46 13-0011 EA 200 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	59,243.35	1,846.67
22 34 46 13-0012 EA 200 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	60,805.52	1,802.76
22 34 46 13-0013 EA 240 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	61,473.63	1,861.82
22 34 46 13-0014 EA 240 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	66,616.33	1,958.23
22 34 46 13-0015 EA 300 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	62,089.00	1,894.50
22 34 46 13-0016 EA 300 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	64,724.89	1,974.88
22 34 46 13-0017 EA 300 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	66,136.87	1,993.44
22 34 46 13-0018 EA 300 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	67,429.69	2,089.84
22 34 46 13-0019 EA 300 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	72,077.15	2,213.51
22 34 46 13-0020 EA 400 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	67,306.27	2,028.14
22 34 46 13-0021 EA 400 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,206.31	2,103.22
22 34 46 13-0022 EA 400 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,468.22	2,184.11
22 34 46 13-0023 EA 400 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	73,385.61	2,317.87



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 13-0024 EA 400 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	77,537.97	2,468.92
22 34 46 13-0025 EA 400 Gallon, 1,750 MBH, 1,681 GPH, Glass Lined, Commercial Oil-Fired Water Heater	80,082.47	2,641.17
22 34 46 13-0026 EA 400 Gallon, 2,000 MBH, 1,921 GPH, Glass Lined, Commercial Oil-Fired Water Heater	86,390.02	2,770.01
22 34 46 13-0027 EA 400 Gallon, 2,250 MBH, 2,161 GPH, Glass Lined, Commercial Oil-Fired Water Heater	89,577.52	2,988.69
22 34 46 13-0028 EA 400 Gallon, 2,500 MBH, 2,401 GPH, Glass Lined, Commercial Oil-Fired Water Heater	92,764.90	3,207.52

22 35 Domestic Water Heat Exchangers (22 30)

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

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

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

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

22 35 23 13-0003 EA 30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,530.50	603.07
22 35 23 13-0004 EA 90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,155.14	739.00
22 35 23 13-0005 EA 140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,451.88	966.48
22 35 23 13-0006 EA 230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,146.83	1,346.17
22 35 23 13-0007 EA 500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	20,896.66	2,217.12
22 35 23 13-0008 EA 900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	22,783.03	2,512.74
22 35 23 13-0009 EA 1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	29,859.06	2,899.31
22 35 23 13-0010 EA 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	35,921.17	3,426.51

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

22 35 23 13-0012 EA 30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	9,863.72	1,175.98
22 35 23 13-0013 EA 90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,189.27	1,435.91
22 35 23 13-0014 EA 140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,275.85	1,856.72
22 35 23 13-0015 EA 230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	18,736.53	2,590.54
22 35 23 13-0016 EA 500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	28,005.14	4,332.44
22 35 23 13-0017 EA 900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	34,034.27	4,771.12
22 35 23 13-0018 EA 1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	39,430.20	5,583.93
22 35 23 13-0019 EA 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	49,893.22	6,671.14

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 26 Residential Disposers (22 41)

22 41 26 00-0001 Disposals (22 41 26)

22 41 26 00-0002 EA 1/3 HP Insulated Garbage Disposal	286.32	78.47
22 41 26 00-0003 EA 1/2 HP Insulated Garbage Disposal	323.82	78.47
22 41 26 00-0004 EA 3/4 HP Insulated Garbage Disposal	417.58	78.47
22 41 26 00-0005 EA 1 HP Insulated Garbage Disposal	511.34	78.47

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

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

22 41 39 00-0002 EA Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	223.92	55.53
22 41 39 00-0003 EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	260.21	55.53
22 41 39 00-0004 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	260.21	55.53
22 41 39 00-0005 EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	250.19	55.53
22 41 39 00-0006 EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	269.69	55.53

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

22 41 39 00-0008 EA Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	206.47	39.98
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0009 EA Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	206.47	39.98
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0010 EA Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	146.77	39.98
For Faucet With Brass Pop-Up, Add	16.50	
For Faucet With Plastic Pop-Up, Add	14.00	

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

22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	269.51	48.20
For Faucet With Polished Nickel Or Brass Finish, Add	25.00	
22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	319.16	48.20
For Faucet With Polished Nickel Or Brass Finish, Add	25.00	

22 Plumbing**22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)..... <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	247.87 75.00 8.10	48.20
22 41 39 00-0015 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	274.60 75.00 8.10	48.20
22 41 39 00-0016 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	308.55	30.16
22 41 39 00-0017 EA Wall Mount, Hand Shower With Hose (Delta 55011)	255.38	30.16
22 41 39 00-0018 EA Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	287.64	30.16
22 41 39 00-0019 Residential Laundry Faucets (22 41 39)		
22 41 39 00-0020 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	177.12	35.46
22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0022 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	178.62	35.46
22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	257.55	39.08
22 41 39 00-0024 Supply Lines and Shut-off Valves (22 41 39)		
See CSI section 22 42 39 00-0147 for supply lines and shut-off valves.		
22 41 39 00-0025 EA 16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	17.85	7.54
22 41 39 00-0026 EA 20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	20.56	7.54
22 41 39 00-0027 Other Residential Faucets (22 41 39)		
22 41 39 00-0028 EA Sillcock, Compact, Brass, IPS Or Copper To Hose	45.19	9.05

22 42 Commercial Plumbing Fixtures (22 40)

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

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

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)		
Note: With a 2" ball pass.		
22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	633.45	115.51
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	768.27	115.51
22 42 13 13-0005 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	961.95	115.51
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	807.25	115.51
22 42 13 13-0007 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	905.70	115.51
22 42 13 13-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	917.81	115.51
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	609.66	115.51
22 42 13 13-0010 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	688.99	115.51
22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®)	716.34	142.16
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit)	925.21	142.16
22 42 13 13-0014 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,175.91	142.16
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	726.89	142.16
22 42 13 13-0016 EA Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,491.32	142.16
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	810.22	142.16
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	778.68	142.16
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	901.04	142.16



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0020		Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	614.30	115.51
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	679.23	115.51
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	855.70	115.51
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	829.34	115.51
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	854.33	115.51
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,065.98	115.51
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	829.58	115.51
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	729.30	115.51
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	793.53	115.51
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	891.20	115.51
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	749.71	115.51
22 42 13 13-0032	EA	2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	733.83	115.51
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	802.73	115.51
22 42 13 13-0034		Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	662.88	115.51
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	652.45	115.51
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	725.41	115.51
22 42 13 13-0038		Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	749.89	115.51
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	726.47	115.51
22 42 13 13-0041		Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	2,596.45	249.90
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,348.38	249.90
22 42 13 13-0044		Water Closet Carriers (22 42 13 13)		
22 42 13 13-0045		Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier.....	740.09	58.64
22 42 13 13-0047		No-Hub, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,178.76	58.64
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	66.74	
		For Supply Pipe Support, Add	68.35	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	291.04	
		For Special Duty 500 Lb. Carrier, Add	510.97	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,178.76	58.64
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	66.74	
		For Supply Pipe Support, Add	68.35	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	291.04	
		For Special Duty 500 Lb. Carrier, Add	510.97	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0050	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,292.84	58.64
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
			For Positioning Frame, Add	66.74	
			For Supply Pipe Support, Add	68.35	
			For Vandal Proof Trim, Add	91.60	
			For Auxiliary Inlet, Add	291.04	
			For Horizontal No Hub Cast Long Barrel, Add	305.39	
			For Carrier For Wide Chase Installations, Add	392.36	
			For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0051	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,439.06	58.64
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
			For Positioning Frame, Add	66.74	
			For Supply Pipe Support, Add	68.35	
			For Vandal Proof Trim, Add	91.60	
			For 4" Branch, Add	233.09	
			For Auxiliary Inlet, Add	291.04	
			For Carrier For Wide Chase Installations, Add	392.36	
			For Double 4" Branches, Add	467.77	
			For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0052	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,973.87	86.07
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
			For Positioning Frame, Add	141.79	
			For Supply Pipe Support, Add	145.02	
			For Vandal Proof Trim, Add	183.20	
			For Auxiliary Inlet, Add	307.70	
			For Special Duty 500 Lb. Carrier, Add	1,021.93	
22 42 13 13-0053	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,031.73	86.07
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
			For Positioning Frame, Add	141.79	
			For Supply Pipe Support, Add	145.02	
			For Vandal Proof Trim, Add	183.20	
			For Auxiliary Inlet, Add	307.70	
			For Special Duty 500 Lb. Carrier, Add	1,021.93	
22 42 13 13-0054	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,492.88	86.07
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
			For Positioning Frame, Add	141.79	
			For Supply Pipe Support, Add	145.02	
			For Vandal Proof Trim, Add	183.20	
			For 4" Branch, Add	241.42	
			For Auxiliary Inlet, Add	307.70	
			For Double 4" Branches, Add	484.43	
			For Carrier For Wide Chase Installations, Add	834.70	
			For Special Duty 1,000 Lb. Carrier, Add	1,021.96	
22 42 13 13-0055	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,341.84	86.07
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
			For Positioning Frame, Add	141.79	
			For Supply Pipe Support, Add	145.02	
			For Vandal Proof Trim, Add	183.20	
			For Horizontal No Hub Cast Long Barrel, Add	313.72	
			For Carrier For Wide Chase Installations, Add	834.70	
			For Special Duty 1,000 Lb. Carrier, Add	1,021.96	
22 42 13 13-0056			Hub And Spigot, Water Closet Carriers (22 42 13 13-0044)		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0057	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	1,101.16	58.64
			For Positioning Frame, Add	66.74	
			For Supply Pipe Support, Add	68.35	
			For Vandal Proof Trim, Add	91.60	
			For Hanger Type Closet Adapter, Add	229.78	
			For Auxiliary Inlet, Add	291.04	
22 42 13 13-0058	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,178.76	58.64
			For Positioning Frame, Add	66.74	
			For Supply Pipe Support, Add	68.35	
			For Vandal Proof Trim, Add	91.60	
			For Auxiliary Inlet, Add	291.04	
			For Special Duty 500 Lb. Carrier, Add	510.97	
22 42 13 13-0059	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,493.69	58.64
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
			For Positioning Frame, Add	66.74	
			For Supply Pipe Support, Add	68.35	
			For Vandal Proof Trim, Add	91.60	
			For 4" Branch, Add	233.09	
			For Auxiliary Inlet, Add	291.04	
			For Carrier For Wide Chase Installations, Add	392.36	
			For Double 4" Branches, Add	467.77	
			For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0060	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,841.09	86.07
			For Positioning Frame, Add	141.79	
			For Supply Pipe Support, Add	145.02	
			For Vandal Proof Trim, Add	183.20	
			For Auxiliary Inlet, Add	307.70	
			For Hanger Type Closet Adapter, Add	459.55	



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0061	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 Lb. Carrier, Add</i>	2,547.52 -215.28 141.79 145.02 183.20 241.42 307.70 484.43 834.70 1,021.96	86.07
22 42 13 13-0062			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	897.56 66.74 68.35 91.60 229.78	58.64
22 42 13 13-0064			Institutional Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	3,293.10 -215.28 141.79 145.02 183.20 307.70	86.07
22 42 13 13-0066			Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	510.03	
22 42 13 13-0068	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	510.03	
22 42 13 13-0069	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank	392.79	
22 42 13 13-0070	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	392.79	
22 42 13 16			Commercial Urinals (22 42 13)		
22 42 13 16-0001			Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA		Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	618.71	118.84
22 42 13 16-0004	EA		Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	733.55	118.84
22 42 13 16-0005	EA		Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	697.44	118.84
22 42 13 16-0006	EA		Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	768.09	118.84
22 42 13 16-0007	EA		Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	730.09	118.84
22 42 13 16-0008	EA		Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	594.42	118.84
22 42 13 16-0009	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	780.33	118.84
22 42 13 16-0010	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	704.43	118.84
22 42 13 16-0011	EA		Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	693.40	118.84
22 42 13 16-0012	EA		Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	634.45	118.84
22 42 13 16-0013	EA		Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	676.23	118.84
22 42 13 16-0014			Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015	EA		Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,069.55	149.93
22 42 13 16-0016	EA		Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,163.10	149.93
22 42 13 16-0017	EA		Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	316.13	27.77
22 42 13 16-0018	EA		Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	358.57	27.77
22 42 13 16-0019			Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0020	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	648.11 66.90 -42.23	83.30
22 42 13 16-0021	EA		Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	784.46 66.90 -57.78	83.30
22 42 13 16-0022	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	745.44	83.30
			<i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	66.90 -53.33	
22 42 13 16-0023	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	610.30	83.30
			<i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	66.90 -37.92	
22 42 13 16-0024	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	610.30	83.30
			<i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	66.90 -37.92	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) For Colored Fixtures, Add For >1, Deduct	805.65 66.90 -60.19	83.30
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) For >1, Deduct	974.55 -79.45	83.30
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,641.34	249.90
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	5,372.71	305.43
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier..... For Up To 4" Extension Sleeves And Hardware, Add	613.54 33.74	42.21
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier For Up To 4" Extension Sleeves And Hardware, Add	715.33 33.74	42.21
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier For Up To 6-1/2" Extension Sleeves And Hardware, Add	273.45 33.74	42.21
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	505.96	
22 42 16 Commercial Lavatories and Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	558.09	74.41
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	584.89	74.41
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	735.04	74.41
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	509.21	74.41
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	434.32	74.41
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	557.65	74.41
22 42 16 13-0009 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	662.94	74.41
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	521.83	74.41
22 42 16 13-0011 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	456.39	74.41
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	528.96	89.96
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	541.23	89.96
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	575.37	89.96
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	611.79	89.96
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	812.73	97.18
22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	485.48	89.96
22 42 16 13-0020 EA 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	459.72	89.96
22 42 16 13-0021 EA 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	459.72	89.96
22 42 16 13-0022 EA 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	491.09	89.96
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	475.12	89.96
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	470.38	89.96
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	475.21	89.96
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	581.89	89.96
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	581.89	89.96
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	647.97	213.80
22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0031 EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	374.88	83.30
22 42 16 13-0032 EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	432.38	88.85
22 42 16 13-0033 EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	536.90	94.40
22 42 16 13-0034 EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	766.60	99.96



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

22

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	409.06		83.30
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	442.01		88.85
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	593.75		94.40
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	654.05		97.18
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	742.55		99.96
22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	783.21		83.30
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	818.84		88.85
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	946.56		94.40
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	953.79		97.18
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,044.06		99.96
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,409.75		105.51
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,670.47		111.05
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	46.77		
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	651.15		83.30
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	735.63		88.85
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	831.42		94.40
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	918.84		97.18
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	998.76		99.96
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,104.07		102.73
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,233.26		105.51
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,265.33		105.51
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,368.63		111.05
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	69.28		
22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)					
Note: ADA compliant. Includes integral faucets.					
22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,173.52		161.78
For Integral Liquid Soap Dispenser, Add			171.00		
For Integral Photovoltaic Power Panels, Add			563.00		
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,535.74		161.78
For Integral Liquid Soap Dispenser, Add			171.00		
For Integral Photovoltaic Power Panels, Add			657.00		
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	478.85		53.93
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	596.15		53.93
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,193.56		53.93
22 42 16 13-0066 Stainless Steel Lavatories (22 42 16 13-0001)					
22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,486.19		194.37
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)					
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0069)					
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069)					
Note: Includes adjustable supporting rods, structural uprights and welded feet.					
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	613.54		42.21
For Up To 4" Extension Sleeves And Hardware, Add			33.74		
For Valve Plate For Attaching To Upright, Add			115.71		
For Corner Carrier, Add			225.02		
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	715.33		42.21
For Up To 4" Extension Sleeves And Hardware, Add			33.74		
For Valve Plate For Attaching To Upright, Add			115.71		
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	822.99		42.21
For Up To 4" Extension Sleeves And Hardware, Add			67.48		
For Valve Plate For Attaching To Upright, Add			231.43		
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	946.72		42.21
For Up To 4" Extension Sleeves And Hardware, Add			67.48		
For Valve Plate For Attaching To Upright, Add			231.43		
22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069)					
Note: Includes leveling and securing screws, structural uprights and welded feet.					
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	791.39		49.98
For Up To 6-1/2" Extension Sleeves And Hardware, Add			33.74		
For Concealed Arm Carrier For Wheelchair Lavatory, Add			46.60		
For Valve Plate For Attaching To Upright, Add			117.94		
For 2" Chrome Plated Escutcheons, Add			114.08		
For 4" Or 6" Chrome Plated Escutcheons, Add			207.28		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add For Heavy-Duty Carrier, Add	1,140.86 33.74 91.60 117.94 117.29	49.98
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms..... For Up To 6-1/2" Extension Sleeves And Hardware, Add For Concealed Arm Carrier For Wheelchair Lavatory, Add For Valve Plate For Attaching To Upright, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	1,062.64 67.48 93.21 235.87 228.16 414.56	49.98
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms..... For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add For Heavy-Duty Carrier, Add	1,704.86 67.48 183.20 235.87 234.59	49.98
22 42 16 13-0080		Wall Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0081		Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier..... For Double Plate Carrier, Add	273.45 86.81	42.21
22 42 16 13-0083		Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms..... For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add	470.81 33.74 114.08	49.98
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms..... For Movable Mounting Brackets, Deduct For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	560.80 -86.76 33.74 114.08 207.28	49.98
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	838.78 33.74 91.60	49.98
22 42 16 13-0087		Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	326.66	
22 42 16 16		Commercial Sinks (22 42 16)		
22 42 16 16-0001		Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets.		
22 42 16 16-0002		Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	704.69	104.40
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	925.37	118.84
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... For 18 Gauge, Add	958.95 271.23	102.18
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... For 18 Gauge, Add	986.15 284.83	102.18
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... For 18 Gauge, Add	1,047.35 315.43	102.18
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)..... For 18 Gauge, Add	1,101.48 335.83	104.40
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)..... For 18 Gauge, Add	1,411.34 469.57	118.84
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)..... For 18 Gauge, Add	1,450.42 488.91	118.84
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,399.82	102.18
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,430.42	102.18
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,507.49	102.18
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,610.35	104.40
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,965.54	118.84
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,884.48	118.84
22 42 16 16-0017		Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,258.91	102.18
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,233.22	102.18
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,270.24	102.18
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,347.31	102.18



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,298.57	102.18
Note: Available in 4-1/2", 5, or 5-1/2" depths.				
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,496.10	102.18
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,791.41	102.18
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	995.27	102.18
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,337.49	102.18
22 42 16 16-0027		Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.				
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,895.84	180.48
Note: Excludes faucets.				
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,511.34	194.37
Note: Excludes faucets.				
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,880.75	208.24
Note: Excludes faucets.				
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,643.39	138.83
Note: Excludes faucets.				
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,941.49	152.71
Note: Excludes faucets.				
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,233.50	166.60
Note: Excludes faucets.				
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,592.87	187.42
Note: Excludes faucets.				
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,528.74	305.43
Note: Includes sensor operated spray heads.				
22 42 16 16-0036		Utility Or Laundry Sinks (22 42 16 16-0001)		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	650.11	118.84
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	745.91	118.84
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	648.19	118.84
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	986.76	118.84
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,397.91	133.28
22 42 16 16-0042		Refinish Sink/Lavatory (22 42 16 16-0001)		
22 42 16 16-0043	EA	Refinish Sink/Lavatory.....	256.38	
22 42 16 16-0044		Service Sinks (22 42 16 16-0001)		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,125.97	178.82
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,178.22	178.82
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,357.80	236.56
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	540.67	166.60
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	624.08	166.60
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	695.41	199.91
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	637.00	166.60
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	724.66	199.91
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	1,031.56	166.60
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,274.09	199.91
22 42 16 16-0055	EA	33" x 33" x 10", Type 304 Stainless Steel, ADA Mop Sink (IMC Teddy FS-ADA).....	2,168.97	74.08
22 42 16 16-0056		Soapstone Sinks (22 42 16 16-0001)		
22 42 16 16-0057	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,089.85	102.18
22 42 16 16-0058	SF	Soapstone Sink Backsplash.....	169.71	
22 42 16 16-0059	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,384.48	118.84
22 42 16 16-0060	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,614.33	118.84
22 42 16 16-0061		Stainless Steel Sink And Drainboard (22 42 16 16-0001)		
22 42 16 16-0062	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	4,598.92	277.66
22 42 16 16-0063		Classroom Sinks (22 42 16 16-0001)		
Note: Includes drain, trap and supply valves.				
22 42 16 16-0064	EA	25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654).....	964.52	102.18
Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)				

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 42 16 16-0065	Sink Carriers (22 42 16 16)				
22 42 16 16-0066	Floor Mounted, Sink Carriers (22 42 16 16-0065)				
	Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.				
22 42 16 16-0067	EA Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	902.58		42.21	
	For Vandal Proof Trim, Add	91.60			
	For Valve Plate For Attaching To Upright, Add	115.71			
22 42 16 16-0068	EA Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,518.74		42.21	
	For Vandal Proof Trim, Add	91.60			
	For Auxiliary Vent, Add	268.38			
22 42 16 16-0069	EA Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,910.83		42.21	
	For Up To 4" Extension Sleeves And Hardware, Add	69.09			
	For Vandal Proof Trim, Add	91.60			
22 42 16 16-0070	Removal And Reinstallation Of Sink And Trim (22 42 16 16)				
	Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 16 16-0071	EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	447.84			
22 42 19	Commercial Bathtubs (22 42)				
22 42 19 00-0001	Recessed Alcove Bathtubs (22 42 19)				
22 42 19 00-0002	Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0003	EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	2,340.67		308.76	
22 42 19 00-0004	EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,677.15		308.76	
22 42 19 00-0005	EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,709.05		308.76	
22 42 19 00-0006	EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,665.89		308.76	
22 42 19 00-0007	Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0008	EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	748.19		308.76	
22 42 19 00-0009	EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	909.64		308.76	
22 42 19 00-0010	Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0011	EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,319.91		308.76	
22 42 19 00-0012	Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)				
22 42 19 00-0013	EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,346.52		308.76	
22 42 19 00-0014	EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,625.01		308.76	
22 42 19 00-0015	EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,651.53		308.76	
22 42 19 00-0016	EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,631.46		308.76	
22 42 19 00-0017	EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,664.79		308.76	
22 42 19 00-0018	Bathtub Refinishing (22 42 19)				
22 42 19 00-0019	EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	660.98			
22 42 19 00-0020	Tub And Shower Combinations (22 42 19)				
22 42 19 00-0021	Acrylic Tub And Shower Combination (22 42 19 00-0020)				
22 42 19 00-0022	EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH).....	907.15		116.48	
	For 2 Piece Enclosure, Deduct	-204.80			
22 42 19 00-0023	Fiberglass Tub And Shower Combination (22 42 19 00-0020)				
22 42 19 00-0024	EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	1,104.34		116.48	
22 42 19 00-0025	EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	1,088.07		116.48	
22 42 19 00-0026	EA 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,598.30		175.81	
22 42 19 00-0027	EA 3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	2,493.94		369.21	
	For 2 Piece Enclosure, Deduct	-526.76			
22 42 23	Commercial Showers (22 42)				
22 42 23 00-0001	Shower Enclosures (22 42 23)				
	Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.				
22 42 23 00-0002	Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)				
22 42 23 00-0003	EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,676.36		179.14	
22 42 23 00-0004	EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,822.81		179.14	
22 42 23 00-0005	EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,760.12		179.14	
22 42 23 00-0006	EA 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	3,038.38		179.14	



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,744.01	179.14
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	3,009.09	179.14
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,327.17	179.14
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,839.76	179.14
22 42 23 00-0012		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	987.05	179.14
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,018.46	179.14
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,062.68	179.14
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,160.11	179.14
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,171.00	179.14
22 42 23 00-0018		1 Piece Shower Units (22 42 23)		
22 42 23 00-0019	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3232CS).....	1,034.84	116.48
22 42 23 00-0020	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3636CS).....	1,068.17	116.48
22 42 23 00-0021		Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0022		Acrylic Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor.....	639.42	45.23
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor.....	680.17	45.23
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor.....	761.55	45.23
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor.....	927.37	54.28
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor.....	641.34	45.23
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor.....	694.93	45.23
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor.....	794.64	45.23
22 42 23 00-0030	EA	60" x 32" Acrylic Shower Receptor.....	876.65	54.28
22 42 23 00-0031	EA	60" x 36" Acrylic Shower Receptor.....	883.55	54.28
22 42 23 00-0032	EA	60" x 42" Acrylic Shower Receptor.....	889.88	54.28
22 42 23 00-0033	EA	60" x 48" Acrylic Shower Receptor.....	988.95	54.28
22 42 23 00-0034	EA	36" x 36" Acrylic Corner Shower Receptor.....	966.08	45.23
22 42 23 00-0035	EA	42" x 42" Acrylic Corner Shower Receptor.....	1,119.89	45.23
22 42 23 00-0036		Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0037	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	313.85	45.23
22 42 23 00-0038	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	328.75	45.23
22 42 23 00-0039	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	330.41	45.23
22 42 23 00-0040	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	404.08	45.23
22 42 23 00-0041	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	359.38	45.23
22 42 23 00-0042	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	380.08	45.23
22 42 23 00-0043	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	382.56	45.23
22 42 23 00-0044	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	443.34	54.28
22 42 23 00-0045	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	459.07	54.28
22 42 23 00-0046	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	363.52	45.23
22 42 23 00-0047	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	372.63	45.23
22 42 23 00-0048		Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0049	EA	30" x 30" Precast Terrazzo Shower Receptor.....	583.72	45.23
22 42 23 00-0050	EA	32" x 32" Precast Terrazzo Shower Receptor.....	606.07	45.23
22 42 23 00-0051	EA	34" x 34" Precast Terrazzo Shower Receptor.....	626.77	45.23
22 42 23 00-0052	EA	36" x 36" Precast Terrazzo Shower Receptor.....	629.25	45.23
22 42 23 00-0053	EA	40" x 40" Precast Terrazzo Shower Receptor.....	688.03	45.23
22 42 23 00-0054	EA	42" x 42" Precast Terrazzo Shower Receptor.....	717.83	45.23
22 42 23 00-0055	EA	48" x 48" Precast Terrazzo Shower Receptor.....	1,005.91	45.23
22 42 23 00-0056	EA	36" x 32" Precast Terrazzo Shower Receptor.....	621.80	45.23
22 42 23 00-0057	EA	42" x 32" Precast Terrazzo Shower Receptor.....	633.67	45.23
22 42 23 00-0058	EA	42" x 34" Precast Terrazzo Shower Receptor.....	654.91	45.23
22 42 23 00-0059	EA	42" x 36" Precast Terrazzo Shower Receptor.....	681.40	45.23
22 42 23 00-0060	EA	32" x 48" Precast Terrazzo Shower Receptor.....	683.89	45.23
22 42 23 00-0061	EA	48" x 34" Precast Terrazzo Shower Receptor.....	717.83	45.23
22 42 23 00-0062	EA	54" x 32" Precast Terrazzo Shower Receptor.....	751.77	45.23
22 42 23 00-0063	EA	60" x 30" Precast Terrazzo Shower Receptor.....	1,015.06	54.28
22 42 23 00-0064	EA	60" x 32" Precast Terrazzo Shower Receptor.....	1,108.99	54.28
22 42 23 00-0065	EA	60" x 34" Precast Terrazzo Shower Receptor.....	1,113.60	54.28
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor.....	1,118.18	54.28
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	632.56	45.23
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	633.67	45.23
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	635.87	45.23
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	760.87	45.23
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,377.60	45.23
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,534.41	54.28
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,598.98	54.28

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0074		Shower Receptors Accessories (22 42 23 00-0021)			
22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner		3.98	
22 42 23 00-0076		Removal And Reinstallation Of Fixtures And Trim (22 42 23)			
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head		54.28	
22 42 23 00-0078		Removal Of Tile Shower Floor With Lead Liner Pan (22 42 23)			
		See CSI section 01 74 19 00-0031 for landfill dump fee.			
22 42 23 00-0079	SF	Removal Of Tile Shower Floor With Lead Liner Pan		0.00	4.36
22 42 26		Commercial Disposers (22 42)			
		See CSI section 22 41 26 00-0001 for disposals.			
22 42 33		Wash Fountains (22 42)			
22 42 33 00-0001		Circular Wash Fountain, Deep Bowl (22 42 33)			
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.			
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)		9,724.25	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)		4,943.48	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)		8,503.02	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)		12,395.67	215.71
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)		5,702.75	215.71
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)		10,183.05	215.71
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0008		Semi-Circular Wash Fountain, Deep Bowl (22 42 33)			
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.			
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)		8,484.55	161.78
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)		4,508.14	161.78
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)		6,456.24	161.78
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)		10,411.71	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)		5,436.60	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)		7,678.40	188.75
		For Metal Soap Dispenser, Add		100.00	
		For Stainless Steel Pedestal Panels, Add		100.00	
22 42 39		Commercial Faucets, Supplies, and Trim (22 42)			
22 42 39 00-0001		Kitchen Faucets (22 42 39)			
22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)		242.45	55.53
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)		275.72	55.53
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)		273.15	55.53
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)		302.03	55.53
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)		224.87	55.53



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	248.31	55.53
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	327.30	55.53
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	228.17	55.53
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	219.30	55.53
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	262.67	55.53
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	463.58	55.53
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	510.15	55.53
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	478.25	60.31
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	475.98	60.31
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	350.65	60.31
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	835.31	55.53
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	1,061.34	55.53
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	1,136.68	55.53
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041CR).....	835.31	55.53
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041NK).....	1,061.34	55.53
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041RB).....	1,136.68	55.53
22 42 39 00-0023 Lavatory Faucets (22 42 39)				
22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	314.92	39.98
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	218.69	39.98
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	271.33	39.98
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	297.58	39.98
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	365.37	39.98
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	436.70	39.98
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	260.01	39.98
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	395.54	39.98
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	285.19	39.98
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	291.79	39.98
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	352.26	39.98
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	345.11	39.98
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	282.03	39.98
22 42 39 00-0037 Bath And Shower Faucets (22 42 39)				
22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)				
22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	277.15	48.20
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	326.80	48.20
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	358.62	48.20
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	255.51	48.20
		For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	268.24	48.20
		For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	305.16	48.20
		For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	347.17	48.20
		For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0046 Shower Valves And Trim (22 42 39)				
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	440.59	74.97
22 42 39 00-0048	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	1,023.26	74.97
22 42 39 00-0049	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	702.28	74.97
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150).....	269.19	48.20
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151).....	458.75	48.20
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295).....	319.10	48.20
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	237.37	48.20
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	1,027.68	72.19
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	834.93	83.30
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	1,111.56	83.30
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,574.74	88.85
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,430.14	74.97
		For Hand Spray, Hose And Wall Hooks, Add	106.44	
		For Recessed Soap Dish, Add	108.12	
		For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
		For Pressure Balance And Metering Combination, Add	291.63	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,706.39	74.97
		For Hand Spray, Hose And Wall Hooks, Add	106.44	
		For Recessed Soap Dish, Add	108.12	
		For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,151.66	74.97
		For Hand Spray, Hose And Wall Hooks, Add	19.32	
		For Hand Spray, Hose And 30" Slide Bar, Add	78.39	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,754.96	74.97
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,885.00	74.97
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	3,504.75	74.97
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	227.79	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	3,057.47	74.97
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,518.73	74.97
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	2,348.51	74.97
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,516.64	74.97
22 42 39 00-0068	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,512.06	74.97
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	1,117.97	66.64
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	866.63	48.20
22 42 39 00-0071		Service Sink Faucets (22 42 39)		
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	600.18	92.46
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	422.72	92.46
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	457.09	92.46
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	474.91	92.46
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	618.29	129.61
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	691.88	147.72
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	803.91	147.72
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	471.16	92.46
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-KKCAB)	972.97	147.72
22 42 39 00-0081		Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0082	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	243.20	39.32
22 42 39 00-0083	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	400.18	55.53
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	522.68	55.53
22 42 39 00-0085	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	317.10	51.86
22 42 39 00-0086	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	430.02	73.97
22 42 39 00-0087	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	589.74	73.97
22 42 39 00-0088	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	472.68	55.53
22 42 39 00-0089	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	459.05	73.97
22 42 39 00-0090	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	302.12	42.70
22 42 39 00-0091	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	425.57	60.31



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0092 EA 4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	324.34	60.31
22 42 39 00-0093 EA 4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	399.47	60.31
22 42 39 00-0094 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	98.81	37.09
22 42 39 00-0095 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	657.13	66.64
22 42 39 00-0096 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	850.10	66.64
22 42 39 00-0097 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	1,025.91	66.64
22 42 39 00-0098 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332- E22E7CP).....	905.18	66.64
22 42 39 00-0099 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	1,081.22	66.64
22 42 39 00-0100 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	166.57	36.65
22 42 39 00-0101 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	234.32	43.98
22 42 39 00-0102 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	234.32	43.98
22 42 39 00-0103 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	302.07	51.31
22 42 39 00-0104 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	369.80	58.64
22 42 39 00-0105 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0106 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	934.63	41.65
22 42 39 00-0107 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,013.99	38.87
22 42 39 00-0108 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800- CA-8)	1,310.04	41.65
22 42 39 00-0109 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,383.94	41.65
22 42 39 00-0110 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,684.01	27.77
22 42 39 00-0111 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,025.29	69.42
22 42 39 00-0112 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,831.47	69.42
22 42 39 00-0113 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,925.52	69.42
22 42 39 00-0114 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	363.56	42.22
22 42 39 00-0115 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	402.03	42.22
22 42 39 00-0116 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	435.64	42.22
22 42 39 00-0117 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,992.23	27.77
22 42 39 00-0118 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0119 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	436.70	39.32
22 42 39 00-0120 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	384.87	51.86
22 42 39 00-0121 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	430.61	39.32
22 42 39 00-0122 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	257.84	56.33
22 42 39 00-0123 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	512.04	42.70
22 42 39 00-0124 EA Push Button Bubbler, 1/2" OD (Haws 5017LF)	519.04	42.70
22 42 39 00-0125 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	430.57	42.70
22 42 39 00-0126 Automatic Electronic Sensor Faucets (22 42 39)		
22 42 39 00-0127 EA Electronic Lavatory Faucet (American Standard 6055.205.002)	793.17	92.63
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0128 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	800.81	92.63
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0129 EA Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,079.60	100.59
22 42 39 00-0130 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,128.28	92.63
22 42 39 00-0131 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,684.47	100.59
22 42 39 00-0132 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	2,114.88	100.59
22 42 39 00-0133 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,973.74	100.59
22 42 39 00-0134 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,372.26	92.63
22 42 39 00-0135 EA Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,095.64	92.63
22 42 39 00-0136 EA Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,158.05	92.63
22 42 39 00-0137 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	1,002.04	92.63
22 42 39 00-0138 EA Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,158.05	92.63
22 42 39 00-0139 EA Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	1,010.73	92.63
22 42 39 00-0140 EA Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	1,010.73	92.63
22 42 39 00-0141 EA Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,139.03	92.63
22 42 39 00-0142 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	964.77	92.63
22 42 39 00-0143 EA 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	925.41	92.63
22 42 39 00-0144 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,647.38	92.63
22 42 39 00-0145 Singles (22 42 39)		
22 42 39 00-0146 EA Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	304.79	40.76
22 42 39 00-0147 Supply Lines and Shut-off Valves (22 42 39)		
22 42 39 00-0148 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	49.17	11.66
22 42 39 00-0149 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	49.17	11.66
22 42 39 00-0150 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	41.11	11.66
22 42 39 00-0151 PR Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	38.60	12.81

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0152 EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	22.00	7.54
22 42 39 00-0153 EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	22.37	7.54
22 42 39 00-0154 Other Trim (22 42 39)		
22 42 39 00-0155 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	21.52	6.03
22 42 39 00-0156 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	143.53	18.09
22 42 39 00-0157 EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	58.49	15.08
22 42 39 00-0158 EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	137.22	15.08
22 42 39 00-0159 EA Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	73.26	16.66
22 42 39 00-0160 EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	92.92	16.66
22 42 39 00-0161 EA Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	317.23	16.66
22 42 39 00-0162 EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	359.15	16.66
22 42 39 00-0163 EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	287.83	16.66
22 42 39 00-0164 Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0165 EA Removal And Reinstallation Of Faucet	96.49	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Water Closet Flush Valves (22 42 43)		
22 42 43 00-0002 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	265.38	37.88
22 42 43 00-0003 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	257.28	37.88
22 42 43 00-0004 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	253.18	37.88
22 42 43 00-0005 EA Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	403.68	37.88
22 42 43 00-0006 EA Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	501.49	37.88
22 42 43 00-0007 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	861.24	37.88
22 42 43 00-0008 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	761.53	37.88
22 42 43 00-0009 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	802.79	37.88
22 42 43 00-0010 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	730.34	37.88
22 42 43 00-0011 EA Dual Flush Water Closet Flush Valve (Sloan UpperCut WES-115).....	347.13	37.88
Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	710.63	37.88
22 42 43 00-0013 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	293.06	37.88
22 42 43 00-0014 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	465.40	37.88
22 42 43 00-0015 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	350.04	33.32
22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	430.72	33.32
22 42 43 00-0017 EA 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	723.21	37.88
22 42 43 00-0018 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	792.51	37.88
22 42 43 00-0019 EA 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,033.13	37.88
22 42 43 00-0020 EA 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,033.13	37.88
22 42 43 00-0021 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV)	255.69	37.88
22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	733.48	37.88
22 42 43 00-0023 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	707.40	37.88
22 42 43 00-0024 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	389.38	33.32
22 42 43 00-0025 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	120.79	6.88
22 42 43 00-0026 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	781.10	37.88
22 42 43 00-0027 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	274.68	37.88
22 42 43 00-0028 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	597.57	37.88
22 42 43 00-0029 Urinal Flush Valves (22 42 43)		
22 42 43 00-0030 EA 3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL).....	203.22	37.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0031 EA 1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)	495.60	37.88
Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0032 EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	341.13	37.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033 EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	523.45	37.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	696.81	37.88
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035 EA Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	935.42	37.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036 EA Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	1,049.13	37.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0037 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	669.68	37.88
Note: 1.0 GPF.		
22 42 43 00-0038 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	827.16	37.88
Note: 0.5 GPF.		
22 42 43 00-0039 EA 3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV)	270.19	37.88
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0040 EA Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)	694.78	37.88
Note: 0.13 GPF.		
22 42 43 00-0041 EA 3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)	255.69	37.88
Note: 0.125 GPF.		



Plumbing			22
Plumbing Fixtures			22 40
Commercial Plumbing Fixtures			22 42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	586.77	37.88
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	733.48	37.88
22 42 43 00-0044		Removal And Reinstallation Of Fixtures And Trim (22 42 43) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0045	EA	Removal And Reinstallation Of Flush Valve	150.77	
22 42 43 00-0046		Plumbing Control Transformers (22 42 43)		
22 42 43 00-0047	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	62.26	
22 42 46		Chemical Toilets (22 42) Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002		Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	4,614.97 150.52	1,110.64
22 42 46 00-0004		Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	5,484.16 178.20	1,322.78
22 42 46 00-0006		Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	6,617.60 241.97	1,500.48
22 43		Healthcare Plumbing Fixtures (22 40)		
22 43 13		Healthcare Water Closets (22 43)		
22 43 13 00-0001		Healthcare Water Closets (22 43 13)		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	834.71	115.51
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	673.28	115.51
22 43 16		Healthcare Sinks (22 43)		
22 43 16 00-0001		Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,177.10	74.41
		For Stainless Steel Rim Guards (Three Sides), Add	106.51	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,279.01	213.80
		For Stainless Steel Rim Guards (Three Sides), Add	106.51	
		For Pedestal Base, Add	488.36	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,130.20	74.41
		For Painted Bracket Supports, Add	174.32	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	989.52	74.41
22 43 16 00-0006		Surgical Scrub Sinks (22 43 16)		
22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR)	5,554.44	166.60
		Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.		
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32)	8,519.95	222.13
		Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.		
		14 gauge 304 SS and skirts are 16 gauge 304 SS.		
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR).....	8,519.95	222.13
		Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.		
		14 gauge 304 SS and skirts are 16 gauge 304 SS.		
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64)	11,247.58	277.66
		Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.		
		14 gauge 304 SS and skirts are 16 gauge 304 SS.		
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR)	11,247.58	277.66
		Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.		
		14 gauge 304 SS and skirts are 16 gauge 304 SS.		

22 Plumbing**22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96)..... Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,688.82	333.19
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR)..... Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,688.82	333.19
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846)	582.87	83.30
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851).....	617.76	88.85
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852).....	676.44	94.40
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C)	13,561.29	111.06
22 43 23 Healthcare Showers (22 43)				
22 43 23 00-0001		Gel-Coated Fiberglass Showers (22 43 23)		
22 43 23 00-0002	EA	62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H)..... Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,245.56	222.13
22 43 23 00-0003	EA	Three Piece 62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H)..... Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,378.19	199.91
22 43 39 Healthcare Faucets (22 43)				
22 43 39 00-0001		Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	101.23	16.66
22 43 39 00-0003		Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... <i>For Hard Wired AC Powered, Add</i>	572.62 24.26	81.52
22 43 39 00-0005		Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	472.45	148.16
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	560.29	148.16
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,237.36	148.16
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	671.89	148.16
22 43 39 00-0010		Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	675.16	81.52
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	683.11	81.52
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	682.31	81.52
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	606.73	81.52
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	579.68	81.52
22 43 39 00-0016		Bedpan Washers (22 43 39)		
22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,615.73	148.16
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,532.43	148.16
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,507.75	148.16
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,483.76	148.16
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)				
22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	231.34	37.88
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	504.98	37.88
22 43 46 Healthcare Patient Care Units (22 43)				



Plumbing			22
Plumbing Fixtures			22 40
Healthcare Plumbing Fixtures			22 43

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0001		Patient Care Units (22 43 46)		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) For SDB Single Temperature Dialysis Box, Add For DDB Dual Temperature Dialysis Box, Add For BWSEV Bedpan Washer With Elevated Valve, Add For LOCK Flush Valve Lockout Device, Add	20,883.86 1,531.88 1,627.03 1,175.17 863.47	222.13
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) For SDB Single Temperature Dialysis Box, Add For DDB Dual Temperature Dialysis Box, Add For BWSEV Bedpan Washer With Elevated Valve, Add For LOCK Flush Valve Lockout Device, Add	16,448.33 1,531.88 1,627.03 1,175.17 863.47	194.37
22 43 46 00-0004		Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,992.81	30.16
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,195.95	30.16
22 45		Emergency Plumbing Fixtures (22 45)		
22 45 13		Emergency Showers (22 45)		
22 45 13 00-0001		Emergency Drench Showers (22 45 13)		
22 45 13 00-0002		Emergency Drench Showers (Haws) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	748.79	194.37
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	860.54	194.37
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	922.62	194.37
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,108.86	194.37
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,493.77	194.37
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,176.82	222.13
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,288.22	249.90
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,170.27	249.90
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,195.10	249.90
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,660.71	249.90
22 45 13 00-0013		Emergency Drench Showers (Speakman) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	647.77	194.37
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	667.12	194.37
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,047.28	222.13
22 45 13 00-0017		Emergency Drench Showers (WaterSaver) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	949.70	194.37
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	974.23	194.37
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,175.60	194.37
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,531.25	249.90
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	2,086.31	249.90
22 45 13 00-0023		Emergency Drench Showers (Guardian) (22 45 13 00-0001)		
22 45 13 00-0024	EA	11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P)	1,239.29	222.13
22 45 13 00-0025		Emergency Drench Showers (Hughes) (22 45 13 00-0001)		
22 45 13 00-0026	EA	41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G)	10,288.12	222.13
22 45 13 00-0027	EA	30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT)	1,680.77	222.13
22 45 16		Eyewash Equipment (22 45)		
22 45 16 00-0001		Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	333.93	5.55

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,561.38		249.90
22 45 16 00-0005		Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)			
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	995.02		55.53
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	995.02		55.53
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	1,013.61		55.53
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	1,013.61		55.53
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,354.84		55.53
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,547.08		55.53
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,547.08		55.53
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,887.81		55.53
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,887.81		55.53
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	3,023.07		55.53
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	3,023.07		55.53
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	3,734.86		55.53
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	3,734.86		55.53
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,791.30		194.37
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,765.07		194.37
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,247.95		194.37
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,793.29		194.37
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	1,053.25		194.37
22 45 16 00-0024		Emergency Eyewash Equipment (Fendall) (22 45 16 00-0001)			
22 45 16 00-0025	EA	7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838).....	691.88		60.31
		Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal			
22 45 16 00-0026		Emergency Eyewash Equipment (Porta Stream) (22 45 16 00-0001)			
22 45 16 00-0027	EA	26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142).....	513.23		40.16
22 45 16 00-0028		Emergency Eyewash Equipment (Pure Flow) (22 45 16 00-0001)			
22 45 16 00-0029	EA	30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297).....	664.67		60.31
22 45 16 00-0030		Emergency Eyewash Equipment (U-Line) (22 45 16 00-0001)			
22 45 16 00-0031	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457).....	740.89		241.22
		Note: Includes emergency sign and inspection tag			
22 45 16 00-0032	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795).....	834.87		241.22
		Note: Includes emergency sign and inspection tag			
22 45 16 00-0033	EA	20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917).....	264.69		40.16
22 45 16 00-0034	EA	1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100).....	148.97		20.14
22 45 23		Personal Eyewash Equipment (22 45)			
22 45 23 00-0001		Portable Eyewash Equipment (22 45 23)			
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)			
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	342.19		16.66
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H).....	1,806.29		16.66
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671).....	825.25		
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672).....	984.45		
22 45 26		Eye/Face Wash Equipment (22 45)			
22 45 26 00-0001		Emergency Eye/Face Wash Equipment (22 45 26)			
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)			
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	817.77		138.83
		Note: Excludes p-trap and tailpiece.			
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	817.08		194.37
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	798.46		194.37
		Note: Excludes p-trap and tailpiece.			
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	871.71		194.37
		Note: Excludes p-trap and tailpiece.			
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	879.16		194.37
		Note: Excludes p-trap and tailpiece.			



Plumbing			22
Plumbing Fixtures			22 40
Emergency Plumbing Fixtures			22 45

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	967.32	194.37
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,319.94	194.37
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,499.48	194.37
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,002.99	222.13
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,145.78	222.13
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,586.06	222.13
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	688.42	55.53
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	663.58	55.53
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	694.62	55.53
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	874.66	55.53
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	2,119.77	277.66
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,573.65	222.13
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,641.25	277.66
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,107.55	222.13
22 45 26 00-0022			Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	728.39	194.37
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	892.50	222.13
22 45 26 00-0025			Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,590.17	194.37
22 45 26 00-0027	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	2,135.51	194.37
22 45 26 00-0028	EA		Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	2,066.18	194.37
22 45 26 00-0029	EA		Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,900.75	194.37
22 45 26 00-0030	EA		Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,049.14	55.53
22 45 26 00-0031	EA		Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,049.14	55.53
22 45 26 00-0032	EA		Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,016.87	55.53
22 45 26 00-0033	EA		Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,016.87	55.53
22 45 26 00-0034	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,571.33	55.53
22 45 26 00-0035	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,571.33	55.53
22 45 26 00-0036			Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)		
Note: Includes one pull rod.					
22 45 26 00-0037	EA		All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,870.41	194.37
22 45 29			Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001			Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002			Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003	EA		Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	734.81	69.42
22 45 29 00-0004	EA		Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	846.56	69.42
22 45 29 00-0005			Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006	EA		Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	789.19	69.42
22 45 29 00-0007	EA		Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	724.43	69.42
22 45 29 00-0008	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,105.49	69.42
22 45 29 00-0009	EA		Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,033.42	69.42
22 45 29 00-0010	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,059.23	69.42
22 45 29 00-0011	EA		Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,399.04	69.42
22 45 29 00-0012	EA		Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,625.05	69.42
22 45 29 00-0013	EA		Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,548.41	69.42
22 45 33			Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001			Emergency Shower With Eye/Face Wash (22 45 33)		

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,353.67	360.96
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,938.22	360.96
		Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,038.04	360.96
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,261.04	360.96
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,385.70	360.96
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,242.91	360.96
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,913.88	360.96
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,149.30	360.96
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,453.50	360.96
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,521.78	360.96
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,937.73	360.96
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,179.85	360.96
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,111.56	360.96
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,160.24	360.96
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,495.48	360.96
22 45 33 00-0018	EA	Floor Mounted, CID1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,758.98	360.96
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,913.88	360.96
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,168.41	360.96
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,767.68	360.96
22 45 33 00-0023	EA	3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697)	1,179.98	222.13
22 45 33 00-0024		Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0025	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,356.66	301.53
22 45 33 00-0026	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,521.02	301.53
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,889.16	301.53
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,633.47	301.53
22 45 33 00-0029	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,434.50	301.53
22 45 33 00-0030		Emergency Shower With Eye/Face Wash (Guardian) (22 45 33 00-0001)		
22 45 33 00-0031	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101)	1,378.93	241.22
22 45 33 00-0032	EA	Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618)	2,770.00	241.22
22 45 33 00-0033	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697)	1,162.54	241.22
22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) (22 45 33 00-0001)		
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H)	3,754.40	222.13
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G)	1,424.81	222.13
22 45 36		Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment (22 45 36)		



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	778.27	69.42
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	1,144.55	69.42
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,684.65	69.42
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,988.85	69.42
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,820.74	69.42
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,975.94	69.42
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	5,006.00	69.42
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	6,017.92	69.42
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	871.39	69.42
22 45 39		Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	199.62	22.22
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	280.33	22.22
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	292.74	22.22
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	327.07	8.33
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	333.93	5.55
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	363.67	11.11
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFX).....	632.21	83.30
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317DLTEXP).....	666.20	41.32
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	989.03	41.32
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,144.55	83.30
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	2,199.61	41.32
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,448.29	137.73
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,497.96	137.73
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	4,621.14	137.73
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	8,780.58	137.73
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers..... Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,147.09	83.30
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	209.24	18.09
22 45 39 00-0022		Emergency Plumbing Fixture Accessories (U-Liner) (22 45 39 00-0001)		
22 45 39 00-0023	EA	58" Height x 29" Width x 20" Depth, Portable Eyewash Stand (U-Line H-5193)..... Note: Includes eyewash station bolts to stand	177.30	15.08
22 45 39 00-0024	EA	12" Height x 18" Width, Aluminum, Corrosion Resistant With Engineer-grade Reflective Surface, Eyewash Sign (U-Line S-17343A).....	67.26	15.08
22 45 39 00-0025	EA	7" Height x 10" Width, 0.055" Thick HDPE, Plastic, Eyewash Sign (U-Line S-17343P)..... Note: Includes pre-drilled mounting holes and 4 strips of double-sided mounting tape	40.32	9.65
22 45 39 00-0026	EA	7" Height x 10" Width, Vinyl, Eyewash Sign (U-Line S-17343V)..... Note: Includes 4 mil flexible vinyl with adhesive backing	31.67	9.65
22 46		Security Plumbing Fixtures (22 40)		
22 46 13		Security Water Closets and Urinals (22 46)		
22 46 13 13		Security Water Closets (22 46 13)		
22 46 13 13-0001		Security Water Closets (22 46 13 13)		
22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)..... For Angled Toilet, Add For Offset Toilet, Add	2,442.06 27.77 216.44	277.66
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)..... For Angled Toilet, Add For Offset Toilet, Add	2,928.06 27.77 265.04	277.66

22 Plumbing**22 40 Plumbing Fixtures****22 46 Security Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 13-0004	EA		Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	2,970.64	277.66
			For Angled Toilet, Add	27.77	
			For Offset Toilet, Add	269.30	
22 46 13 13-0005	EA		Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	285.71	55.53
22 46 13 13-0006	EA		Penal-Ware® Blowout Jet Water Closet, Integral Seat, Back Supply, Floor Mount, Wall Outlet, Stainless Steel (Acorn LR1685-W-2FVBO TLT)	1,080.12	277.66
22 46 13 13-0007	EA		Ligature Resistant, Stainless Steel, Floor Mount, Wall Outlet, Siphon Jet Toilet - ADA (Whitehall BestCare® WH2142-ADA-T-EGE10)	2,317.53	277.66
22 46 13 16 Security Urinals (22 46 13)					
22 46 13 16-0001			Security Urinals (22 46 13 16)		
22 46 13 16-0002	EA		Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	2,853.44	249.90
22 46 13 16-0003	EA		Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,811.03	355.08
22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)					
22 46 13 19-0001			Security Combination Toilet - Lavatory (22 46 13 19)		
22 46 13 19-0002	EA		15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,356.36	344.30
			For Angled Toilet, Add	34.43	
			For Offset Toilet, Add	401.21	
			For 15" Mirror/Shelf Module, Add	894.30	
			For AC Duplex Outlet Option, Add	98.86	
			For Intercom Option, Add	143.86	
			For 15" Wide Light/Ventilation Module, Add	841.58	
22 46 13 19-0003	EA		18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,490.99	360.96
			For Angled Toilet, Add	36.10	
			For Offset Toilet, Add	413.00	
			For 18" Mirror/Shelf Module, Add	935.96	
			For AC Duplex Outlet Option, Add	102.19	
			For Intercom Option, Add	147.19	
			For 18" Wide Light/Ventilation Module, Add	866.58	
22 46 13 19-0004	EA		20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,594.79	377.62
			For Angled Toilet, Add	37.76	
			For Offset Toilet, Add	421.72	
			For 20" Mirror/Shelf Module, Add	987.62	
			For AC Duplex Outlet Option, Add	105.52	
			For Intercom Option, Add	150.52	
			For 20" Wide Light/Ventilation Module, Add	901.57	
22 46 13 19-0005	EA		26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,912.94	394.28
			For Angled Toilet, Add	39.43	
			For Offset Toilet, Add	451.87	
			For 26" Mirror/Shelf Module, Add	1,029.28	
			For AC Duplex Outlet Option, Add	108.86	
			For Intercom Option, Add	153.86	
			For 26" Wide Light/Ventilation Module, Add	931.57	
22 46 13 19-0006	EA		28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,819.69	410.94
			For Angled Toilet, Add	41.09	
			For Offset Toilet, Add	740.88	
			For 28" Mirror/Shelf Module, Add	1,065.94	
			For AC Duplex Outlet Option, Add	112.19	
			For Intercom Option, Add	157.19	
			For 28" Wide Light/Ventilation Module, Add	961.56	
22 46 16 Security Lavatories and Sinks (22 46)					
22 46 16 13 Security Lavatories (22 46 16)					
22 46 16 13-0001			Security Lavatories (22 46 16 13)		
22 46 16 13-0002	EA		20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650).....	1,757.55	194.37
			For Shelf, Add	93.31	
22 46 16 13-0003	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655).....	1,785.74	194.37
			For Shelf, Add	93.31	
22 46 16 13-0004	EA		13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,023.79	194.37
			For Shelf, Add	93.31	
22 46 16 13-0005	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656).....	1,785.74	194.37
			For Shelf, Add	93.31	
22 46 16 13-0006	EA		Penal-Ware® 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn M-1652-E530-1 Multi -Lav)	3,177.05	194.37
22 46 16 13-0007	EA		Ligature Resistant Corterra®, Wall, Bathroom Sink, With Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall BestCare® WH3775-WH3375L-SO)	2,637.72	277.66
22 46 16 13-0008	EA		Ligature Resistant Corterra®, Wall, Bathroom Sink, Without Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall WH3775-09)	2,267.73	277.66
22 46 16 13-0009	EA		Ligature Resistant Sensor Activated Spout with Electronic Valve, Single Temperature (Whitehall BestCare® WH3375L-SO)	990.40	39.98



Plumbing			22
Plumbing Fixtures			22 40
Security Plumbing Fixtures			22 46

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 16 Security Sinks (22 46 16)					
22 46 16 16-0001 Security Sinks (22 46 16 16)					
22 46 16 16-0002	EA		22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642).....	3,727.49	295.99
22 46 16 16-0003 Security Mop Sink (22 46 16 16)					
22 46 16 16-0004	EA		24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630).....	4,321.31	166.60
22 46 19 Security Showers (22 46)					
22 46 19 00-0001 Security Showers (22 46 19)					
22 46 19 00-0002	EA		30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	9,579.10	444.26
22 46 19 00-0003	EA		32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	9,919.74	444.26
22 46 19 00-0004	EA		36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	10,270.32	444.26
22 46 19 00-0005	EA		36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,015.31	444.26
22 46 19 00-0006	EA		Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741).....	668.91	148.27
22 46 19 00-0007	EA		Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743).....	473.42	77.75
22 46 19 00-0008	EA		Ligature Resistant ADA Compliant Flush-Mounted Stainless Steel Security Shower With Temperature/Pressure Mixing Valve, Dual Showerhead (Acorn MLR1748 LIG/RES SHWR).....	949.53	77.75
22 46 43 Security Plumbing Fixture Flushometers (22 46)					
22 46 43 00-0001	EA		Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM)	809.70	37.88
Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).					
22 46 43 00-0002	EA		Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM)	808.76	37.88
Note: Solenoid operated with module plug 24V (ESM).					
22 46 43 00-0003	EA		Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM)	781.25	37.88
Note: Solenoid operated with module plug 24V (ESM).					
22 46 56 Security Drinking Fountains (22 46)					
22 46 56 00-0001 Security Drinking Fountain (22 46 56)					
Note: Includes air control valve, bubbler with mouthguard and mounting bracket.					
22 46 56 00-0002	EA		Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	1,987.60	222.13
22 46 56 00-0003	EA		Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,001.20	222.13
22 47 Drinking Fountains and Water Coolers (22 47)					
22 47 13 Drinking Fountains (22 47 13)					
22 47 13 00-0001 Drinking Fountain Accessories (22 47 13)					
22 47 13 00-0002 Drinking Fountain Grab Bars (22 47 13 00-0001)					
Note: Includes satin finish and concealed mounting with snap flange.					
22 47 13 00-0003	EA		18" x 33", Wall And Floor Mounted, 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bar	346.09	23.00
For Peened Grip, Add				27.01	
22 47 13 00-0004	EA		18" x 33", Wall And Floor Mounted, 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar	373.09	23.00
For Peened Grip, Add				29.44	
22 47 13 00-0005 Indoor Drinking Fountains (22 47 13)					
22 47 13 00-0006 Face Mounted Indoor Drinking Fountain (22 47 13 00-0005)					
22 47 13 00-0007	EA		Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,494.27	180.48
22 47 13 00-0008	EA		Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,679.71	194.37
22 47 13 00-0009	EA		Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,326.43	180.48
22 47 13 00-0010	EA		Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	3,979.41	194.37
22 47 13 00-0011	EA		Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,630.68	180.48
22 47 13 00-0012	EA		Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,964.66	194.37
22 47 13 00-0013	EA		Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,860.90	180.48
22 47 13 00-0014	EA		Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,275.84	194.37
22 47 13 00-0015 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0005)					
22 47 13 00-0016	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,672.88	194.37
22 47 13 00-0017	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	2,637.20	194.37

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0018	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	3,340.38	249.90
22 47 13 00-0019	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRN8WSK).....	4,279.28	249.90
22 47 13 00-0020	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK).....	3,663.77	249.90
22 47 13 00-0021	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP).....	3,324.57	249.90
22 47 13 00-0022	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201).....	1,600.02	194.37
22 47 13 00-0023	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700).....	2,648.85	194.37
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,787.18	194.37
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	3,655.29	194.37
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,494.08	194.37
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	3,347.53	194.37
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK).....	3,039.78	194.37
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK).....	2,907.89	194.37
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK).....	2,761.34	194.37
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZ08WSSK).....	2,761.34	194.37
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZ08WSSK).....	2,629.45	194.37
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK).....	2,629.45	194.37
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK).....	2,570.83	194.37
22 47 13 00-0035	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRK).....	2,570.83	194.37
22 47 13 00-0036	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK).....	2,438.93	194.37
22 47 13 00-0037	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK).....	2,365.66	194.37
22 47 13 00-0038	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP).....	2,263.08	194.37
22 47 13 00-0039	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK).....	2,219.11	194.37
22 47 13 00-0040	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	2,072.56	194.37
22 47 13 00-0041	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	2,365.66	194.37
22 47 13 00-0042	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	2,072.56	194.37
22 47 13 00-0043	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	2,201.73	194.37
22 47 13 00-0044	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	2,204.46	194.37
22 47 13 00-0045	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM).....	1,829.61	138.83
22 47 13 00-0046	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,360.65	138.83
22 47 13 00-0047		Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0005)		
22 47 13 00-0048	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	2,283.34	208.24
22 47 13 00-0049	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	5,061.95	208.24
22 47 13 00-0050		Fully Recessed Indoor Drinking Fountain (22 47 13 00-0005)		
22 47 13 00-0051	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	2,442.74	222.13
22 47 13 00-0052	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	4,574.45	222.13
22 47 13 00-0053	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401).....	2,996.53	222.13
22 47 13 00-0054	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406).....	6,942.12	222.13
22 47 13 00-0055	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403).....	4,681.99	222.13
22 47 13 00-0056		Countertop Indoor Drinking Fountain (22 47 13 00-0005)		
22 47 13 00-0057	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	982.34	138.83
22 47 13 00-0058	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	942.21	138.83
22 47 13 00-0059	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	1,162.13	138.83
22 47 13 00-0060		Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0005)		
22 47 13 00-0061	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	815.40	138.83
22 47 13 00-0062	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	1,001.82	138.83



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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 47 13 00-0063 Multi-Station Indoor Drinking Fountain (22 47 13 00-0005)					
22 47 13 00-0064	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	4,759.04		222.13
22 47 13 00-0065	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	6,023.88		222.13
22 47 13 00-0066	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	4,532.54		222.13
22 47 13 00-0067	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	3,799.13		222.13
22 47 13 00-0068	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	4,823.25		222.13
22 47 13 00-0069	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	4,139.53		283.35
22 47 13 00-0070	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	5,709.61		222.13
22 47 13 00-0071	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,608.16		222.13
22 47 13 00-0072	EA	White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715).....	4,631.83		283.35
22 47 13 00-0073	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431).....	3,947.45		222.13
22 47 13 00-0074	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501).....	4,025.47		222.13
22 47 13 00-0075 Outdoor Drinking Fountains (22 47 13)					
22 47 13 00-0076 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0075)					
22 47 13 00-0077	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	2,113.41		222.13
22 47 13 00-0078	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEFB-FR).....	2,331.38		222.13
22 47 13 00-0079	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	2,236.74		222.13
22 47 13 00-0080	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	3,352.37		222.13
22 47 13 00-0081 Free Standing Outdoor Drinking Fountains (22 47 13 00-0075)					
22 47 13 00-0082	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	4,159.16		208.24
22 47 13 00-0083	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	5,898.58		208.24
22 47 13 00-0084	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	4,153.38		208.24
22 47 13 00-0085	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	5,787.48		208.24
22 47 13 00-0086	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	6,240.41		222.13
22 47 13 00-0087	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	6,356.56		222.13
22 47 13 00-0088	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	2,277.78		208.24
22 47 13 00-0089	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	4,032.97		208.24
22 47 13 00-0090	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	5,772.39		208.24
22 47 13 00-0091	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	6,809.70		222.13
22 47 13 00-0092	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	9,617.44		222.13
22 47 13 00-0093	EA	Hi-Lo Pedestal Style Drinking Fountain (Haws Model 3500).....	7,365.89		222.13
22 47 13 00-0094	EA	Pedestal Outdoor Drinking Fountain, Triple (Haws 3502).....	9,632.44		222.13
22 47 13 00-0095 Wall Mounted Outdoor Drinking Fountains (22 47 13 00-0075)					
22 47 13 00-0096	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105).....	2,240.65		208.24
22 47 13 00-0097	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L).....	2,686.34		208.24
22 47 13 00-0098	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109).....	2,490.43		208.24
22 47 13 00-0099	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075).....	2,681.66		208.24
22 47 13 00-0100	EA	Vitreous China Single Drinking Fountain (Haws 1201).....	2,186.89		208.24
22 47 13 00-0101 Multi-Station Outdoor Drinking Fountains (22 47 13 00-0075)					
22 47 13 00-0102	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119).....	3,905.08		222.13
22 47 13 00-0103	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L).....	4,867.19		222.13
22 47 13 00-0104	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085).....	5,724.79		222.13
22 47 13 00-0105	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408).....	4,629.02		222.13
22 47 16 Pressure Water Coolers (22 47)					
22 47 16 00-0001 Indoor Water Coolers (22 47 16)					
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	4,782.05		222.13
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	5,116.17		222.13
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	2,193.72		222.13
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	2,279.76		222.13
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	2,549.34		222.13

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,652.59	222.13
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,924.13	222.13
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	2,253.94	222.13
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,739.14	222.13
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,696.08	222.13
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	2,943.54	333.19
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,646.60	222.13
22 47 16 00-0017		Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,270.60	249.90
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,477.52	249.90
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	7,612.40	249.90
22 47 16 00-0021		Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	2,128.14	194.37
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	2,295.91	194.37
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	2,624.30	194.37
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,935.47	194.37
22 47 16 00-0026		Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	705.83	111.06
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	859.93	111.06
22 47 16 00-0029		Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,286.54	333.19
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	7,252.63	333.19
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,211.70	333.19
22 47 16 00-0033		Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034		Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,340.35	138.83
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,097.79	138.83
22 47 16 00-0037		Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	3,876.67	208.24
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,679.70	208.24
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler.....	539.88	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	120.61	
22 47 19		Water-Station Water Coolers (22 47)		
22 47 19 00-0001		Bottle Filler (22 47 19)		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	4,927.18	222.13
		For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	7,217.86	222.13
		For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,292.70	249.90
		For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,056.62	249.90
		For Stainless Steel Carrier, Add	205.00	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3) <i>For Stainless Steel Carrier, Add</i>	10,820.54 205.00	249.90
22 47 19 00-0007			Indoor Bottle Filling Station (22 47 19)		
22 47 19 00-0008	EA		Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8).....	3,781.52	222.13
22 47 19 00-0009	EA		Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR)	2,554.82	222.13
22 47 19 00-0010	EA		Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHB-SM-WF).....	2,030.76	222.13
22 47 19 00-0011	EA		Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB).....	1,849.66	222.13
22 47 23			Remote Water Coolers (22 47)		
22 47 23 00-0001			Remote Chillers (22 47 23)		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	1,351.61	74.97
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	2,076.65	83.30
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,766.00	97.18
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	2,282.76	111.06
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	3,581.17	166.60
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	3,882.79	180.48
22 47 26			Fixture Carriers (22 47)		
22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Bi-Level Carrier, Add</i>	613.54 33.74 372.88	42.21
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Bi-Level Carrier, Add</i>	715.33 33.74 372.88	42.21
22 50			Pool and Fountain Plumbing Systems (22)		
22 51			Swimming Pool Plumbing Systems (22 50)		
22 51 13			Swimming Pool Piping (22 51)		
22 51 13 00-0001			Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF		Swimming Pool Gutters, Stainless.....	288.36	24.99
22 51 13 00-0003			Pool Drains (22 51 13)		
22 51 13 00-0004			Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003) Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA		Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate <i>For Polished Bronze Top, Add</i> <i>For Chromium Plated Top, Add</i> <i>For Galvanized Top, Add</i> <i>For Vandal Proof Construction, Add</i>	2,238.64 769.60 805.00 276.40 57.20	69.97
22 51 13 00-0006			Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003) Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA		Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top <i>For Clamp Device, Add</i> <i>For Galvanized Top, Add</i> <i>For Polished Bronze Top, Add</i> <i>For Chromium Plated Top, Add</i> <i>For Hinge Grate, Add</i> <i>For Supplementary Strainer, Add</i> <i>For Threaded Outlet, Add</i> <i>For Vandal Proof Construction, Add</i> <i>For Ground Screw, Add</i>	684.78 13.80 38.10 133.50 146.90 28.60 7.00 9.50 17.10 18.30	69.97
22 51 13 00-0008			Pool Supply Fittings (22 51 13)		
22 51 13 00-0009			Cast Iron Pool Supply Fittings (22 51 13 00-0008) Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA		Cast Iron Pool Fitting For 2" Diameter Pipe..... <i>For Galvanized Head, Add</i> <i>For Vandal Proof Construction, Add</i> <i>For Grounding Screw, Add</i>	862.97 26.30 11.50 18.30	124.95

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Diameter Pipe <i>For Chromium Plated Head, Add</i> <i>For Galvanized Head, Add</i> <i>For Vandal Proof Construction, Add</i> <i>For Grounding Screw, Add</i>	862.97 11.50 26.30 11.50 18.30	124.95
22 51 16 Swimming Pool Pumps (22 51)				
22 51 16 00-0001		Variable Speed Pool Pumps (22 51 16)		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,918.98	472.03
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,199.25	472.03
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,575.43	472.03
22 51 16 00-0005		Electric Powered Portable Vacuum Cleaner Pump (22 51 16) Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	378.61	55.53
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	651.45	55.53
22 51 16 00-0008		Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,465.31	55.53
22 51 19 Swimming Pool Water Treatment Equipment (22 51)				
22 51 19 00-0001		Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	42,533.62	796.05
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	46,322.31	955.26
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	50,799.61	1,034.87
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	62,432.88	1,114.47
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	64,752.84	1,194.07
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	98,219.47	1,432.89
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	125,919.00	1,512.49
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	130,986.84	1,631.91
22 51 19 00-0010		Non-Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	22,797.78	1,034.87
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	24,294.93	1,114.47
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	26,471.07	1,194.07
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	35,006.31	1,432.89
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	40,590.69	1,512.49
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	43,328.95	1,631.91
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	42,914.61	1,711.51
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	55,703.28	1,751.31
22 51 19 00-0019		Swimming Pool Heaters (22 51 19) Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		Electric Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,361.17	222.13
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,873.70	238.79
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,415.15	277.66
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,733.70	333.19
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,311.40	466.47
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,238.74	666.38
22 51 19 00-0027		Gas Fired Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	6,348.27	1,088.38
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	7,209.97	1,243.87
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	8,147.60	1,399.35
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	9,364.98	1,710.32
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	9,639.35	1,804.57
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	11,290.89	2,209.04
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	17,868.13	2,548.89
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	20,736.75	2,803.78
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	23,396.00	3,058.67
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	30,034.03	3,610.93



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0038		Surge Tanks ^(22 51 19) Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	19,016.37	889.06
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	21,297.50	889.06
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	25,731.83	1,135.04
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	34,175.47	1,831.86
22 51 19 00-0043		Diatomite Type Filter System ^(22 51 19)		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	15,274.97	3,154.77
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	18,215.81	3,785.72
22 51 19 00-0046		Silver Recovery System, X-Ray Film Processing ^(22 51 19)		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,034.70	376.92
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	2,984.64	502.60
22 51 19 00-0049		Inline Water Filter ^(22 51 19) Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	269.99	111.06
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	488.01	166.60
22 51 19 00-0052		Horizontal High Rate Sand Filters ^(22 51 19) Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.	43,045.60	2,380.35
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.	26,241.72	2,380.35
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.	59,523.61	4,760.70
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.	47,063.11	4,760.70
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.	61,192.43	4,760.70
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.	48,981.14	4,760.70
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.	83,602.32	7,141.04
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.	65,067.32	7,141.04
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.	86,005.42	7,141.04
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.	72,019.14	7,141.04
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.	107,907.86	9,521.39
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.	92,203.18	9,521.39
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.	131,195.21	11,901.74
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.	110,969.15	11,901.74
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.	134,884.41	11,901.74
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.	115,002.28	11,901.74
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.	155,777.85	14,282.09
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.	133,277.74	14,282.09
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	158,999.78	14,282.09
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	135,901.18	14,282.09
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	163,312.00	14,282.09
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	130,349.52	14,282.09
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	183,601.58	16,662.42
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	161,099.88	16,662.42
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	189,024.76	16,662.42
22 51 19 00-0078	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	165,914.97	16,662.42
22 51 19 00-0079	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	210,346.46	19,042.77
22 51 19 00-0080	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	187,485.88	19,042.77

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0081		Swimming Pool Chlorinators (22 51 19)		
22 51 19 00-0082	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,155.37	158.83
22 51 19 00-0083		Ultra-Violet Pool Treatment Lights (22 51 19)		
22 51 19 00-0084		Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)		
Note: Delta ELP Amalgam Series				
22 51 19 00-0085	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,554.82	346.30
22 51 19 00-0086	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,505.92	346.30
22 51 19 00-0087	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,321.17	346.30
22 51 19 00-0088	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,898.99	366.71
22 51 19 00-0089	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,302.99	366.71
22 51 19 00-0090	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,971.50	366.71
22 51 19 00-0091	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	27,081.83	658.54
22 51 19 00-0092	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	40,208.29	658.54
22 51 19 00-0093	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	44,151.88	658.54
22 51 19 00-0094	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	47,334.33	790.04
22 51 19 00-0095	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,847.07	790.04
22 51 19 00-0096	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	53,299.39	790.04
22 51 19 00-0097	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	55,950.53	790.04
22 51 19 00-0098	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	60,089.73	898.02
22 51 19 00-0099	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	64,729.24	898.02
22 51 19 00-0100	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	69,368.73	898.02
22 51 19 00-0101	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	75,002.40	898.02
22 51 19 00-0102		HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)		
Note: Delta EL Series				
22 51 19 00-0103	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,220.33	346.30
22 51 19 00-0104	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,148.20	346.30
22 51 19 00-0105	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	10,106.87	366.71
22 51 19 00-0106		In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)		
Note: Delta EM Series				
22 51 19 00-0107	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,080.58	346.30
22 51 19 00-0108	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,411.94	346.30
22 51 19 00-0109	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,554.76	658.54
22 51 19 00-0110	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,793.96	658.54
22 51 19 00-0111	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	61,120.25	790.04
22 51 19 00-0112	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	68,971.06	898.02
22 51 19 00-0113	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	81,302.09	1,162.08
22 51 19 00-0114	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	91,243.84	1,162.08
22 51 23		Swimming Pool Equipment Controls (22 51)		
22 51 23 00-0001		Pool Pump Variable Frequency Drive (22 51 23)		
Note: Pentair Acu Drive XS				
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,988.34	264.43
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,356.92	297.49
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,417.14	371.86
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,827.46	443.75
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	7,310.21	516.47
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	8,285.47	590.02
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,994.61	264.43
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,267.05	297.49
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,681.50	371.86
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	6,112.71	443.75
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	7,207.81	516.47
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	8,007.51	590.02
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,438.73	264.43
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,402.93	297.49
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	8,231.18	371.86



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

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,877.65	443.75
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	10,451.33	516.47
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,783.96	590.02
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,913.14	264.43
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	7,190.18	297.49
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,597.94	371.86
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	8,031.24	443.75
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	9,166.04	516.47
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	10,030.54	590.02
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,747.67	264.43
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,826.46	264.43
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,875.13	264.43
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	5,006.27	264.43
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	5,204.38	264.43
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,358.05	264.43
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,737.07	297.49
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,841.14	371.86
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	7,320.61	443.75
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,818.08	516.47
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,882.99	590.02
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	11,665.18	735.45
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,877.02	809.82
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	15,227.02	884.19
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	17,717.14	1,032.94
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	19,406.78	1,107.31
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,845.85	264.43
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,947.61	264.43
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	5,075.64	264.43
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	5,185.69	264.43
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	5,297.84	264.43
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,416.19	264.43
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,697.61	297.49
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	6,116.43	371.86
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,558.11	443.75
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,968.84	516.47
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,787.05	590.02
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,689.53	735.45
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,958.52	809.82
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	12,370.46	884.19
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	15,157.20	1,032.94
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	16,650.90	1,107.31
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	18,668.58	1,181.68

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	22,111.16	1,251.92
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	25,493.59	1,322.15
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	27,653.54	1,479.16
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	32,277.78	1,619.64
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	6,848.14	264.43
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	6,926.93	264.43
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	6,975.61	264.43
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	7,106.75	264.43
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	7,304.85	264.43
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	7,458.52	264.43
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	7,837.55	297.49
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	8,703.83	371.86
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	9,426.17	443.75
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	11,041.94	516.47
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	12,479.02	590.02
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	14,691.64	735.45
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	16,174.51	809.82
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	20,656.04	884.19
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	27,230.41	1,032.94
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	29,925.65	1,107.31
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	6,818.34	264.43
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	6,920.08	264.43
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	7,048.13	264.43
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	7,158.18	264.43
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	7,270.30	264.43
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	7,388.68	264.43
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	7,670.10	297.49
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	8,086.78	371.86
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	8,528.47	443.75
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	9,981.98	516.47
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	10,866.39	590.02
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	11,909.82	735.45
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	13,421.92	809.82
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	15,890.90	884.19
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	18,285.93	1,032.94
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	20,356.22	1,107.31
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	23,633.80	1,181.68
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	31,154.64	1,251.92
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	34,462.48	1,322.15
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB).....	43,288.96	1,479.16
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB).....	50,860.18	1,619.64
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136).....	466.63	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236).....	744.63	



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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	824.05		
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,399.90		
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,670.72		
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,663.81		
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,739.35		
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,897.71		
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	2,034.91		
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,384.03		
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,454.96		
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,605.97		
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,738.85		
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,274.63		
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,286.69		
22 51 23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23 00-0115)			
22 51 23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0116)			
22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,208.19		220.36
		For Bypass Panel, Add	965.80		
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,212.20		220.36
		For Bypass Panel, Add	965.80		
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,288.70		247.91
		For Bypass Panel, Add	965.80		
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,456.80		309.88
		For Bypass Panel, Add	965.80		
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,824.13		369.79
		For Bypass Panel, Add	965.80		
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,370.77		430.39
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,328.19		491.67
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,598.83		615.63
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,886.70		676.92
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	8,137.67		737.52
		For Bypass Panel, Add	1,385.18		
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,185.45		220.36
		For Bypass Panel, Add	965.80		
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,190.80		220.36
		For Bypass Panel, Add	965.80		
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,216.22		220.36
		For Bypass Panel, Add	965.80		
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,310.11		247.91
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,686.92		309.88
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,228.17		369.79
		For Bypass Panel, Add	1,139.37		
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	6,193.57		430.39
		For Bypass Panel, Add	1,385.18		
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,341.57		491.67
		For Bypass Panel, Add	1,385.18		
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,745.40		615.63
		For Bypass Panel, Add	1,877.17		
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,999.08		676.92
		For Bypass Panel, Add	2,580.55		

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0137	Eco-Flow-E Aquatic Variable Frequency Drive Options (22 51 23 00-0115)			
22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	586.31	103.29
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	586.31	103.29
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	616.69	68.86
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	688.11	30.98
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	711.04	34.43
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	728.64	37.88
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	760.95	41.32
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	775.85	44.76
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	1,011.52	48.20
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,054.52	51.64
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,101.55	55.09
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,147.24	58.53
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,187.56	61.98
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,630.60	65.42
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	212.01	34.43
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	226.93	37.88
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	253.89	41.32
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	333.01	44.76
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	373.35	48.20
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	386.92	51.64
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	400.50	55.09
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	424.78	58.53
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	536.02	61.98
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	550.93	65.42
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	213.35	34.43
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	234.96	37.88
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	257.90	41.32
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	271.47	44.76
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	283.71	48.20
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	354.81	51.64
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	369.73	55.09
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	388.66	58.53
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	402.23	61.98
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	484.04	65.42
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	527.05	68.86
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	86.25	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	117.06	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	145.20	
22 51 23 00-0176	Pool Flow Meters (22 51 23)			
22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	149.31	22.22
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	149.31	22.22
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	232.07	41.65
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	193.74	44.42
22 51 23 00-0181	Paddlewheel Flow Sensors (22 51 23)			
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)	1,033.71	79.54
Note: Includes 25' of cable (extendable to 200').				
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P0)	1,366.85	79.54
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P0)	1,366.85	79.54
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P0)	1,419.02	79.54
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P0)	1,475.21	79.54
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,581.58	79.54
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,581.58	79.54
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,647.80	79.54
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,712.02	79.54
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	1,079.87	79.54
Note: Includes 25' of cable (extendable to 200').				
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,419.02	79.54
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,419.02	79.54
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,475.21	79.54
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,527.39	79.54
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)	1,122.01	79.54
Note: Includes 25' of cable (extendable to 200').				



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0197 EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	341.22	
22 51 23 00-0198 EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	471.68	
22 51 23 00-0199 EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	580.07	
22 51 23 00-0200 EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	712.54	
22 51 23 00-0201 EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	943.33	
22 51 23 00-0202 EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	955.40	
22 51 23 00-0203 EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	342.97	22.03
22 51 23 00-0204 EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	469.40	22.03
22 51 23 00-0205 EA 24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	577.77	22.03
22 51 23 00-0206 EA 24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	730.29	22.03
22 51 23 00-0207 EA 24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	1,011.24	22.03

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

22 63 Gas Systems for Laboratory and Healthcare Facilities ^(22 63)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities ^(22 63)

22 63 13 53 Laboratory Gas Piping ^(22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping.

22 63 13 70 Healthcare Gas Piping ^(22 63 13)

22 63 13 70-0001 Zone Valve Assemblies ^(22 63 13 70)

22 63 13 70-0002 Single Zone Valve Assemblies ^(22 63 13 70-0001)

22 63 13 70-0003 EA 1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	496.61	88.19
22 63 13 70-0004 EA 3/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	530.46	95.62
22 63 13 70-0005 EA 1" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	564.34	101.73
22 63 13 70-0006 EA 1-1/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	634.71	111.06
22 63 13 70-0007 EA 1-1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	726.92	117.84
22 63 13 70-0008 EA 2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	901.84	127.17

22 63 13 70-0009 Double Zone Valve Assemblies ^(22 63 13 70-0001)

22 63 13 70-0010 EA 1/2" x 1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	710.11	126.39
22 63 13 70-0011 EA 1/2" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	743.96	133.83
22 63 13 70-0012 EA 1/2" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	784.99	139.83
22 63 13 70-0013 EA 1/2" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	867.25	149.27
22 63 13 70-0014 EA 1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	971.34	156.05
22 63 13 70-0015 EA 3/4" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	775.41	141.27
22 63 13 70-0016 EA 3/4" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	816.46	147.39
22 63 13 70-0017 EA 3/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	901.10	156.71
22 63 13 70-0018 EA 3/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	960.00	163.49
22 63 13 70-0019 EA 1" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	847.97	153.38
22 63 13 70-0020 EA 1" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	899.31	162.82
22 63 13 70-0021 EA 1" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	996.27	169.59
22 63 13 70-0022 EA 1-1/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	1,036.28	172.15
22 63 13 70-0023 EA 1-1/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	1,076.15	179.04
22 63 13 70-0024 EA 1-1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,180.25	185.81

22 63 13 70-0025 Triple Zone Valve Assemblies ^(22 63 13 70-0001)

22 63 13 70-0026 EA 1/2" x 1/2" x 1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	966.42	164.49
22 63 13 70-0027 EA 1/2" x 1/2" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	1,000.26	172.04
22 63 13 70-0028 EA 1/2" x 1/2" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	1,041.30	178.04
22 63 13 70-0029 EA 1/2" x 1/2" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,125.95	187.48
22 63 13 70-0030 EA 1/2" x 1/2" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,232.42	194.26
22 63 13 70-0031 EA 1/2" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	1,036.49	179.48
22 63 13 70-0032 EA 1/2" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,077.52	185.47
22 63 13 70-0033 EA 1/2" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,159.78	194.92
22 63 13 70-0034 EA 1/2" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,266.26	201.70
22 63 13 70-0035 EA 1/2" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,118.55	191.59
22 63 13 70-0036 EA 1/2" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,200.82	201.02
22 63 13 70-0037 EA 1/2" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,307.29	207.80
22 63 13 70-0038 EA 3/4" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,070.35	186.92
22 63 13 70-0039 EA 3/4" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,111.37	193.03
22 63 13 70-0040 EA 3/4" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,193.63	202.36
22 63 13 70-0041 EA 3/4" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,300.11	209.13
22 63 13 70-0042 EA 3/4" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,152.40	199.03
22 63 13 70-0043 EA 3/4" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,234.67	208.46
22 63 13 70-0044 EA 3/4" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,338.76	215.24
22 63 13 70-0045 EA 1" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101010)	1,131.58	205.13
22 63 13 70-0046 EA 1" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,211.46	214.47
22 63 13 70-0047 EA 1" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,382.17	221.36

22 63 13 70-0048 Medical Gas Copper Pipe And Fittings ^(22 63 13 70)

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 63 Gas Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0049	Medical Gas Copper Pipe, ASTM B819 (22 63 13 70-0048)			
22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4").....	9.76	3.86
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8").....	12.58	3.86
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2").....	13.65	3.86
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8").....	15.63	3.86
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4").....	21.46	3.86
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1").....	25.62	3.86
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4").....	30.95	3.86
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2").....	38.84	3.86
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2").....	55.86	3.86
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2").....	79.62	6.39
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3").....	99.67	6.39
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2").....	128.20	9.65
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4").....	177.51	9.65
22 63 13 70-0063	Medical Gas Copper Fittings (22 63 13 70-0048)			
22 63 13 70-0064	Medical Gas Copper 90 Degree Elbows (22 63 13 70-0063)			
22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P049).....	47.53	29.31
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P050).....	49.17	30.63
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P079).....	52.05	32.20
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P080).....	57.80	33.89
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P081).....	57.03	33.89
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P082).....	69.39	40.28
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P055).....	73.97	42.94
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P056).....	89.83	49.45
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P057).....	110.91	58.49
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P058).....	200.75	99.02
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA3).....	246.01	117.00
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA4).....	377.14	143.05
22 63 13 70-0077	Medical Gas Copper Tees (22 63 13 70-0063)			
22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P095).....	72.17	42.94
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P096).....	74.91	45.95
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P098).....	76.03	49.45
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R568).....	95.97	53.67
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P103).....	84.78	53.67
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P109).....	110.12	64.40
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P113).....	127.39	71.52
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P117).....	148.15	80.45
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R499).....	185.42	91.90
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMD9).....	321.31	160.90
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VME5).....	408.37	183.94
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG2).....	656.27	257.39
22 63 13 70-0090	Medical Gas Copper Couplings (22 63 13 70-0063)			
22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R491).....	39.59	25.69
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R495).....	41.54	26.78
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R489).....	42.86	27.98
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R493).....	47.15	29.31
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R490).....	47.74	30.63
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R492).....	57.54	35.70
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R501).....	64.33	37.87
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R509).....	73.77	42.94
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R516).....	89.08	49.45
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R615).....	163.43	85.75
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R690).....	200.77	99.02
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R692).....	268.23	120.61
22 63 13 70-0103	Medical Gas Copper Caps (22 63 13 70-0063)			
22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R498).....	25.43	16.05
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R521).....	26.17	16.05
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P121).....	24.87	16.05
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R511).....	27.93	16.89



Plumbing			22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities			22 60
Gas Systems for Laboratory and Healthcare Facilities			22 63

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0108 EA 3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P122).....	26.68	16.89
22 63 13 70-0109 EA 1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P123).....	33.85	20.14
22 63 13 70-0110 EA 1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P124).....	38.55	22.20
22 63 13 70-0111 EA 1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P125).....	44.67	24.72
22 63 13 70-0112 EA 2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P126).....	57.76	29.31
22 63 13 70-0113 EA 2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG6).....	90.98	32.20
22 63 13 70-0114 EA 3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG7).....	110.81	35.70
22 63 13 70-0115 EA 4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG8).....	161.68	40.28

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

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

22 66 53 00-0001	Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002	Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 66 53 00-0001)		
22 66 53 00-0003	Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		
22 66 53 00-0004	LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	14.46	6.33
	For Schedule 80, Add	2.56	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.19	
	For Work In Restricted Working Space, Add	2.86	
22 66 53 00-0005	LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	17.39	7.11
	For Schedule 80, Add	3.46	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.96	
	For Work In Restricted Working Space, Add	3.22	
22 66 53 00-0006	LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	27.54	10.33
	For Schedule 80, Add	6.25	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.34	
	For Work In Restricted Working Space, Add	4.66	
22 66 53 00-0007	LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	37.24	13.43
	For Schedule 80, Add	8.87	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	7.59	
	For Work In Restricted Working Space, Add	6.06	
22 66 53 00-0008	LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	60.35	19.77
	For Schedule 80, Add	15.98	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	13.67	
	For Work In Restricted Working Space, Add	8.89	
22 66 53 00-0009	Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	55.67	23.88
	For Work In Restricted Working Space, Add	10.75	
22 66 53 00-0011	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	71.90	31.54
	For Work In Restricted Working Space, Add	14.18	
22 66 53 00-0012	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	96.01	36.09
	For Work In Restricted Working Space, Add	16.25	
22 66 53 00-0013	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	138.23	47.76
	For Work In Restricted Working Space, Add	21.50	
22 66 53 00-0014	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	269.41	70.53
	For Work In Restricted Working Space, Add	31.73	
22 66 53 00-0015	Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	55.33	23.88
	For Work In Restricted Working Space, Add	10.75	
22 66 53 00-0017	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	71.00	31.54
	For Work In Restricted Working Space, Add	14.18	
22 66 53 00-0018	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	97.72	36.09
	For Work In Restricted Working Space, Add	16.25	
22 66 53 00-0019	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	121.03	47.76
	For Work In Restricted Working Space, Add	21.50	
22 66 53 00-0020	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	242.74	70.53
	For Work In Restricted Working Space, Add	31.73	
22 66 53 00-0021	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0022	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	101.24	51.09
	For Work In Restricted Working Space, Add	22.98	
22 66 53 00-0023	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	126.10	64.41
	For Work In Restricted Working Space, Add	28.97	
22 66 53 00-0024	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	164.83	70.53
	For Work In Restricted Working Space, Add	31.73	
22 66 53 00-0025	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	227.26	92.63
	For Work In Restricted Working Space, Add	41.65	
22 66 53 00-0026	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	398.00	148.16
	For Work In Restricted Working Space, Add	66.64	

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 66 53 00-0027	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)				
22 66 53 00-0028	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	126.06		64.41	
	For Work In Restricted Working Space, Add	28.97			
22 66 53 00-0029	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	160.70		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0030	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	157.04		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0031	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	217.86		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0032	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	221.41		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0033	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	371.83		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0034	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)				
22 66 53 00-0035	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	113.27		51.09	
	For Work In Restricted Working Space, Add	22.98			
22 66 53 00-0036	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	129.01		64.41	
	For Work In Restricted Working Space, Add	28.97			
22 66 53 00-0037	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	173.73		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0038	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	231.37		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0039	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	347.25		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0040	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)				
22 66 53 00-0041	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	107.99		51.09	
	For Work In Restricted Working Space, Add	22.98			
22 66 53 00-0042	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	132.35		64.41	
	For Work In Restricted Working Space, Add	28.97			
22 66 53 00-0043	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	168.55		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0044	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	230.35		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0045	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	454.47		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0046	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)				
22 66 53 00-0047	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	140.62		64.41	
	For Work In Restricted Working Space, Add	28.97			
22 66 53 00-0048	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	164.31		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0049	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	164.31		70.53	
	For Work In Restricted Working Space, Add	31.73			
22 66 53 00-0050	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	226.69		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0051	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	226.69		92.63	
	For Work In Restricted Working Space, Add	41.65			
22 66 53 00-0052	EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	405.83		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0053	EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	408.68		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0054	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	373.03		148.16	
	For Work In Restricted Working Space, Add	66.64			
22 66 53 00-0055	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)				
22 66 53 00-0056	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	134.36		63.86	
	For Work In Restricted Working Space, Add	28.72			
22 66 53 00-0057	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	166.99		80.53	
	For Work In Restricted Working Space, Add	36.22			
22 66 53 00-0058	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	224.80		88.19	
	For Work In Restricted Working Space, Add	39.67			
22 66 53 00-0059	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	312.17		115.73	
	For Work In Restricted Working Space, Add	52.06			
22 66 53 00-0060	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	553.36		185.14	
	For Work In Restricted Working Space, Add	83.30			
22 66 53 00-0061	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)				
22 66 53 00-0062	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	99.03		51.09	
	For Work In Restricted Working Space, Add	22.98			



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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	129.36 28.97	64.41
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	147.72 31.73	70.53
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	204.06 41.65	92.63
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	119.60 28.97	64.41
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	143.79 31.73	70.53
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	145.37 31.73	70.53
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	198.22 41.65	92.63
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	199.22 41.65	92.63
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)				
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	116.99 26.66	59.31
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	155.63 35.07	77.97
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	234.83 47.60	105.84
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	329.93 60.58	134.72
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)				
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	54.73 10.75	23.88
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	66.96 14.18	31.54
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	78.56 16.25	36.09
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	106.78 21.50	47.76
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	158.39 31.73	70.53
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)				
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	52.36 10.75	23.88
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	68.75 14.18	31.54
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	81.85 16.25	36.09
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	110.01 21.50	47.76
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)				
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	49.41 10.75	23.88
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	63.45 14.18	31.54
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	73.84 16.25	36.09
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	97.64 21.50	47.76
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	143.55 31.73	70.53
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)				
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)				
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	27.26 3.67	6.11
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	33.81 4.00	6.67
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	46.85 5.62	9.33
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	75.39 7.27	12.11
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	124.77 9.92	16.55

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0100		Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	86.31	27.21
		<i>For Work In Restricted Working Space, Add</i>	16.29	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	98.02	28.87
		<i>For Work In Restricted Working Space, Add</i>	17.29	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	132.07	32.76
		<i>For Work In Restricted Working Space, Add</i>	19.66	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	192.86	43.31
		<i>For Work In Restricted Working Space, Add</i>	25.99	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	443.73	59.97
		<i>For Work In Restricted Working Space, Add</i>	35.99	
22 66 53 00-0106		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	86.54	27.32
		<i>For Work In Restricted Working Space, Add</i>	16.36	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	97.58	28.54
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	131.84	32.65
		<i>For Work In Restricted Working Space, Add</i>	19.59	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	192.86	43.31
		<i>For Work In Restricted Working Space, Add</i>	25.99	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	443.71	59.97
		<i>For Work In Restricted Working Space, Add</i>	35.98	
22 66 53 00-0112		Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	87.42	27.32
		<i>For Work In Restricted Working Space, Add</i>	16.36	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	98.63	28.54
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	133.67	32.65
		<i>For Work In Restricted Working Space, Add</i>	19.59	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	192.86	43.31
		<i>For Work In Restricted Working Space, Add</i>	25.99	
22 66 53 00-0117		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	87.42	27.32
		<i>For Work In Restricted Working Space, Add</i>	16.36	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	98.63	28.54
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	133.67	32.65
		<i>For Work In Restricted Working Space, Add</i>	19.59	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	192.86	43.31
		<i>For Work In Restricted Working Space, Add</i>	25.99	
22 66 53 00-0122		Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	99.89	27.32
		<i>For Work In Restricted Working Space, Add</i>	16.36	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	116.56	28.54
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 66 53 00-0125		Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	138.98	40.87
		<i>For Work In Restricted Working Space, Add</i>	24.54	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	171.18	42.32
		<i>For Work In Restricted Working Space, Add</i>	25.39	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	160.82	42.87
		<i>For Work In Restricted Working Space, Add</i>	25.74	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	214.27	48.98
		<i>For Work In Restricted Working Space, Add</i>	29.39	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	347.38	64.98
		<i>For Work In Restricted Working Space, Add</i>	38.98	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	528.98	89.96
		<i>For Work In Restricted Working Space, Add</i>	53.98	
22 66 53 00-0132		Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	133.78	41.09
		<i>For Work In Restricted Working Space, Add</i>	24.66	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	137.11	42.76
		<i>For Work In Restricted Working Space, Add</i>	25.66	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	174.68	48.86
		<i>For Work In Restricted Working Space, Add</i>	29.32	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	268.00	64.98
		<i>For Work In Restricted Working Space, Add</i>	38.98	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	549.77	89.96
		<i>For Work In Restricted Working Space, Add</i>	53.98	



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

22

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)				
22 66 53 00-0139	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	136.00		42.21
	For Work In Restricted Working Space, Add	25.32		
22 66 53 00-0140	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	160.21		46.09
	For Work In Restricted Working Space, Add	27.66		
22 66 53 00-0141	EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	169.51		47.20
	For Work In Restricted Working Space, Add	28.32		
22 66 53 00-0142	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	217.30		57.20
	For Work In Restricted Working Space, Add	34.32		
22 66 53 00-0143	EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	226.90		57.76
	For Work In Restricted Working Space, Add	34.65		
22 66 53 00-0144	EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	237.85		59.42
	For Work In Restricted Working Space, Add	35.66		
22 66 53 00-0145	EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	408.43		74.41
	For Work In Restricted Working Space, Add	44.65		
22 66 53 00-0146	EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	438.86		76.07
	For Work In Restricted Working Space, Add	45.65		
22 66 53 00-0147	EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee.....	451.45		81.63
	For Work In Restricted Working Space, Add	48.98		
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)				
22 66 53 00-0149	EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	187.98		54.42
	For Work In Restricted Working Space, Add	32.66		
22 66 53 00-0150	EA 2" Glass Acid Resistant DWV Double Sanitary Tee	193.51		57.20
	For Work In Restricted Working Space, Add	34.31		
22 66 53 00-0151	EA 3" Glass Acid Resistant DWV Double Sanitary Tee	247.34		65.53
	For Work In Restricted Working Space, Add	39.32		
22 66 53 00-0152	EA 4" Glass Acid Resistant DWV Double Sanitary Tee	396.11		86.63
	For Work In Restricted Working Space, Add	51.97		
22 66 53 00-0153	EA 6" Glass Acid Resistant DWV Double Sanitary Tee	694.41		119.95
	For Work In Restricted Working Space, Add	71.98		
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)				
22 66 53 00-0155	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	191.29		56.08
	For Work In Restricted Working Space, Add	33.65		
22 66 53 00-0156	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	219.19		59.97
	For Work In Restricted Working Space, Add	35.99		
22 66 53 00-0157	EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	230.77		61.09
	For Work In Restricted Working Space, Add	36.65		
22 66 53 00-0158	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	329.31		70.53
	For Work In Restricted Working Space, Add	42.32		
22 66 53 00-0159	EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	327.02		72.19
	For Work In Restricted Working Space, Add	43.31		
22 66 53 00-0160	EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	350.49		76.07
	For Work In Restricted Working Space, Add	45.66		
22 66 53 00-0161	EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	460.34		88.85
	For Work In Restricted Working Space, Add	53.30		
22 66 53 00-0162	EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	499.19		92.74
	For Work In Restricted Working Space, Add	55.64		
22 66 53 00-0163	EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	564.77		103.29
	For Work In Restricted Working Space, Add	61.97		
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)				
22 66 53 00-0165	EA 1-1/2" Glass Acid Resistant DWV Tee.....	146.03		41.09
	For Work In Restricted Working Space, Add	24.66		
22 66 53 00-0166	EA 2" Glass Acid Resistant DWV Tee.....	149.34		42.76
	For Work In Restricted Working Space, Add	25.65		
22 66 53 00-0167	EA 3" Glass Acid Resistant DWV Tee.....	189.90		48.86
	For Work In Restricted Working Space, Add	29.32		
22 66 53 00-0168	EA 4" Glass Acid Resistant DWV Tee.....	291.86		64.98
	For Work In Restricted Working Space, Add	38.98		
22 66 53 00-0169	EA 6" Glass Acid Resistant DWV Tee.....	578.38		89.96
	For Work In Restricted Working Space, Add	53.98		
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)				
22 66 53 00-0171	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	148.22		42.21
	For Work In Restricted Working Space, Add	25.32		
22 66 53 00-0172	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	172.98		46.09
	For Work In Restricted Working Space, Add	27.66		
22 66 53 00-0173	EA 3" x 2" Glass Acid Resistant DWV Reducing Tee.....	177.04		47.20
	For Work In Restricted Working Space, Add	28.32		
22 66 53 00-0174	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	220.11		57.20
	For Work In Restricted Working Space, Add	34.32		
22 66 53 00-0175	EA 4" x 2" Glass Acid Resistant DWV Reducing Tee.....	225.58		57.76
	For Work In Restricted Working Space, Add	34.65		
22 66 53 00-0176	EA 4" x 3" Glass Acid Resistant DWV Reducing Tee.....	266.55		59.42
	For Work In Restricted Working Space, Add	35.66		

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	491.30	76.07
		<i>For Work In Restricted Working Space, Add</i>	45.64	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	512.80	81.63
		<i>For Work In Restricted Working Space, Add</i>	48.97	
22 66 53 00-0179		Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	167.01	41.09
		<i>For Work In Restricted Working Space, Add</i>	24.66	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	184.92	42.76
		<i>For Work In Restricted Working Space, Add</i>	25.65	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	234.75	48.86
		<i>For Work In Restricted Working Space, Add</i>	29.32	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	394.07	64.98
		<i>For Work In Restricted Working Space, Add</i>	38.98	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	578.38	89.96
		<i>For Work In Restricted Working Space, Add</i>	53.98	
22 66 53 00-0185		Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	136.41	41.09
		<i>For Work In Restricted Working Space, Add</i>	24.66	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	139.72	42.76
		<i>For Work In Restricted Working Space, Add</i>	25.65	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	185.17	48.86
		<i>For Work In Restricted Working Space, Add</i>	29.32	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	279.70	64.98
		<i>For Work In Restricted Working Space, Add</i>	38.98	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	541.74	89.96
		<i>For Work In Restricted Working Space, Add</i>	53.98	
22 66 53 00-0191		Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	138.60	42.21
		<i>For Work In Restricted Working Space, Add</i>	25.32	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	165.63	46.09
		<i>For Work In Restricted Working Space, Add</i>	27.66	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	170.13	47.20
		<i>For Work In Restricted Working Space, Add</i>	28.32	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	227.80	57.20
		<i>For Work In Restricted Working Space, Add</i>	34.32	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	229.95	57.76
		<i>For Work In Restricted Working Space, Add</i>	34.65	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	248.19	59.42
		<i>For Work In Restricted Working Space, Add</i>	35.66	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	397.03	74.41
		<i>For Work In Restricted Working Space, Add</i>	44.64	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	454.92	76.07
		<i>For Work In Restricted Working Space, Add</i>	45.64	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	493.92	81.63
		<i>For Work In Restricted Working Space, Add</i>	48.97	
22 66 53 00-0201		Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	214.37	54.42
		<i>For Work In Restricted Working Space, Add</i>	32.65	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	219.93	57.20
		<i>For Work In Restricted Working Space, Add</i>	34.32	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	288.32	65.53
		<i>For Work In Restricted Working Space, Add</i>	39.31	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	437.97	86.63
		<i>For Work In Restricted Working Space, Add</i>	51.97	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	717.07	119.95
		<i>For Work In Restricted Working Space, Add</i>	72.00	
22 66 53 00-0207		Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	217.67	56.08
		<i>For Work In Restricted Working Space, Add</i>	33.64	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	225.47	59.97
		<i>For Work In Restricted Working Space, Add</i>	35.98	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	256.37	61.09
		<i>For Work In Restricted Working Space, Add</i>	36.65	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	312.90	70.53
		<i>For Work In Restricted Working Space, Add</i>	42.33	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	329.13	72.19
		<i>For Work In Restricted Working Space, Add</i>	43.31	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	382.53	76.07
		<i>For Work In Restricted Working Space, Add</i>	45.64	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	576.73	88.85
		<i>For Work In Restricted Working Space, Add</i>	53.30	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	605.07	92.74
		<i>For Work In Restricted Working Space, Add</i>	55.64	



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

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	649.01 61.98	103.29
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)				
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	150.25 24.66	41.09
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	154.15 25.65	42.76
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	193.74 29.32	48.86
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	284.16 38.98	64.98
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	529.24 53.98	89.96
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)				
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	153.03 25.32	42.21
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	167.82 27.66	46.09
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	178.87 28.32	47.20
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	222.56 34.32	57.20
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	231.09 34.65	57.76
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	249.50 35.66	59.42
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	397.81 44.64	74.41
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	447.32 45.64	76.07
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	458.94 48.97	81.63
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)				
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	201.26 32.65	54.42
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	230.95 34.32	57.20
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	304.94 39.31	65.53
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	476.62 51.97	86.63
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	778.75 72.00	119.95
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)				
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	206.57 33.64	56.08
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	256.42 35.98	59.97
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	253.57 36.65	61.09
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	334.41 42.33	70.53
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	332.54 43.31	72.19
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	370.38 45.64	76.07
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	520.39 53.30	88.85
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	553.48 55.64	92.74
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	642.89 61.98	103.29
22 66 53 00-0249 Glass Acid Resistant DWV Partition Compact Crosses (22 66 53 00-0093)				
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross <i>For Work In Restricted Working Space, Add</i>	224.06 33.64	56.08
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross <i>For Work In Restricted Working Space, Add</i>	226.32 34.32	57.20
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross <i>For Work In Restricted Working Space, Add</i>	239.24 33.32	55.53

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0253	Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)			
22 66 53 00-0254	EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	212.83	41.09	
	For Work In Restricted Working Space, Add	24.66		
22 66 53 00-0255	EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	233.19	42.76	
	For Work In Restricted Working Space, Add	25.65		
22 66 53 00-0256	EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	268.15	48.86	
	For Work In Restricted Working Space, Add	29.32		
22 66 53 00-0257	EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	389.96	64.98	
	For Work In Restricted Working Space, Add	38.98		
22 66 53 00-0258	EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	715.65	89.96	
	For Work In Restricted Working Space, Add	53.98		
22 66 53 00-0259	Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)			
22 66 53 00-0260	EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	214.49	42.21	
	For Work In Restricted Working Space, Add	25.32		
22 66 53 00-0261	EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	243.80	46.09	
	For Work In Restricted Working Space, Add	27.66		
22 66 53 00-0262	EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	258.70	47.20	
	For Work In Restricted Working Space, Add	28.32		
22 66 53 00-0263	EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	301.25	57.20	
	For Work In Restricted Working Space, Add	34.32		
22 66 53 00-0264	EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	317.47	57.76	
	For Work In Restricted Working Space, Add	34.65		
22 66 53 00-0265	EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	346.72	59.42	
	For Work In Restricted Working Space, Add	35.66		
22 66 53 00-0266	EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	494.88	76.07	
	For Work In Restricted Working Space, Add	45.64		
22 66 53 00-0267	EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch).....	561.24	81.63	
	For Work In Restricted Working Space, Add	48.97		
22 66 53 00-0268	Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)			
22 66 53 00-0269	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	83.51	27.77	
	For Eccentric Reducers Or Increases, Add	2.24		
	For Work In Restricted Working Space, Add	16.66		
22 66 53 00-0270	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	101.50	29.99	
	For Eccentric Reducers Or Increases, Add	3.32		
	For Work In Restricted Working Space, Add	17.99		
22 66 53 00-0271	EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	107.60	30.54	
	For Eccentric Reducers Or Increases, Add	3.72		
	For Work In Restricted Working Space, Add	18.33		
22 66 53 00-0272	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	136.04	35.54	
	For Eccentric Reducers Or Increases, Add	5.20		
	For Work In Restricted Working Space, Add	21.32		
22 66 53 00-0273	EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	141.18	36.09	
	For Eccentric Reducers Or Increases, Add	5.52		
	For Work In Restricted Working Space, Add	21.66		
22 66 53 00-0274	EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	150.10	37.77	
	For Eccentric Reducers Or Increases, Add	5.97		
	For Work In Restricted Working Space, Add	22.66		
22 66 53 00-0275	EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	276.60	43.87	
	For Eccentric Reducers Or Increases, Add	15.11		
	For Work In Restricted Working Space, Add	26.32		
22 66 53 00-0276	EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	289.69	44.42	
	For Eccentric Reducers Or Increases, Add	16.07		
	For Work In Restricted Working Space, Add	26.66		
22 66 53 00-0277	EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	306.74	46.09	
	For Eccentric Reducers Or Increases, Add	17.16		
	For Work In Restricted Working Space, Add	27.65		
22 66 53 00-0278	EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser.....	324.06	51.64	
	For Eccentric Reducers Or Increases, Add	17.66		
	For Work In Restricted Working Space, Add	30.99		
22 66 53 00-0279	Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)			
22 66 53 00-0280	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	180.64	41.09	
	For Work In Restricted Working Space, Add	24.66		
22 66 53 00-0281	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	192.22	42.21	
	For Work In Restricted Working Space, Add	25.32		
22 66 53 00-0282	EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	213.00	42.76	
	For Work In Restricted Working Space, Add	25.66		
22 66 53 00-0283	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	193.41	41.09	
	For Work In Restricted Working Space, Add	24.66		
22 66 53 00-0284	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	208.48	42.21	
	For Work In Restricted Working Space, Add	25.32		
22 66 53 00-0285	EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	231.36	42.76	
	For Work In Restricted Working Space, Add	25.66		
22 66 53 00-0286	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	196.90	41.09	
	For Work In Restricted Working Space, Add	24.66		
22 66 53 00-0287	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	208.48	42.21	
	For Work In Restricted Working Space, Add	25.32		



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

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	231.36 25.66	42.76
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)				
22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	236.60 24.66	41.09
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	291.63 25.32	42.21
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	299.73 25.66	42.76
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	257.85 24.66	41.09
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	272.48 25.32	42.21
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	303.84 25.66	42.76
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)				
22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	40.80 8.33	13.89
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	45.31 8.66	14.44
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	55.73 9.66	16.10
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	85.63 12.99	21.66
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	121.79 17.99	29.99
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)				
22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap <i>For Work In Restricted Working Space, Add</i>	482.27 32.65	54.42
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	51.99 8.33	13.89
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	56.62 8.33	13.89
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	84.21 16.66	27.77
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	153.50 17.33	28.87
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	155.25 17.33	28.87
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	172.74 17.33	28.87
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	144.06 17.33	28.87
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093)				
Note: Includes teflon spacer.				
22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	146.84 24.59	40.98
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	153.37 25.79	42.98
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	205.52 29.39	48.98
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	290.14 39.02	65.09
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093)				
Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.				
22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	21.95	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	27.69	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	37.01	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	62.37	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	145.29	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093)				
Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.				
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	28.30	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	35.41	

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

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0325	EA	3"	Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	60.13	
22 66 53 00-0326	EA	4"	Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	89.62	
22 66 53 00-0327	EA	6"	Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	218.52	
22 66 53 00-0328			Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)		
22 66 53 00-0330	LF	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	106.31	9.89
22 66 53 00-0331	LF	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	149.55	12.33
22 66 53 00-0332	LF	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	203.35	14.22
22 66 53 00-0333	LF	6"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	334.78	20.77
22 66 53 00-0334	LF	8"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	589.50	27.65
22 66 53 00-0335	LF	10"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,041.07	34.88
22 66 53 00-0336	LF	12"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,854.83	46.98
22 66 53 00-0337	LF	15"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	3,300.60	53.86
22 66 53 00-0338			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)		
22 66 53 00-0339			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0338)		
22 66 53 00-0340	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	427.40	84.19
22 66 53 00-0341	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	557.73	92.63
22 66 53 00-0342	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	903.68	110.84
22 66 53 00-0343	EA	6"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,351.65	137.21
22 66 53 00-0344	EA	8"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	3,093.44	222.23
22 66 53 00-0345			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0338)		
22 66 53 00-0346	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	250.84	84.19
22 66 53 00-0347	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	325.78	92.63
22 66 53 00-0348	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	408.61	110.84
22 66 53 00-0349	EA	6"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,078.15	137.21
22 66 53 00-0350	EA	8"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,434.62	222.23
22 66 53 00-0351	EA	10"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,691.44	276.87
22 66 53 00-0352	EA	12"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	5,413.58	332.95
22 66 53 00-0353			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0354	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	250.84	84.19
22 66 53 00-0355	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	325.78	92.63
22 66 53 00-0356	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	408.61	110.84
22 66 53 00-0357	EA	6"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	794.27	137.21
22 66 53 00-0358	EA	8"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,067.65	222.23
22 66 53 00-0359	EA	10"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,016.86	276.87
22 66 53 00-0360	EA	12"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	4,271.64	332.95
22 66 53 00-0361			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)		
22 66 53 00-0362	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	250.84	84.19
22 66 53 00-0363	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	325.78	92.63
22 66 53 00-0364	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	408.34	110.73
22 66 53 00-0365			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0338)		
22 66 53 00-0366	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	340.85	84.19
22 66 53 00-0367	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	599.28	92.63
22 66 53 00-0368	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	671.72	110.84
22 66 53 00-0369			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0370	EA	2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	355.07	125.95
22 66 53 00-0371	EA	3"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	444.74	139.61
22 66 53 00-0372	EA	4"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	616.94	166.71
22 66 53 00-0373	EA	6"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,036.17	206.19
22 66 53 00-0374	EA	8"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,134.79	333.62
22 66 53 00-0375	EA	10"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	4,444.78	416.59
22 66 53 00-0376			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0377	EA	2" x 1-1/2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	333.37	120.73
22 66 53 00-0378	EA	3" x 1-1/2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	388.23	129.61
22 66 53 00-0379	EA	3" x 2"	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	433.09	134.16



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	495.63	148.16
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	530.40	152.82
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	582.07	157.38
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	735.47	178.43
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	814.50	183.02
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	910.19	191.44
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0386)		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	403.46	125.95
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	485.73	139.28
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	661.90	166.71
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0390)		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	381.80	120.73
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	475.58	134.83
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	572.60	153.27
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	613.93	157.82
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0395)		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	351.83	126.17
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	482.82	139.61
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	616.74	166.60
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,041.89	205.44
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	3,916.70	333.29
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0401)		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	361.02	120.73
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	388.18	129.61
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	410.04	134.94
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	457.55	148.16
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	475.27	153.05
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	568.92	157.82
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	773.31	178.64
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	914.90	183.02
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	955.20	191.44
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,310.71	268.87
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,493.66	277.76
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,044.57	291.98
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0414)		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	417.25	125.95
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	496.12	139.28
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	731.14	166.71
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,132.31	205.65
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0419)		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	347.18	120.73
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	402.03	129.61
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	444.42	134.83
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	481.78	148.16
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	555.29	153.27
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	627.72	157.71
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	818.24	178.64
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,015.38	183.13
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,111.46	191.76
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0429)		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	215.81	79.30
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	236.28	83.74
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	263.74	88.19
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	420.10	97.74
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	440.63	102.29
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	483.25	114.47
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	624.44	123.22
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	904.18	166.70
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	963.44	180.81

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

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0439	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseers (22 66 53 00-0338)		
22 66 53 00-0440	EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseer	575.39	185.14
22 66 53 00-0441	EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseer	755.42	185.14
22 66 53 00-0442	EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseer	771.57	185.14
22 66 53 00-0443	EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseer	884.65	255.29
22 66 53 00-0444	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0338)		
22 66 53 00-0445	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	631.66	84.19
22 66 53 00-0446	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	761.99	92.63
22 66 53 00-0447	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	927.91	110.84
22 66 53 00-0448	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,729.53	137.21
22 66 53 00-0449	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0338)		
22 66 53 00-0450	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	316.62	84.19
22 66 53 00-0451	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	398.48	92.63
22 66 53 00-0452	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	547.09	110.84
22 66 53 00-0453	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	710.60	137.21
22 66 53 00-0454	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,374.14	191.44
22 66 53 00-0455	Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0328)		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.			
22 66 53 00-0456	LB Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.73	
22 66 53 00-0457	LB Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	63.47	
22 66 53 00-0458	Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
Note: ASTM A518.			
22 66 53 00-0459	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0458)		
22 66 53 00-0460	LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	84.33	7.44
22 66 53 00-0461	LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	95.95	8.22
22 66 53 00-0462	LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	132.29	10.33
22 66 53 00-0463	LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	166.79	11.99
22 66 53 00-0464	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0458)		
22 66 53 00-0465	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0464)		
22 66 53 00-0466	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	313.48	58.97
22 66 53 00-0467	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	338.83	66.64
22 66 53 00-0468	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	463.30	73.53
22 66 53 00-0469	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	559.11	88.85
22 66 53 00-0470	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0464)		
22 66 53 00-0471	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	178.46	58.97
22 66 53 00-0472	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	213.18	65.97
22 66 53 00-0473	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	273.28	73.75
22 66 53 00-0474	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	357.31	88.19
22 66 53 00-0475	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	207.68	62.31
22 66 53 00-0476	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0477	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	178.46	58.97
22 66 53 00-0478	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	213.18	65.97
22 66 53 00-0479	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	273.28	73.75
22 66 53 00-0480	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	357.31	88.19
22 66 53 00-0481	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66 53 00-0464)		
22 66 53 00-0482	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	209.62	58.97
22 66 53 00-0483	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	261.64	65.97
22 66 53 00-0484	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	401.38	73.75
22 66 53 00-0485	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	450.78	88.19
22 66 53 00-0486	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0464)		



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	202.70	58.97
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	240.87	65.97
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	370.22	73.75
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	419.63	88.19
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends (22 66 53 00-0464)		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	306.15	88.74
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees (22 66 53 00-0464)		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	250.76	88.74
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	309.11	99.96
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	405.89	111.39
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	611.89	133.39
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees (22 66 53 00-0464)		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	289.62	96.19
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	352.79	103.74
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	375.60	107.39
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	402.64	118.50
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	442.35	121.84
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	479.05	125.50
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0464)		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	251.20	89.08
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	295.26	99.96
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	392.04	111.39
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	611.89	133.39
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0464)		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	279.98	96.74
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	342.39	103.62
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	358.78	107.74
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	403.18	118.84
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	443.36	122.50
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	469.13	125.83
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 66 53 00-0464)		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	375.17	118.61
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	477.04	133.50
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	609.16	147.72
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	792.48	177.59
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	413.41	125.61
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	462.58	133.06
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	549.84	140.39
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	606.96	155.49
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	729.55	163.38
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0464)		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	416.65	118.61
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	490.62	133.28
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	700.44	148.49
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	976.25	177.81
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	447.97	125.61
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	583.70	133.06
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	615.53	140.39
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	658.83	155.38
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	836.01	162.71
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	278.01	88.41
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	322.96	99.96
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	392.04	111.39
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	649.97	133.39

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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0542		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	307.02	96.30
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	342.83	103.96
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	372.63	107.74
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	503.58	118.84
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	516.06	122.50
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	576.45	125.83
22 66 53 00-0549		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	440.63	118.39
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	552.83	133.17
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	793.11	148.05
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	952.59	178.15
22 66 53 00-0554		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	479.13	125.61
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	573.30	132.94
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	598.22	140.39
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	665.75	155.38
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	836.01	162.71
22 66 53 00-0560		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0464)		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	208.61	62.97
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	234.92	66.64
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	275.81	77.75
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	325.37	73.86
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	344.76	77.52
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	364.15	81.19
22 66 53 00-0567		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0464)		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	191.99	51.86
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	222.95	58.64
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	262.22	66.42
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	474.38	80.86
22 66 53 00-0572		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0464)		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	85.77	29.55
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	101.39	32.98
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	110.67	36.87
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	142.30	44.09
22 66 53 00-0577		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	347.58	58.64
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	358.58	65.97
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	442.92	73.75
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	565.03	88.19
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	482.24	63.08
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	663.00	70.41
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	802.00	77.75
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	997.39	92.63
22 66 53 00-0586		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	643.89	66.97
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,014.65	74.08
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	671.19	66.64



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

22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,014.65	74.08
22 66 53 00-0591		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	598.49	66.64
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	703.07	74.08
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	691.96	66.64
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,516.64	74.08
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	903.87	74.08
22 66 53 00-0597		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	251.56	59.31
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	328.44	66.64
22 66 53 00-0600		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	128.96	44.42
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	234.90	48.20
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	173.31	55.53
22 66 53 00-0604		Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	240.21	63.19
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	262.61	66.64
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	292.41	70.30
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	313.60	77.52
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	292.46	70.41
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	308.34	74.08
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	332.99	81.19
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	376.27	77.75
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	464.26	92.63
22 66 53 00-0614		Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	83.09	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	96.94	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	103.86	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	114.25	
22 66 53 00-0619		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	615.65	29.66
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	233.40	14.77
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	434.20	14.77
22 66 53 00-0623		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,209.32	148.16
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	2,725.87	155.60
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,829.38	14.77
22 66 53 00-0627		Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) (22 66 53)		
22 66 53 00-0628		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe (22 66 53 00-0627) Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	13.53	4.66
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	17.22	5.55
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	28.01	8.00
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	35.76	8.66
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	57.53	10.93
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	126.52	14.54
22 66 53 00-0635		Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings (22 66 53 00-0627)		
22 66 53 00-0636		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends..... Note: 0.125	52.99	18.55
For Work In Restricted Working Space, Add			8.33	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.16	66.86	23.66
		<i>For Work In Restricted Working Space, Add</i>	10.66	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.215	100.96	31.76
		<i>For Work In Restricted Working Space, Add</i>	14.33	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.25	140.17	36.98
		<i>For Work In Restricted Working Space, Add</i>	16.66	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.325	291.22	48.09
		<i>For Work In Restricted Working Space, Add</i>	21.66	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.438	402.47	64.76
		<i>For Work In Restricted Working Space, Add</i>	29.15	
22 66 53 00-0643 Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends (22 66 53 00-0635)				
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	53.86 8.33	18.55
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	71.10 10.66	23.66
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	108.61 14.33	31.76
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	142.97 16.66	36.98
22 66 53 00-0648 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends (22 66 53 00-0635)				
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	52.55 8.33	18.55
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	65.72 10.66	23.66
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	103.15 14.33	31.76
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	118.31 16.66	36.98
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	255.54 21.66	48.09
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	361.56 29.15	64.76
22 66 53 00-0655 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends (22 66 53 00-0635)				
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	53.04 8.33	18.55
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	65.68 10.66	23.66
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	102.24 14.33	31.76
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	125.43 16.66	36.98
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	211.95 21.66	48.09
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	241.29 29.15	64.76
22 66 53 00-0662 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends (22 66 53 00-0635)				
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	278.37 21.49	47.76
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	215.02 15.99	35.54
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	134.17 12.50	27.77
22 66 53 00-0666 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees (22 66 53 00-0635)				
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	72.97 12.50	27.77
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	90.83 15.99	35.54
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	146.72 21.49	47.76
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	195.78 24.99	55.53
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	483.21 32.49	72.08
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	668.21 43.73	97.07



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0674 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	82.99	30.32
For Work In Restricted Working Space, Add	13.66	
22 66 53 00-0675 EA 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	88.58	32.87
For Work In Restricted Working Space, Add	14.83	
22 66 53 00-0676 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	86.88	32.87
For Work In Restricted Working Space, Add	14.83	
22 66 53 00-0677 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	126.82	41.09
For Work In Restricted Working Space, Add	18.49	
22 66 53 00-0678 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	135.61	43.65
For Work In Restricted Working Space, Add	19.66	
22 66 53 00-0679 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	173.81	48.86
For Work In Restricted Working Space, Add	21.99	
22 66 53 00-0680 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	184.41	52.87
For Work In Restricted Working Space, Add	23.82	
22 66 53 00-0681 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	362.50	66.53
For Work In Restricted Working Space, Add	29.99	
22 66 53 00-0682 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees.....	809.58	83.18
For Work In Restricted Working Space, Add	37.49	
22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0684 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	102.73	36.98
For Work In Restricted Working Space, Add	16.66	
22 66 53 00-0685 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	126.74	47.31
For Work In Restricted Working Space, Add	21.32	
22 66 53 00-0686 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	169.94	63.64
For Work In Restricted Working Space, Add	28.65	
22 66 53 00-0687 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees.....	210.40	73.97
For Work In Restricted Working Space, Add	33.32	
22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees (22 66 53 00-0635)		
22 66 53 00-0689 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	125.47	42.21
For Work In Restricted Working Space, Add	18.99	
22 66 53 00-0690 EA 3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	149.83	50.31
For Work In Restricted Working Space, Add	22.66	
22 66 53 00-0691 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	187.91	55.53
For Work In Restricted Working Space, Add	24.99	
22 66 53 00-0692 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	171.79	60.65
For Work In Restricted Working Space, Add	27.32	
22 66 53 00-0693 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	192.42	68.75
For Work In Restricted Working Space, Add	30.99	
22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0635)		
22 66 53 00-0695 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	70.20	21.10
For Work In Restricted Working Space, Add	9.50	
22 66 53 00-0696 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	78.46	25.10
For Work In Restricted Working Space, Add	11.33	
22 66 53 00-0697 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	123.05	27.77
For Work In Restricted Working Space, Add	12.50	
22 66 53 00-0698 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	134.99	30.32
For Work In Restricted Working Space, Add	13.66	
22 66 53 00-0699 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	149.24	34.43
For Work In Restricted Working Space, Add	15.49	
22 66 53 00-0700 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	199.93	39.98
For Work In Restricted Working Space, Add	17.99	
22 66 53 00-0701 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers.....	228.90	42.54
For Work In Restricted Working Space, Add	19.16	
22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0635)		
22 66 53 00-0703 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	52.65	21.10
For Work In Restricted Working Space, Add	9.50	
22 66 53 00-0704 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	59.97	25.10
For Work In Restricted Working Space, Add	11.33	
22 66 53 00-0705 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	65.85	27.77
For Work In Restricted Working Space, Add	12.50	
22 66 53 00-0706 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	99.26	30.32
For Work In Restricted Working Space, Add	13.66	
22 66 53 00-0707 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	106.60	34.43
For Work In Restricted Working Space, Add	15.49	
22 66 53 00-0708 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	160.80	39.98
For Work In Restricted Working Space, Add	17.99	
22 66 53 00-0709 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	160.02	42.54
For Work In Restricted Working Space, Add	19.16	
22 66 53 00-0710 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	425.91	50.87
For Work In Restricted Working Space, Add	22.93	

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

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	449.36 25.43	56.42
22 66 53 00-0712		Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0635)		
22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	90.83 12.50	27.77
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	121.92 15.99	35.54
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	196.18 21.49	47.76
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	304.68 24.99	55.53
22 66 53 00-0717		Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0635)		
22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	73.58 12.50	27.77
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	98.10 15.99	35.54
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	151.47 21.49	47.76
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	199.67 24.99	55.53
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	403.72 32.49	72.08
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	467.33 43.73	97.07
22 66 53 00-0724		Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0635)		
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	80.45 13.66	30.32
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	94.22 14.83	32.87
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	130.38 18.49	41.09
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	139.95 19.66	43.65
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	143.30 20.83	46.20
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	180.42 21.99	48.86
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	191.12 23.82	52.87
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	291.80 29.99	66.53
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	348.42 37.49	83.18
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	381.99 39.98	88.74
22 66 53 00-0735		Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes (22 66 53 00-0635)		
22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	115.45 16.66	36.98
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	134.42 21.32	47.31
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	210.01 28.65	63.64
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	372.27 33.32	73.97
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	598.64 43.31	96.19
22 66 53 00-0741		Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes (22 66 53 00-0635)		
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	158.35 18.99	42.21
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	200.25 24.99	55.53
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	334.68 30.99	68.75
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	489.32 38.32	85.08
22 66 53 00-0746		Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	83.34 12.50	27.77



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

22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0748 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	108.94 15.99	35.54
22 66 53 00-0749 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	160.44 21.49	47.76
22 66 53 00-0750 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	209.44 24.99	55.53
22 66 53 00-0751 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	449.22 32.49	72.08
22 66 53 00-0752 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	773.08 43.73	97.07
22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0754 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	80.22 13.66	30.32
22 66 53 00-0755 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	99.52 14.83	32.87
22 66 53 00-0756 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	135.52 18.49	41.09
22 66 53 00-0757 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	145.55 19.66	43.65
22 66 53 00-0758 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	184.12 21.99	48.86
22 66 53 00-0759 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	195.67 23.82	52.87
22 66 53 00-0760 EA 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	354.14 28.82	63.97
22 66 53 00-0761 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	367.96 29.99	66.53
22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0763 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	123.22 16.66	36.98
22 66 53 00-0764 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	181.05 21.32	47.31
22 66 53 00-0765 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	284.52 28.65	63.64
22 66 53 00-0766 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	469.23 33.32	73.97
22 66 53 00-0767 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	643.46 43.31	96.19
22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0769 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	158.36 18.99	42.21
22 66 53 00-0770 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	241.75 24.99	55.53
22 66 53 00-0771 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	289.50 27.32	60.65
22 66 53 00-0772 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	301.72 30.99	68.75
22 66 53 00-0773 EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	379.11 35.99	79.85
22 66 53 00-0774 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	423.48 38.32	85.08
22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug (22 66 53 00-0635)		
22 66 53 00-0776 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... For Work In Restricted Working Space, Add	78.96 12.50	27.77
22 66 53 00-0777 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... For Work In Restricted Working Space, Add	94.52 15.99	35.54
22 66 53 00-0778 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... For Work In Restricted Working Space, Add	158.04 21.49	47.76
22 66 53 00-0779 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... For Work In Restricted Working Space, Add	200.98 24.99	55.53
22 66 53 00-0780 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... For Work In Restricted Working Space, Add	426.10 32.49	72.08
22 66 53 00-0781 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	19.53 4.17	9.21
22 66 53 00-0782 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... For Work In Restricted Working Space, Add	23.94 5.33	11.77
22 66 53 00-0783 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... For Work In Restricted Working Space, Add	34.66 7.16	15.88
22 66 53 00-0784 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... For Work In Restricted Working Space, Add	39.85 8.33	18.44

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0785 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	64.28 10.83	23.99
22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug (22 66 53 00-0635)		
22 66 53 00-0787 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	44.08 8.33	18.55
22 66 53 00-0788 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	54.77 10.66	23.66
22 66 53 00-0789 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	83.25 14.33	31.76
22 66 53 00-0790 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	116.57 16.66	36.98
22 66 53 00-0791 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	177.78 21.66	48.09
22 66 53 00-0792 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	307.43 29.19	64.76
22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 66 53 00-0635)		
22 66 53 00-0794 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	47.47 8.33	18.55
22 66 53 00-0795 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	60.13 10.66	23.66
22 66 53 00-0796 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	79.22 14.33	31.76
22 66 53 00-0797 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	100.30 16.66	36.98
22 66 53 00-0798 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	143.15 21.66	48.09
22 66 53 00-0799 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	288.64 29.19	64.76
22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters (22 66 53 00-0635)		
22 66 53 00-0801 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters 22 66 53 00-0802 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters 22 66 53 00-0803 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters 22 66 53 00-0804 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters 22 66 53 00-0805 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	29.39 38.88 58.71 94.73 148.26	9.21 11.88 15.88 18.55 23.99
22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters (22 66 53 00-0635)		
22 66 53 00-0807 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters 22 66 53 00-0808 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters 22 66 53 00-0809 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters 22 66 53 00-0810 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters 22 66 53 00-0811 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	32.45 45.62 54.38 91.35 121.92	9.21 11.88 15.88 18.55 23.99
22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 66 53 00-0635)		
22 66 53 00-0813 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap 22 66 53 00-0814 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap 22 66 53 00-0815 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap..... 22 66 53 00-0816 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap 22 66 53 00-0817 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap..... 22 66 53 00-0818 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	29.21 36.10 55.56 92.35 117.93 183.60	9.21 11.88 15.88 18.55 23.99 32.43
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank 22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	586.79 1,075.85 1,330.47 1,705.36 2,196.24 3,015.11 3,468.78 4,519.08 5,118.64	226.16 313.60 452.30 603.07 723.68 904.60 1,130.76 1,356.90 1,628.28
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank 22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank 22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	986.14 1,708.15 2,777.36	226.16 313.60 452.30



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

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,659.54	603.07
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,636.27	723.68
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,168.74	904.60
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,612.91	1,130.76
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,263.00	1,356.90
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,912.47	1,628.28
22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)				
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	544.42	75.39
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	562.34	75.39
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	580.26	75.39
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	634.12	90.46
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 67 Processed Water Systems for Laboratory and Healthcare Facilities				
22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities (22 67)				
22 67 13 53 Laboratory Water Piping (22 67 13)				
22 67 13 53-0001		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings (22 67 13 53)		
22 67 13 53-0002		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe (22 67 13 53-0001)		
22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	16.02	3.22
For Work In Restricted Working Space, Add			1.43	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	20.20	4.00
For Work In Restricted Working Space, Add			1.79	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	26.90	4.22
For Work In Restricted Working Space, Add			1.90	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	44.85	4.66
For Work In Restricted Working Space, Add			2.08	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	60.94	5.55
For Work In Restricted Working Space, Add			2.50	
22 67 13 53-0008		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows (22 67 13 53-0001)		
22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	60.43	11.88
For Work In Restricted Working Space, Add			5.38	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	73.29	15.88
For Work In Restricted Working Space, Add			7.17	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	87.06	19.77
For Work In Restricted Working Space, Add			8.89	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	138.02	31.54
For Work In Restricted Working Space, Add			14.18	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	169.17	40.09
For Work In Restricted Working Space, Add			18.01	
22 67 13 53-0014		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows (22 67 13 53-0001)		
22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	60.43	11.99
For Work In Restricted Working Space, Add			5.38	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	73.29	15.88
For Work In Restricted Working Space, Add			7.17	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	87.06	19.77
For Work In Restricted Working Space, Add			8.89	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	139.05	31.54
For Work In Restricted Working Space, Add			14.18	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	169.17	40.09
For Work In Restricted Working Space, Add			18.01	
22 67 13 53-0020		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees (22 67 13 53-0001)		
22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	79.02	19.77
For Work In Restricted Working Space, Add			8.89	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	93.27	23.88
For Work In Restricted Working Space, Add			10.75	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	113.32	31.54
For Work In Restricted Working Space, Add			14.18	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	192.28	47.76
For Work In Restricted Working Space, Add			21.50	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	251.98 26.66	59.31
22 67 13 53-0026		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees (22 67 13 53-0001)		
22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	198.74 9.99	22.22
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	234.16 11.66	25.88
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	245.54 12.66	28.10
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	304.68 17.99	39.98
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	363.73 23.99	53.31
22 67 13 53-0032		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts (22 67 13 53-0001)		
22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	83.71 6.33	14.11
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	100.25 7.33	16.32
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	113.93 8.33	18.55
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	157.39 10.00	22.22
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	166.48 11.00	24.43
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	172.13 11.66	25.88
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	261.21 16.33	36.32
22 67 13 53-0040		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters (22 67 13 53-0001)		
22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	72.49 5.38	11.99
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	89.95 7.17	15.88
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	105.44 8.89	19.77
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	150.66 14.18	31.54
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	200.14 17.99	39.98
22 67 13 53-0046		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters (22 67 13 53-0001)		
22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	72.49 5.38	11.99
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	89.95 7.17	15.88
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	105.44 8.89	19.77
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	150.66 14.18	31.54
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	197.89 18.01	40.09
22 67 13 53-0052		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings (22 67 13 53-0001)		
22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... <i>For Work In Restricted Working Space, Add</i>	44.34 5.38	11.99
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... <i>For Work In Restricted Working Space, Add</i>	60.08 7.17	15.88
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... <i>For Work In Restricted Working Space, Add</i>	76.72 8.89	19.77
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... <i>For Work In Restricted Working Space, Add</i>	119.64 14.18	31.54
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... <i>For Work In Restricted Working Space, Add</i>	161.13 18.01	40.09
22 67 13 53-0058		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions (22 67 13 53-0001)		



Plumbing			22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities			22 60
Processed Water Systems for Laboratory and Healthcare Facilities			22 67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... <i>For Work In Restricted Working Space, Add</i>	210.56 8.89	19.77
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... <i>For Work In Restricted Working Space, Add</i>	228.26 10.75	23.88
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... <i>For Work In Restricted Working Space, Add</i>	262.09 14.18	31.54
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	461.11 21.50	47.76
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... <i>For Work In Restricted Working Space, Add</i>	647.18 26.66	59.31
22 67 13 53-0064 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps ^(22 67 13 53-0001)				
22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	54.93 5.45	12.16
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	66.40 7.17	15.88
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	76.72 8.89	19.77
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	120.79 14.18	31.54
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	161.13 18.01	40.09
22 67 13 53-0070 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges ^(22 67 13 53-0001)				
22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	98.55 8.89	19.99
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	113.38 10.75	23.66
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	137.79 14.18	31.87
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	208.36 21.50	48.20
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	247.39 26.66	59.31
22 67 13 53-0076 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings ^(22 67 13 53)				
22 67 13 53-0077 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ^(22 67 13 53-0076)				
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	14.43 1.43	3.22
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	18.43 1.79	4.00
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	23.89 1.90	4.22
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	30.15 2.08	4.66
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	41.24 2.50	5.55
22 67 13 53-0083 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows ^(22 67 13 53-0076)				
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	50.16 5.38	11.88
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	64.38 7.17	15.88
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	80.23 8.89	19.77
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	115.87 14.18	31.54
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	153.00 18.01	40.09
22 67 13 53-0089 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows ^(22 67 13 53-0076)				
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.79 5.38	11.99
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	64.57 7.17	15.88
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	80.42 8.89	19.77
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	118.49 14.18	31.54
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	153.00 18.01	40.09

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0095	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees ^(22 67 13 53-0076)				
22 67 13 53-0096	EA	1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	68.05 8.89	19.77
22 67 13 53-0097	EA	3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	81.19 10.75	23.88
22 67 13 53-0098	EA	1"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	100.68 14.18	31.54
22 67 13 53-0099	EA	1-1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	151.88 21.50	47.76
22 67 13 53-0100	EA	2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	195.32 26.66	59.31
22 67 13 53-0101	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees ^(22 67 13 53-0076)				
22 67 13 53-0102	EA	3/4" x 1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	80.55 9.99	22.22
22 67 13 53-0103	EA	1" x 1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	99.59 11.66	25.88
22 67 13 53-0104	EA	1" x 3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	102.93 12.66	28.10
22 67 13 53-0105	EA	1-1/2" x 1"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	147.33 17.99	39.98
22 67 13 53-0106	EA	2" x 1-1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	189.63 23.99	53.31
22 67 13 53-0107	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts ^(22 67 13 53-0076)				
22 67 13 53-0108	EA	3/4" x 1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	57.65 6.33	14.11
22 67 13 53-0109	EA	1" x 1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	65.29 7.33	16.32
22 67 13 53-0110	EA	1" x 3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	68.63 8.33	18.55
22 67 13 53-0111	EA	1-1/2" x 1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	89.93 10.00	22.22
22 67 13 53-0112	EA	1-1/2" x 3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	93.27 11.00	24.43
22 67 13 53-0113	EA	1-1/2" x 1"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	95.48 11.66	25.88
22 67 13 53-0114	EA	2" x 1-1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	133.15 16.33	36.32
22 67 13 53-0115	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters ^(22 67 13 53-0076)				
22 67 13 53-0116	EA	1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	50.16 5.38	11.99
22 67 13 53-0117	EA	3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	63.25 7.17	15.88
22 67 13 53-0118	EA	1"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	74.42 8.89	19.77
22 67 13 53-0119	EA	1-1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	101.62 14.18	31.54
22 67 13 53-0120	EA	2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	144.71 17.99	39.98
22 67 13 53-0121	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters ^(22 67 13 53-0076)				
22 67 13 53-0122	EA	1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	50.16 5.38	11.99
22 67 13 53-0123	EA	3/4"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	63.25 7.17	15.88
22 67 13 53-0124	EA	1"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	74.42 8.89	19.77
22 67 13 53-0125	EA	1-1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	101.62 14.18	31.54
22 67 13 53-0126	EA	2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	144.76 18.01	40.09
22 67 13 53-0127	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings ^(22 67 13 53-0076)				
22 67 13 53-0128	EA	1/2"	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	46.97 5.38	11.99



	Plumbing	22	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities		22 60	
Processed Water Systems for Laboratory and Healthcare Facilities		22 67	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0129 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	59.51 7.17	15.88
22 67 13 53-0130 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	70.30 8.89	19.77
22 67 13 53-0131 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	100.87 14.18	31.54
22 67 13 53-0132 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	130.14 18.01	40.09
22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions (22 67 13 53-0076)		
22 67 13 53-0134 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	158.96 8.89	
22 67 13 53-0135 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	183.91 10.75	23.88
22 67 13 53-0136 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	222.34 14.18	31.54
22 67 13 53-0137 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	365.94 21.50	47.76
22 67 13 53-0138 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	476.87 26.66	59.31
22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps (22 67 13 53-0076)		
22 67 13 53-0140 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	47.22 5.45	12.16
22 67 13 53-0141 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	59.51 7.17	15.88
22 67 13 53-0142 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	70.11 8.89	19.77
22 67 13 53-0143 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	101.24 14.18	31.54
22 67 13 53-0144 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	130.14 18.01	40.09
22 67 13 53-0145 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges (22 67 13 53-0076)		
22 67 13 53-0146 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	91.85 8.89	19.99
22 67 13 53-0147 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	105.56 10.75	23.66
22 67 13 53-0148 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	127.11 14.18	31.87
22 67 13 53-0149 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	182.62 21.50	48.20
22 67 13 53-0150 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	227.56 26.66	59.31

END OF SECTION 22

22	22	Plumbing
	22 60	Gas and Vacuum Systems for Laboratory and Healthcare Facilities
	22 67	Processed Water Systems for Laboratory and Healthcare Facilities



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Operation and Maintenance of HVAC Systems 23 01****Operation and Maintenance of Facility Fuel Systems 23 01 10****23**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems (23)**23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)****23 01 10 91 Facility Fuel Systems Restoration (23 01 10)****23 01 10 91-0001 Professional Certification For Hospital (23 01 10 91)**

23 01 10 91-0002 HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum 192.23

23 01 10 91-0003 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	557.26
23 01 10 91-0005	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	796.10
23 01 10 91-0006	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	836.33
23 01 10 91-0007	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	922.97
23 01 10 91-0008	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,671.87
23 01 10 91-0009	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	749.84
23 01 10 91-0010	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,078.38
23 01 10 91-0011	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,143.69
23 01 10 91-0012	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,505.61
23 01 10 91-0013	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,334.66
23 01 10 91-0014	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	892.89
23 01 10 91-0015	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,319.89
23 01 10 91-0016	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,037.55
23 01 10 91-0017	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,756.64
23 01 10 91-0018	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	8,945.76

23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)**23 01 20 91 HVAC Piping and Pumps Restoration (23 01 20)**

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve	30.15
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve	36.19
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve	42.22
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve	48.25
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve	60.31
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0007	EA	Lock Out Padlock.....	12.06
23 01 20 91-0008	EA	Lock Out Tags	5.14

23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010 EA Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit 385.91

23 01 20 91-0011 Pipe Freezing (23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location.....	689.41
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First	370.77
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location.....	833.15
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First	427.83
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location.....	1,142.15
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First	485.06
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location.....	1,302.39
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First.....	570.17
Note: Includes freezing on each side of valve or fitting.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location.....	1,899.89	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First.....	658.34	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location.....	3,888.34	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First.....	862.06	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location.....	5,172.87	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First.....	1,264.13	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location.....	7,131.22	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First.....	1,720.07	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location.....	9,175.90	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First.....	2,229.32	
		Note: Includes freezing on each side of valve or fitting.		
23 01 20 91-0030		Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)		
		Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.93	
		For >250 To 500, Deduct	-0.17	
		For >500 To 2,000, Deduct	-0.36	
		For >2,000, Deduct	-0.55	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.61	
		For >250 To 500, Deduct	-0.23	
		For >500 To 2,000, Deduct	-0.48	
		For >2,000, Deduct	-0.73	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.94	
		For >250 To 500, Deduct	-0.34	
		For >500 To 2,000, Deduct	-0.71	
		For >2,000, Deduct	-1.09	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.34	
		For >250 To 500, Deduct	-0.45	
		For >500 To 2,000, Deduct	-0.95	
		For >2,000, Deduct	-1.46	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	6.48	
		For >250 To 500, Deduct	-0.54	
		For >500 To 2,000, Deduct	-1.15	
		For >2,000, Deduct	-1.75	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	8.15	
		For >250 To 500, Deduct	-0.68	
		For >500 To 2,000, Deduct	-1.43	
		For >2,000, Deduct	-2.19	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	10.82	
		For >250 To 500, Deduct	-0.91	
		For >500 To 2,000, Deduct	-1.91	
		For >2,000, Deduct	-2.92	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	12.97	
		For >250 To 500, Deduct	-1.09	
		For >500 To 2,000, Deduct	-2.29	
		For >2,000, Deduct	-3.50	
23 01 20 91-0039		Shut Down Existing Piping System (23 01 20 91)		
23 01 20 91-0040	EA	Shut Down Existing Interior Piping System.....	253.83	
		Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.		
23 01 20 91-0041		Purge Liquid Systems (23 01 20 91)		
		Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System.....	190.65	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	238.31	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	340.14	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	407.59	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	509.49	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	662.34	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.33	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	397.01	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	567.01	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	679.39	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	849.24	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,104.01	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	0.55	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System.....	555.82	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	793.83	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	951.15	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,188.93	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,545.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0060	LF		>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.78	
23 01 20 91-0061	EA		Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	764.25	
23 01 20 91-0062	EA		>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,091.51	
23 01 20 91-0063	EA		>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,158.76	
23 01 20 91-0064	EA		>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,448.45	
23 01 20 91-0065	EA		>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,882.98	
23 01 20 91-0066	LF		>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.94	
23 01 20 91-0067	EA		Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,031.74	
23 01 20 91-0068	EA		>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,473.53	
23 01 20 91-0069	EA		>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,564.33	
23 01 20 91-0070	EA		>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,955.40	
23 01 20 91-0071	EA		>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,542.03	
23 01 20 91-0072	LF		>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.27	
23 01 20 91-0073	Special Cleaning Of Piping Systems (23 01 20 91)				
23 01 20 91-0074	Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0075	LF		Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.29	
			For >250 To 500, Deduct	-0.19	
			For >500 To 2,000, Deduct	-0.41	
			For >2,000, Deduct	-0.62	
23 01 20 91-0076	LF		>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.74	
			For >250 To 500, Deduct	-0.31	
			For >500 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-1.00	
23 01 20 91-0077	LF		>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.20	
			For >250 To 500, Deduct	-0.43	
			For >500 To 2,000, Deduct	-0.91	
			For >2,000, Deduct	-1.39	
23 01 20 91-0078	LF		>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.72	
			For >250 To 500, Deduct	-0.55	
			For >500 To 2,000, Deduct	-1.17	
			For >2,000, Deduct	-1.78	
23 01 20 91-0079	LF		>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	9.38	
			For >250 To 500, Deduct	-0.78	
			For >500 To 2,000, Deduct	-1.64	
			For >2,000, Deduct	-2.50	
23 01 20 91-0080	Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0081	LF		Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.37	
			For >250 To 500, Deduct	-0.19	
			For >500 To 2,000, Deduct	-0.41	
			For >2,000, Deduct	-0.62	
23 01 20 91-0082	LF		>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.84	
			For >250 To 500, Deduct	-0.31	
			For >500 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-1.00	
23 01 20 91-0083	LF		>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.34	
			For >250 To 500, Deduct	-0.43	
			For >500 To 2,000, Deduct	-0.91	
			For >2,000, Deduct	-1.39	
23 01 20 91-0084	LF		>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.91	
			For >250 To 500, Deduct	-0.55	
			For >500 To 2,000, Deduct	-1.17	
			For >2,000, Deduct	-1.78	
23 01 20 91-0085	LF		>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	9.64	
			For >250 To 500, Deduct	-0.78	
			For >500 To 2,000, Deduct	-1.64	
			For >2,000, Deduct	-2.50	
23 01 20 91-0086	Drewspers 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0087	LF		Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	2.39	
			For >250 To 500, Deduct	-0.19	
			For >500 To 2,000, Deduct	-0.41	
			For >2,000, Deduct	-0.62	
23 01 20 91-0088	LF		>1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	3.88	
			For >250 To 500, Deduct	-0.31	
			For >500 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-1.00	
23 01 20 91-0089	LF		>2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	5.39	
			For >250 To 500, Deduct	-0.43	
			For >500 To 2,000, Deduct	-0.91	
			For >2,000, Deduct	-1.39	
23 01 20 91-0090	LF		>3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	6.99	
			For >250 To 500, Deduct	-0.55	
			For >500 To 2,000, Deduct	-1.17	
			For >2,000, Deduct	-1.78	
23 01 20 91-0091	LF		>4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	9.74	
			For >250 To 500, Deduct	-0.78	
			For >500 To 2,000, Deduct	-1.64	
			For >2,000, Deduct	-2.50	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device (23 01 20 91)	
23 01 20 91-0093 EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....411.77
23 01 20 91-0094 EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....518.88
23 01 20 91-0095 EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....720.86
23 01 20 91-0096 EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....1,106.71
23 01 20 91-0097 EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....1,367.65
23 01 20 91-0098 EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....2,070.44

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)	
23 01 30 51-0002 LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork 4.11 Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.
	<i>For Exhaust Ductwork, Add</i> 1.03
23 01 30 51-0003 LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork 5.15 Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.
	<i>For Exhaust Ductwork, Add</i> 1.29
23 01 30 51-0004 LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork 6.91 Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.
	<i>For Exhaust Ductwork, Add</i> 1.73
23 01 30 51-0005 LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork 9.79 Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.
	<i>For Exhaust Ductwork, Add</i> 2.45
23 01 30 51-0006 SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork 0.59 Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.
23 01 30 51-0007 LF	Clean Supply/Return Shafts.....12.16
23 01 30 51-0008 EA	Clean Floor Transition.....9.79
23 01 30 51-0009 SF	Clean Duct Dampers.....13.82
23 01 30 51-0010 SF	Clean Duct Fire Dampers 27.64
23 01 30 51-0011 SF	Clean Louver 11.06
23 01 30 51-0012 EA	Clean Turning Vane Set.....33.17
23 01 30 51-0013 EA	Clean Grille/Diffuser/Register 33.17 Note: Includes removal and reinstallation.
23 01 30 51-0014 LF	Clean Linear Diffuser 8.29 Note: Includes removal and reinstallation.
23 01 30 51-0015 EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors 115.44 <i>For Stainless Steel, Add</i> 71.65
23 01 30 51-0016 EA	Clean Variable Air Volume (VAV) Unit.....99.50
23 01 30 51-0017 EA	Clean Fan Powered Induction Unit (PIU) Unit.....132.67
23 01 30 51-0018 EA	Clean (FCU) Fan Coil Unit.....132.67
23 01 30 51-0019 EA	Clean Packaged Terminal Air Conditioning Unit 132.67
23 01 30 51-0020 EA	Clean Supply Or Return Fan.....265.34
23 01 30 51-0021 EA	Clean Exhaust Fan 232.18
23 01 30 51-0022 EA	Clean Duct Coil 199.01
23 01 30 51-0023 SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum 6.63 Note: Excluding fan and coils.
23 01 30 51-0024 EA	Clean Air Handling Unit Fan 331.69
23 01 30 51-0025 EA	Clean Air Handling Unit Coil 530.70
23 01 30 51-0026 SF	Clean Equipment Surfaces, Rust Reform And Prime 3.63
23 01 30 51-0027 SF	Clean Interior Equipment Surfaces, Rust Reform And Prime 4.29
23 01 30 51-0028 SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms 0.78
23 01 30 51-0029 EA	Minimum Set-up Charge For Cleaning Of Ductwork.....956.89 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.
23 01 30 51-0030 SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning.....0.60

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)

23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)	
	Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.
23 01 30 61-0002 SF	Repair, Taping And Sealing Of Ductwork 2.20 Note: Clean, apply sealant and tape
23 01 30 61-0003 Temporary Duct Seal To Restrict Airflow (23 01 30 61)	
	Note: Includes inserting temporary seal in duct at access door, filling with air and removal after use. Excludes installing new access door in ductwork or reworking ductwork. See CSI section 23 01 30 61-0022 for rework ductwork, 23 33 33 00-0000 for access doors.
23 01 30 61-0004 EA	4" Diameter, Temporary Re-usable Inflatable Duct Plug 35.31 Note: Includes removal after use.

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Operation and Maintenance of HVAC Systems 23 01

Operation and Maintenance of HVAC Air Distribution 23 01 30

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 61-0005	EA	6" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	38.85	
23 01 30 61-0006	EA	8" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	44.14	
23 01 30 61-0007	EA	10" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	48.31	
23 01 30 61-0008	EA	12" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	53.05	
23 01 30 61-0009	EA	16" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	59.21	
23 01 30 61-0010	EA	20" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	65.58	
23 01 30 61-0011	EA	24" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	71.55	
23 01 30 61-0012	EA	28" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	75.48	
23 01 30 61-0013	EA	30" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	81.57	
23 01 30 61-0014	EA	33" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	86.35	
23 01 30 61-0015	EA	36" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	92.22	
23 01 30 61-0016	EA	39" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	102.72	
23 01 30 61-0017	EA	42" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	111.89	
23 01 30 61-0018	EA	45" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	122.86	
23 01 30 61-0019	EA	48" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	133.24	
23 01 30 61-0020	EA	54" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	166.95	
23 01 30 61-0021	EA	60" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	206.56	
23 01 30 61-0022		Rework Sheet Metal Ductwork (23 01 30 61) Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0023	LF	Up To 1 SF Cross Section, Rework Existing Ductwork.....	35.18	
23 01 30 61-0024	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork.....	68.60	
23 01 30 61-0025	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork.....	90.65	
23 01 30 61-0026	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork.....	113.52	
23 01 30 61-0027	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork.....	158.32	
23 01 30 61-0028	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork.....	184.71	
23 01 30 61-0029	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork.....	211.10	
23 01 30 61-0030	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork.....	237.48	
23 01 50		Operation and Maintenance of Central Heating Equipment (23 01)		
23 01 50 61		Central Heating Equipment Repair (23 01 50)		
23 01 50 61-0001		Boiler Repairs (23 01 50 61)		
23 01 50 61-0002		Set-up And Maintenance For Boiler Repairs (23 01 50 61-0001)		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,690.05	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,940.40	
		<i>For Burner Seals, Add</i> <i>Note: Used when burner must be removed from door for maintenance.</i>	669.01	
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance..... Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,586.73	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance..... Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,793.37	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance..... Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,586.73	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole.....	112.09	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole.....	336.25	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch.....	13.09	
23 01 50 61-0011		Boiler Tube Replacement (23 01 50 61-0001)		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube.....	269.00	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube.....	336.26	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube.....	470.75	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	11.04	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	12.88	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	14.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	21.37	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	25.11	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	32.28	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	33.62	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	50.43	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	67.25	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	84.07	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	100.88	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	117.69	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	100.88	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	134.50	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	168.13	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	201.76	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	235.37	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	269.00	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	413.82	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	3,124.18	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,191.52	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,670.98	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,826.44	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,375.31	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,959.62	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	9,545.88	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	7,550.92	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,898.91	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	152.53	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,290.35	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	11,231.23	1,183.92
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	16,243.23	1,465.78
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	19,179.33	1,775.75
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	22,652.54	1,911.08
23 01 50 61-0052 Video Inspection Of Boiler Tubing (23 01 50 61-0001)		
23 01 50 61-0053 EA Initial Set-up And Final Equipment Removal For Boiler Tubing Video Camera Inspection	520.20	
23 01 50 61-0054 LF Boiler Tubing Inspection	0.63	
23 01 50 61-0055 Boiler And Chiller Water Treatment (23 01 50 61)		
Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0056 LB Boil Out Boiler And System With Caustic Soda	1.79	
Note: Includes disposal after treatment.		
23 01 50 61-0057 LB Boil Out Boiler And System With Trisodium Phosphate.....	2.68	
Note: Includes disposal after treatment.		
23 01 50 61-0058 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	167.59	
23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)		
23 01 60 61 Central Cooling Equipment Repair (23 01 60)		
23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)		
23 01 60 61-0002 EA Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,696.88	
23 01 60 61-0003 EA Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,362.65	
23 01 60 61-0004 EA Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,023.54	
23 01 60 61-0005 EA Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,939.60	
23 01 60 61-0006 EA Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,549.48	
23 01 60 61-0007 EA Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	4,078.04	
23 01 60 61-0008 EA Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,544.54	
23 01 60 61-0009 EA Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,346.38	
23 01 60 61-0010 EA Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	6,099.62	
23 01 60 61-0011 EA Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,724.10	
23 01 60 61-0012 EA Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	1,015.32	
23 01 60 61-0013 EA Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	1,053.16	
23 01 60 61-0014 EA Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,125.04	
23 01 60 61-0015 EA Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,311.10	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Operation and Maintenance of HVAC Systems 23 01****Operation and Maintenance of Central Cooling Equipment 23 01 60****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 61-0016 EA Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,625.93	
23 01 60 61-0017 EA Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,200.76	
23 01 60 61-0018 EA Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,313.92	
23 01 60 61-0019 EA Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,483.68	
23 01 60 61-0020 EA Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	42.53	
23 01 60 61-0021 EA Replace 6' Polyvinyl Chloride (PVC) Splash Fill	25.25	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002 LB Recovery Of Refrigerant	12.76
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant	23.93
Note: Includes cleaning refrigerant gas prior to recharging.	
23 01 60 71-0004 LB Recharging Of Refrigerant	10.75
Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 00-0000 for refrigerants.	

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen (23 01 60 71)

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006 EA Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	130.45
23 01 60 71-0007 EA >100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	166.94
23 01 60 71-0008 EA >250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	210.13
23 01 60 71-0009 EA >500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	270.01
23 01 60 71-0010 EA >1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	358.11
23 01 60 71-0011 LF >2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.20
23 01 60 71-0012 EA Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	178.63
23 01 60 71-0013 EA >100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	228.76
23 01 60 71-0014 EA >250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	287.94
23 01 60 71-0015 EA >500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	370.52
23 01 60 71-0016 EA >1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	492.12
23 01 60 71-0017 LF >2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.27
23 01 60 71-0018 EA Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	227.06
23 01 60 71-0019 EA >100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	291.04
23 01 60 71-0020 EA >250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	366.78
23 01 60 71-0021 EA >500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	472.60
23 01 60 71-0022 EA >1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	630.22
23 01 60 71-0023 LF >2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.36
23 01 60 71-0024 EA Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	260.36
23 01 60 71-0025 EA >100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	337.24
23 01 60 71-0026 EA >250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	428.19
23 01 60 71-0027 EA >500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	556.50
23 01 60 71-0028 EA >1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	757.69
23 01 60 71-0029 LF >2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.41
23 01 60 71-0030 EA Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	309.41
23 01 60 71-0031 EA >100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	401.19
23 01 60 71-0032 EA >250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	556.70
23 01 60 71-0033 EA >500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	663.05
23 01 60 71-0034 EA >1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	904.69
23 01 60 71-0035 LF >2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.49
23 01 60 71-0036 EA Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	352.91
23 01 60 71-0037 EA >100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	457.91
23 01 60 71-0038 EA >250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	582.33
23 01 60 71-0039 EA >500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	758.40
23 01 60 71-0040 EA >1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,037.10
23 01 60 71-0041 LF >2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.57

23 05 Common Work Results for HVAC (23)**23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)	
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.	
23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)	
Note: NEMA premium efficiency, open drip proof, three phase AC motors.	
23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)	
23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	844.69
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	956.46
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,121.37
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	941.80
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,000.44
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,311.93
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,106.71
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,071.90
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,341.24
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,121.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,156.18	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,707.70	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,223.98	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,266.12	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,237.24	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,942.24	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,861.62	
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,682.49	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,220.75	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,253.73	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,490.53	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,155.22	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,191.87	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,707.18	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,706.74	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,007.24	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,729.60	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,450.66	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,884.91	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,920.60	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,251.37	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,341.15	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,219.26	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,766.68	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,968.24	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,369.51	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,690.16	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,324.57	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,681.87	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,232.43	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,884.30	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,075.29	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,826.54	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,410.08	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,961.60	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	20,243.25	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,284.70	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,450.48	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,807.25	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,599.24	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,371.08	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,919.37	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,841.54	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	24,637.11	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,940.40	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,545.06	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	32,385.90	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	987.61	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,088.39	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,295.44	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,119.54	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,130.53	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,225.81	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,172.67	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,359.57	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,295.44	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,079.66	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,507.98	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,418.20	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,349.01	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,259.23	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,044.85	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,290.38	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,308.70	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,409.04	
23 05 13 00-0083 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,577.61	
23 05 13 00-0084 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,487.83	
23 05 13 00-0085 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,460.34	
23 05 13 00-0086 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,878.11	



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

Common Motor Requirements for HVAC Equipment 23 05 13

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,564.78	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,529.97	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,907.42	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,689.38	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,737.02	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,376.49	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,079.66	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,738.85	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,757.61	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,407.64	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,319.69	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,932.12	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,821.74	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,601.87	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,489.14	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,888.14	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,558.33	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,987.96	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,267.43	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,315.07	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,972.34	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,568.36	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,643.48	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,020.41	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,616.44	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,695.22	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,420.29	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,069.88	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,754.73	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,985.51	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,921.90	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,568.27	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,691.82	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,938.31	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,767.90	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,046.76	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,215.86	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,098.59	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,179.99	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,992.23	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,750.71	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,470.28	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	35,781.15	
23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)				
Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.				
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,464.01	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,608.76	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,777.33	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,497.42	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,665.56	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,639.91	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,079.66	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,107.58	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,742.52	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,711.37	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,107.14	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,919.29	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,061.34	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,165.78	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,041.62	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,250.94	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,535.90	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,204.26	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,081.93	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,766.68	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,309.13	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,775.93	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,410.35	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,737.80	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,523.51	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,323.79	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,729.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,025.91	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,507.46	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,234.45	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,568.80	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,049.20	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,258.70	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,542.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0165 EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,925.13	
23 05 13 00-0166 EA 20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,736.75	
23 05 13 00-0167 EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,319.60	
23 05 13 00-0168 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,943.98	
23 05 13 00-0169 EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,326.41	
23 05 13 00-0170 EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,704.82	
23 05 13 00-0171 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,058.02	
23 05 13 00-0172 EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,023.55	
23 05 13 00-0173 EA 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,585.20	
23 05 13 00-0174 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,234.79	
23 05 13 00-0175 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,986.38	
23 05 13 00-0176 EA 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,092.74	
23 05 13 00-0177 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,839.89	
23 05 13 00-0178 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,963.00	
23 05 13 00-0179 EA 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,098.59	
23 05 13 00-0180 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,528.31	
23 05 13 00-0181 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,804.37	
23 05 13 00-0182 EA 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,996.85	
23 05 13 00-0183 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,976.26	
23 05 13 00-0184 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,537.20	
23 05 13 00-0185 EA 100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,621.58	
23 05 13 00-0186 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,284.43	
23 05 13 00-0187 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,188.54	
23 05 13 00-0188 EA 125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,581.18	
23 05 13 00-0189 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,344.81	
23 05 13 00-0190 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	32,974.07	
23 05 13 00-0191 EA 150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,161.93	
23 05 13 00-0192 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	30,863.26	
23 05 13 00-0193 EA 150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,177.37	
23 05 13 00-0194 EA 200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	36,900.69	
23 05 13 00-0195 EA 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,127.89	
23 05 13 00-0196 EA 200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	48,698.87	

23 05 13 00-0197**Premium Efficient, Explosion Proof Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,953.23	
23 05 13 00-0199 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,022.86	
23 05 13 00-0200 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,206.09	
23 05 13 00-0201 EA 3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,726.46	
23 05 13 00-0202 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,023.30	
23 05 13 00-0203 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,166.65	
23 05 13 00-0204 EA 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,252.77	
23 05 13 00-0205 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,757.09	
23 05 13 00-0206 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,563.30	
23 05 13 00-0207 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,622.80	
23 05 13 00-0208 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,678.21	
23 05 13 00-0209 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,655.70	
23 05 13 00-0210 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,253.46	
23 05 13 00-0211 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,939.09	
23 05 13 00-0212 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,407.63	
23 05 13 00-0213 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	28,514.25	
23 05 13 00-0214 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	37,268.98	
23 05 13 00-0215 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	42,524.02	

23 05 13 00-0216**Motor Mounting** (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217 EA 1/2 HP Motor Mounting	216.24	110.02
23 05 13 00-0218 EA 3/4 HP Motor Mounting	249.15	137.53
23 05 13 00-0219 EA 1 HP Motor Mounting	266.52	137.53
23 05 13 00-0220 EA 1-1/2 HP Motor Mounting	286.52	137.53
23 05 13 00-0221 EA 2 HP Motor Mounting	309.74	165.03
23 05 13 00-0222 EA 3 HP Motor Mounting	358.14	165.03
23 05 13 00-0223 EA 5 HP Motor Mounting	424.47	275.06
23 05 13 00-0224 EA 7-1/2 HP Motor Mounting	545.74	275.06
23 05 13 00-0225 EA 10 HP Motor Mounting	716.29	481.34
23 05 13 00-0226 EA 15 HP Motor Mounting	881.58	481.34
23 05 13 00-0227 EA 20 HP Motor Mounting	1,041.87	687.63
23 05 13 00-0228 EA 25 HP Motor Mounting	1,181.50	687.63
23 05 13 00-0229 EA 30 HP Motor Mounting	1,432.57	687.63
23 05 13 00-0230 EA 40 HP Motor Mounting	1,614.16	1,031.45
23 05 13 00-0231 EA 50 HP Motor Mounting	1,790.71	1,031.45
23 05 13 00-0232 EA 75 HP Motor Mounting	2,162.36	1,512.79
23 05 13 00-0233 EA 100 HP Motor Mounting	2,604.66	1,512.79
23 05 13 00-0234 EA 125 HP Motor Mounting	3,183.48	2,062.90
23 05 13 00-0235 EA 150 HP Motor Mounting	3,696.95	2,062.90
23 05 13 00-0236 EA 200 HP Motor Mounting	4,244.64	2,475.47

23 05 13 00-0237**Motor Couplings** (23 05 13)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 13 00-0238	EA		5 To 15 HP, MGD Coupling (MagnaDrive MGE-07)	5,350.79	73.34
23 05 13 00-0239	EA		>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11)	6,967.03	110.01
23 05 13 00-0240	EA		>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15)	12,142.03	146.68

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)**23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints** (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA		1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	234.27	97.26
			For 300 Lb. Rating, Add	9.92	
23 05 16 00-0004	EA		3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	262.67	109.68
			For 300 Lb. Rating, Add	10.86	
23 05 16 00-0005	EA		1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	308.03	125.72
			For 300 Lb. Rating, Add	14.16	
23 05 16 00-0006	EA		1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	348.34	140.33
			For 300 Lb. Rating, Add	17.00	
23 05 16 00-0007	EA		1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	377.15	150.83
			For 300 Lb. Rating, Add	18.88	
23 05 16 00-0008	EA		2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	434.17	177.49
			For 300 Lb. Rating, Add	19.82	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA		1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	582.51	97.23
			For 300 Lb. Rating, Add	115.43	
23 05 16 00-0011	EA		1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	638.13	116.68
			For 300 Lb. Rating, Add	122.98	
23 05 16 00-0012	EA		2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	677.22	148.13
			For 300 Lb. Rating, Add	123.00	
23 05 16 00-0013	EA		2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	730.50	161.13
			For 300 Lb. Rating, Add	132.12	
23 05 16 00-0014	EA		3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	807.49	188.91
			For 300 Lb. Rating, Add	142.77	
23 05 16 00-0015	EA		4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,012.85	316.70
			For 300 Lb. Rating, Add	154.00	
23 05 16 00-0016	EA		5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,350.73	346.38
			For 300 Lb. Rating, Add	229.61	
23 05 16 00-0017	EA		6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,269.35	384.87
			For 300 Lb. Rating, Add	196.64	
23 05 16 00-0018	EA		8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,630.42	491.77
			For 300 Lb. Rating, Add	254.88	
23 05 16 00-0019	EA		10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,067.14	598.68
			For 300 Lb. Rating, Add	329.70	
23 05 16 00-0020	EA		12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,697.00	453.50
			For 300 Lb. Rating, Add	447.20	
23 05 16 00-0021	EA		14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,413.25	855.26
			For 300 Lb. Rating, Add	586.05	
23 05 16 00-0022	EA		16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,362.59	940.78
			For 300 Lb. Rating, Add	796.66	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	637.47	133.35
			For 300 Lb. Rating, Add	92.72	
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	664.04	134.45
			For 300 Lb. Rating, Add	98.78	
23 05 16 00-0026	EA		2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	673.27	138.90
			For 300 Lb. Rating, Add	98.80	
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	727.74	151.46
			For 300 Lb. Rating, Add	106.12	
23 05 16 00-0028	EA		3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	816.23	178.13
			For 300 Lb. Rating, Add	114.90	
23 05 16 00-0029	EA		4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,203.44	354.71
			For 300 Lb. Rating, Add	123.69	
23 05 16 00-0030	EA		5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,460.00	362.10
			For 300 Lb. Rating, Add	184.42	
23 05 16 00-0031	EA		6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,432.98	400.90
			For 300 Lb. Rating, Add	157.94	
23 05 16 00-0032	EA		8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,733.72	458.10
			For 300 Lb. Rating, Add	204.72	
23 05 16 00-0033	EA		10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,179.53	561.26
			For 300 Lb. Rating, Add	264.81	
23 05 16 00-0034	EA		12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,797.40	680.35
			For 300 Lb. Rating, Add	359.19	
23 05 16 00-0035	EA		14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,341.56	692.76
			For 300 Lb. Rating, Add	488.93	
23 05 16 00-0036	EA		16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,390.86	865.94
			For 300 Lb. Rating, Add	664.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 16 00-0037	Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0038	Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints (23 05 16 00-0037)		
23 05 16 00-0039	EA 2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	847.43	148.13
23 05 16 00-0040	EA 2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	913.33	161.13
23 05 16 00-0041	EA 3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,005.05	188.91
23 05 16 00-0042	EA 4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,225.95	316.70
23 05 16 00-0043	EA 5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,668.46	346.38
23 05 16 00-0044	EA 6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,541.46	384.87
23 05 16 00-0045	EA 8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,983.13	491.77
23 05 16 00-0046	EA 10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,523.39	598.68
23 05 16 00-0047	EA 12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	3,315.85	454.04
23 05 16 00-0048	EA 14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	4,224.23	855.26
23 05 16 00-0049	EA 16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	5,465.02	940.78
23 05 16 00-0050	EA 18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	7,146.29	1,043.41
23 05 16 00-0051	EA 20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	8,326.33	1,175.97
23 05 16 00-0052	EA 24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	9,583.18	1,443.25
23 05 16 00-0053	EA 30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	12,471.68	2,351.95
23 05 16 00-0054	EA 36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	15,972.95	3,135.94
23 05 16 00-0055	Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0056	Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16 00-0055)		
23 05 16 00-0057	EA 2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	978.46	148.13
23 05 16 00-0058	EA 2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,054.06	161.13
23 05 16 00-0059	EA 3" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,157.13	188.91
23 05 16 00-0060	EA 4" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,389.99	316.70
23 05 16 00-0061	EA 5" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,913.03	346.38
23 05 16 00-0062	EA 6" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,750.92	384.87
23 05 16 00-0063	EA 8" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,254.63	491.77
23 05 16 00-0064	EA 10" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,874.59	598.68
23 05 16 00-0065	EA 12" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	3,792.22	454.04
23 05 16 00-0066	EA 14" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	4,848.49	855.26
23 05 16 00-0067	EA 16" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	6,313.62	940.78
23 05 16 00-0068	EA 18" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	8,302.16	1,043.41
23 05 16 00-0069	EA 20" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	9,682.88	1,175.97
23 05 16 00-0070	EA 24" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	11,122.30	1,443.25
23 05 16 00-0071	EA 30" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	14,357.56	2,351.95
23 05 16 00-0072	EA 36" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	18,357.69	3,135.94
23 05 16 00-0073	Neoprene Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0074	Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints (23 05 16 00-0073) Note: Cast iron ends.		
23 05 16 00-0075	EA 2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,289.92	148.13
23 05 16 00-0076	EA 2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,368.12	161.13
23 05 16 00-0077	EA 3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,417.86	188.91
23 05 16 00-0078	EA 4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,716.39	316.70
23 05 16 00-0079	EA 5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,043.35	346.38
23 05 16 00-0080	EA 6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,119.41	384.87
23 05 16 00-0081	EA 8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,554.37	491.77
23 05 16 00-0082	EA 10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,845.24	598.68
23 05 16 00-0083	EA 12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	3,158.53	453.82
23 05 16 00-0084	EA 14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	4,060.99	855.26
23 05 16 00-0085	EA 16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	5,241.92	940.78
23 05 16 00-0086	EA 18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	6,827.81	1,043.41
23 05 16 00-0087	EA 20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	7,990.83	1,175.97
23 05 16 00-0088	EA 24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	9,194.36	1,443.25
23 05 16 00-0089	EA 30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	11,966.86	2,351.95
23 05 16 00-0090	EA 36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	15,350.60	3,135.94
23 05 16 00-0091	Tube And Cover Expansion Joints (23 05 16) Note: Carbon steel split backup rings.		
23 05 16 00-0092	Flanged, 150 Lb., Tube And Cover Expansion Joints (23 05 16 00-0091)		
23 05 16 00-0093	Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints (23 05 16 00-0092)		
23 05 16 00-0094	EA 1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	474.14	83.34
23 05 16 00-0095	EA 1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	452.84	97.23



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0096	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	539.76	116.68
23 05 16 00-0097	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	627.95	148.13
23 05 16 00-0098	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	706.27	161.13
23 05 16 00-0099	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	797.85	205.13
23 05 16 00-0100	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,058.15	343.88
23 05 16 00-0101	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,176.63	390.94
23 05 16 00-0102	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,306.79	384.87
23 05 16 00-0103	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,690.60	437.48
23 05 16 00-0104	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,507.01	598.68
23 05 16 00-0105	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,169.99	726.97
23 05 16 00-0106	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,553.35	855.26
23 05 16 00-0107	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,967.71	940.78
23 05 16 00-0108	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,317.37	1,043.41
23 05 16 00-0109	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,184.09	1,175.97
23 05 16 00-0110	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,292.97	1,443.25
23 05 16 00-0111	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	9,015.35	2,351.95
23 05 16 00-0112	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,831.62	3,135.94
23 05 16 00-0113		Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints (23 05 16 00-0092)		
23 05 16 00-0114	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	449.54	83.34
23 05 16 00-0115	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	428.24	97.23
23 05 16 00-0116	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	515.16	116.68
23 05 16 00-0117	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	603.36	148.13
23 05 16 00-0118	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	681.68	161.13
23 05 16 00-0119	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	773.25	205.13
23 05 16 00-0120	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,021.25	343.88
23 05 16 00-0121	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,139.74	390.94
23 05 16 00-0122	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,269.90	384.87
23 05 16 00-0123	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,693.16	491.77
23 05 16 00-0124	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,371.73	598.68
23 05 16 00-0125	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,047.00	726.97
23 05 16 00-0126	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,418.06	855.26
23 05 16 00-0127	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,832.42	940.78
23 05 16 00-0128	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,169.79	1,043.41
23 05 16 00-0129	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,011.91	1,175.97
23 05 16 00-0130	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	6,083.89	1,443.25
23 05 16 00-0131	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,412.73	2,351.95
23 05 16 00-0132	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,487.27	3,135.94
23 05 16 00-0133		Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints (23 05 16 00-0092)		
23 05 16 00-0134	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	615.65	148.13
23 05 16 00-0135	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	764.03	205.13
23 05 16 00-0136	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,008.95	343.88
23 05 16 00-0137	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,165.36	384.87
23 05 16 00-0138	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,447.19	491.77
23 05 16 00-0139	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,793.70	598.68
23 05 16 00-0140	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,143.07	726.97
23 05 16 00-0141		Flanged, Tube And Cover Expansion Joints (Mercer 501) (23 05 16 00-0091)		
23 05 16 00-0142		Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE) (23 05 16 00-0141)		
23 05 16 00-0143	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	908.71	116.68
23 05 16 00-0144	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,009.20	148.13
23 05 16 00-0145	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,050.63	161.13
23 05 16 00-0146	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,191.40	205.13
23 05 16 00-0147	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,513.19	343.88
23 05 16 00-0148	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,668.57	390.94
23 05 16 00-0149	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,774.13	384.87
23 05 16 00-0150	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,369.57	491.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0151 EA 10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,925.16	598.68
23 05 16 00-0152 EA 12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,379.06	726.97
23 05 16 00-0153 EA 14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,873.11	855.26
23 05 16 00-0154 EA 16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,225.97	940.78
23 05 16 00-0155 EA 18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,624.83	1,043.41
23 05 16 00-0156 EA 20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,430.05	1,175.97
23 05 16 00-0157 EA 24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,661.92	1,443.25
23 05 16 00-0158 EA 30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,617.97	2,351.95
23 05 16 00-0159 EA 36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	11,938.48	3,135.94
23 05 16 00-0160 EA 42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,620.21	4,703.90
23 05 16 00-0161 EA 48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	18,529.10	5,879.88
23 05 16 00-0162 EA 60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	24,714.64	8,467.02
23 05 16 00-0163 Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) (23 05 16 00-0141)		
23 05 16 00-0164 EA 1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	859.52	116.68
23 05 16 00-0165 EA 2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	947.71	148.13
23 05 16 00-0166 EA 2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	989.14	161.13
23 05 16 00-0167 EA 3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,117.61	205.13
23 05 16 00-0168 EA 4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,427.10	343.88
23 05 16 00-0169 EA 5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,582.48	390.94
23 05 16 00-0170 EA 6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,675.74	384.87
23 05 16 00-0171 EA 8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,234.29	491.77
23 05 16 00-0172 EA 10" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,765.28	598.68
23 05 16 00-0173 EA 12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,194.58	726.97
23 05 16 00-0174 EA 14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,664.03	855.26
23 05 16 00-0175 EA 16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,004.60	940.78
23 05 16 00-0176 EA 18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,366.56	1,043.41
23 05 16 00-0177 EA 20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,134.89	1,175.97
23 05 16 00-0178 EA 24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,305.26	1,443.25
23 05 16 00-0179 EA 30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,113.74	2,351.95
23 05 16 00-0180 EA 36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,335.86	3,135.94
23 05 16 00-0181 Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) (23 05 16 00-0141)		
Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0182 EA 1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	908.71	116.68
23 05 16 00-0183 EA 2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,021.50	148.13
23 05 16 00-0184 EA 2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,050.63	161.13
23 05 16 00-0185 EA 3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,191.40	205.13
23 05 16 00-0186 EA 4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,513.19	343.88
23 05 16 00-0187 EA 5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,668.57	390.94
23 05 16 00-0188 EA 6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,786.43	384.87
23 05 16 00-0189 EA 8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,369.57	491.77
23 05 16 00-0190 EA 10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,925.16	598.68
23 05 16 00-0191 EA 12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,379.06	726.97
23 05 16 00-0192 EA 14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,873.11	855.26
23 05 16 00-0193 EA 16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,225.97	940.78
23 05 16 00-0194 EA 18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,624.83	1,043.41
23 05 16 00-0195 EA 20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,430.05	1,175.97
23 05 16 00-0196 EA 24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,661.92	1,443.25
23 05 16 00-0197 EA 30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,617.97	2,351.95
23 05 16 00-0198 EA 36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	11,938.48	3,135.94
23 05 16 00-0199 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) (23 05 16 00-0141)		
23 05 16 00-0200 EA 1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	945.61	116.68
23 05 16 00-0201 EA 2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,046.10	148.13
23 05 16 00-0202 EA 2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,087.52	161.13
23 05 16 00-0203 EA 3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,240.59	205.13
23 05 16 00-0204 EA 4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,574.68	343.88
23 05 16 00-0205 EA 5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,730.06	390.94
23 05 16 00-0206 EA 6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,847.92	384.87
23 05 16 00-0207 EA 8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,455.66	491.77
23 05 16 00-0208 EA 10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,035.84	598.68
23 05 16 00-0209 EA 12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,514.34	726.97
23 05 16 00-0210 EA 14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,008.39	855.26
23 05 16 00-0211 EA 16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,385.85	940.78
23 05 16 00-0212 EA 18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,784.71	1,043.41
23 05 16 00-0213 EA 20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,626.83	1,175.97
23 05 16 00-0214 EA 24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,920.18	1,443.25



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

Expansion Fittings and Loops for HVAC Piping 23 05 16

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0215	Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) (23 05 16 00-0141)			
Note: Kevlar reinforcement for high temperature.				
23 05 16 00-0216	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,179.28	116.68
23 05 16 00-0217	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,242.87	148.13
23 05 16 00-0218	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,345.79	161.13
23 05 16 00-0219	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,449.66	205.13
23 05 16 00-0220	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,992.83	343.88
23 05 16 00-0221	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,172.80	390.94
23 05 16 00-0222	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,241.47	384.87
23 05 16 00-0223	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,652.43	491.77
23 05 16 00-0224	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,146.53	598.68
23 05 16 00-0225	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,809.50	726.97
23 05 16 00-0226	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	4,500.32	855.26
23 05 16 00-0227	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,246.74	940.78
23 05 16 00-0228	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,830.07	1,043.41
23 05 16 00-0229	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	6,881.27	1,175.97
23 05 16 00-0230	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	8,974.02	1,443.25
23 05 16 00-0231	Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) (23 05 16 00-0091)			
23 05 16 00-0232	2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) (23 05 16 00-0231)			
23 05 16 00-0233	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	547.93	83.34
23 05 16 00-0234	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	621.65	89.46
23 05 16 00-0235	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	837.03	92.57
23 05 16 00-0236	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,075.43	101.12
23 05 16 00-0237	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,459.16	200.78
23 05 16 00-0238	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,965.71	257.25
23 05 16 00-0239	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,393.57	280.54
23 05 16 00-0240	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,662.15	267.26
23 05 16 00-0241	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,673.20	305.43
23 05 16 00-0242	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,760.43	363.27
23 05 16 00-0243	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	6,603.90	454.89
23 05 16 00-0244	3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) (23 05 16 00-0231)			
23 05 16 00-0245	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	609.42	83.34
23 05 16 00-0246	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	683.11	89.46
23 05 16 00-0247	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	935.41	92.57
23 05 16 00-0248	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,210.71	101.12
23 05 16 00-0249	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,606.74	200.78
23 05 16 00-0250	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,187.08	257.25
23 05 16 00-0251	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,664.14	280.54
23 05 16 00-0252	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,994.21	267.26
23 05 16 00-0253	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	4,128.24	305.43
23 05 16 00-0254	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	5,363.05	363.27
23 05 16 00-0255	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	7,452.49	454.89
23 05 16 00-0256	5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) (23 05 16 00-0231)			
23 05 16 00-0257	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	670.91	83.34
23 05 16 00-0258	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	855.32	89.46
23 05 16 00-0259	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,095.29	92.57
23 05 16 00-0260	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,456.68	101.12
23 05 16 00-0261	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,951.10	200.78
23 05 16 00-0262	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,519.14	257.25
23 05 16 00-0263	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,315.95	280.54
23 05 16 00-0264	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,547.64	267.26
23 05 16 00-0265	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	5,370.38	305.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0266 EA 10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	7,146.31	363.27
23 05 16 00-0267 EA 12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	8,940.60	454.89
23 05 16 00-0268 Mercer Rubber, Series 450 (23 05 16 00-0091)		
23 05 16 00-0269 Expansion Joints, 2 Arch (452) (23 05 16 00-0268)		
23 05 16 00-0270 EA 1-1/2" x 12" Expansion Joints, 2 Arch.....	673.92	89.46
23 05 16 00-0271 EA 2" x 12" Expansion Joints, 2 Arch.....	754.01	92.57
23 05 16 00-0272 EA 2-1/2" x 12" Expansion Joints, 2 Arch.....	835.61	101.12
23 05 16 00-0273 EA 3" x 12" Expansion Joints, 2 Arch.....	1,117.88	200.78
23 05 16 00-0274 EA 4" x 12" Expansion Joints, 2 Arch.....	1,280.08	257.25
23 05 16 00-0275 EA 6" x 12" Expansion Joints, 2 Arch.....	1,426.16	267.26
23 05 16 00-0276 EA 8" x 12" Expansion Joints, 2 Arch.....	1,600.92	305.43
23 05 16 00-0277 EA 10" x 14" Expansion Joints, 2 Arch.....	2,159.31	363.27
23 05 16 00-0278 EA 12" x 14" Expansion Joints, 2 Arch.....	2,539.94	455.21
23 05 16 00-0279 EA 14" x 14" Expansion Joints, 2 Arch.....	2,967.82	461.63
23 05 16 00-0280 EA 16" x 14" Expansion Joints, 2 Arch.....	3,580.24	575.69
23 05 16 00-0281 EA 18" x 14" Expansion Joints, 2 Arch.....	3,996.75	653.20
23 05 16 00-0282 EA 20" x 14" Expansion Joints, 2 Arch.....	4,529.46	735.09
23 05 16 00-0283 EA 24" x 16" Expansion Joints, 2 Arch.....	5,417.65	902.51
23 05 16 00-0284 Mercer Rubber, Series 502 And 701 (23 05 16 00-0091)		
23 05 16 00-0285 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) (23 05 16 00-0284)		
Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0286 EA 1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,080.89	116.97
23 05 16 00-0287 EA 2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,144.49	148.17
23 05 16 00-0288 EA 2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,222.81	161.63
23 05 16 00-0289 EA 3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,302.08	205.38
23 05 16 00-0290 EA 4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,660.77	344.75
23 05 16 00-0291 EA 5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	1,963.73	390.34
23 05 16 00-0292 EA 6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	2,032.40	386.25
23 05 16 00-0293 EA 8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	2,418.76	491.77
23 05 16 00-0294 EA 10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	2,839.07	598.68
23 05 16 00-0295 EA 12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	3,307.93	454.89
23 05 16 00-0296 EA 14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	4,082.18	855.26
23 05 16 00-0297 EA 16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	4,754.80	940.78
23 05 16 00-0298 EA 18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	5,264.34	1,043.41
23 05 16 00-0299 EA 20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	5,971.18	1,175.97
23 05 16 00-0300 EA 24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	7,116.96	1,443.25
23 05 16 00-0301 EA 30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	10,491.16	2,351.95
23 05 16 00-0302 EA 36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	13,143.72	3,135.94
23 05 16 00-0303 EA 42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	17,514.17	4,703.90
23 05 16 00-0304 EA 48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	20,681.32	5,879.88
23 05 16 00-0305 EA 60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	28,047.51	8,467.02
23 05 16 00-0306 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) (23 05 16 00-0284)		
Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0307 EA 1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	1,179.28	116.97
23 05 16 00-0308 EA 2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	1,242.87	148.17
23 05 16 00-0309 EA 2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	1,333.49	161.63
23 05 16 00-0310 EA 3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	1,412.77	205.38
23 05 16 00-0311 EA 4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	1,759.16	344.75
23 05 16 00-0312 EA 5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	2,111.31	390.34
23 05 16 00-0313 EA 6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	2,155.38	386.25
23 05 16 00-0314 EA 8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	2,603.24	491.77
23 05 16 00-0315 EA 10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	3,035.84	598.68
23 05 16 00-0316 EA 12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	3,517.00	454.89
23 05 16 00-0317 EA 14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	4,365.04	855.26
23 05 16 00-0318 EA 16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	5,086.86	940.78
23 05 16 00-0319 EA 18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	5,633.30	1,043.41
23 05 16 00-0320 EA 20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	6,389.33	1,175.97
23 05 16 00-0321 EA 24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	7,608.89	1,443.25
23 05 16 00-0322 EA 30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	11,216.76	2,351.95
23 05 16 00-0323 EA 36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	14,004.61	3,135.94
23 05 16 00-0324 EA 42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	18,621.02	4,703.90
23 05 16 00-0325 EA 48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	21,960.35	5,879.88
23 05 16 00-0326 EA 60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N).....	29,793.88	8,467.02



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0327	2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) (23 05 16 00-0284) Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0328	EA 1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	1,216.17	116.97
23 05 16 00-0329	EA 2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	1,316.66	148.17
23 05 16 00-0330	EA 2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	1,394.98	161.63
23 05 16 00-0331	EA 3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	1,486.56	205.38
23 05 16 00-0332	EA 4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	1,857.54	344.75
23 05 16 00-0333	EA 5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	2,185.10	390.34
23 05 16 00-0334	EA 6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	2,278.37	386.25
23 05 16 00-0335	EA 8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	2,701.63	491.77
23 05 16 00-0336	EA 10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	3,158.83	598.68
23 05 16 00-0337	EA 12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	3,664.58	454.89
23 05 16 00-0338	EA 14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	4,512.62	855.26
23 05 16 00-0339	EA 16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	5,283.64	940.78
23 05 16 00-0340	EA 18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	5,854.67	1,043.41
23 05 16 00-0341	EA 20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	6,684.49	1,175.97
23 05 16 00-0342	EA 24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	7,879.46	1,443.25
23 05 16 00-0343	EA 30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	11,253.66	2,351.95
23 05 16 00-0344	EA 36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	14,496.54	3,135.94
23 05 16 00-0345	EA 42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	19,309.73	4,703.90
23 05 16 00-0346	EA 48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	22,722.85	5,879.88
23 05 16 00-0347	EA 60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN).....	30,826.95	8,467.02
23 05 16 00-0348	2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) (23 05 16 00-0284) Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0349	EA 1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH).....	1,277.66	116.97
23 05 16 00-0350	EA 2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH).....	1,341.26	148.17
23 05 16 00-0351	EA 2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH).....	1,431.88	161.63
23 05 16 00-0352	EA 3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH).....	1,548.05	205.38
23 05 16 00-0353	EA 4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH).....	1,906.74	344.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0354 EA 5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,283.49	390.34
23 05 16 00-0355 EA 6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,376.75	386.25
23 05 16 00-0356 EA 8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,800.02	491.77
23 05 16 00-0357 EA 10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,281.81	598.68
23 05 16 00-0358 EA 12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,836.76	454.89
23 05 16 00-0359 EA 14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,684.80	855.26
23 05 16 00-0360 EA 16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,505.01	940.78
23 05 16 00-0361 EA 18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,100.64	1,043.41
23 05 16 00-0362 EA 20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,955.06	1,175.97
23 05 16 00-0363 EA 24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,162.32	1,443.25
23 05 16 00-0364 EA 30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,065.35	2,351.95
23 05 16 00-0365 EA 36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	15,086.87	3,135.94
23 05 16 00-0366 EA 42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	19,998.44	4,703.90
23 05 16 00-0367 EA 48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	23,313.17	5,879.88
23 05 16 00-0368 EA 60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	31,614.04	8,467.02
23 05 16 00-0369 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) (23 05 16 00-0284) Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0370 EA 1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,597.42	116.97
23 05 16 00-0371 EA 2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,734.81	148.17
23 05 16 00-0372 EA 2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,850.03	161.63
23 05 16 00-0373 EA 3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,458.13	205.38
23 05 16 00-0374 EA 4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,210.37	344.75
23 05 16 00-0375 EA 5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,931.47	390.34
23 05 16 00-0376 EA 6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,270.71	386.25
23 05 16 00-0377 EA 8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,505.66	491.77
23 05 16 00-0378 EA 10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,291.09	598.68
23 05 16 00-0379 EA 12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	8,337.97	454.89
23 05 16 00-0380 EA 14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,591.86	855.26
23 05 16 00-0381 EA 16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,752.59	940.78
23 05 16 00-0382 EA 18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	13,036.93	1,043.41
23 05 16 00-0383 EA 20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	15,317.97	1,175.97
23 05 16 00-0384 EA 24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	20,104.07	1,443.25
23 05 16 00-0385 EA 30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	33,685.94	2,351.95
23 05 16 00-0386 EA 36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	42,290.93	3,135.94
23 05 16 00-0387 EA 42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	55,319.45	4,703.90
23 05 16 00-0388 EA 48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	64,660.39	5,879.88
23 05 16 00-0389 EA 60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	85,604.02	8,467.02
23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701) (23 05 16 00-0284) Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.		
23 05 16 00-0391 EA 1-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,058.22	89.46
For Hypalon Tube And Cover, Add	17.59	
For Viton Tube And Cover, Add	879.34	
23 05 16 00-0392 EA 2" Teflon Lined Expansion Joint (Mercer 701)	1,236.72	92.57
For Hypalon Tube And Cover, Add	21.03	
For Viton Tube And Cover, Add	1,051.51	
23 05 16 00-0393 EA 2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,410.51	101.12
For Hypalon Tube And Cover, Add	24.17	
For Viton Tube And Cover, Add	1,208.32	
23 05 16 00-0394 EA 3" Teflon Lined Expansion Joint (Mercer 701)	1,742.19	200.78
For Hypalon Tube And Cover, Add	26.81	
For Viton Tube And Cover, Add	1,340.53	
23 05 16 00-0395 EA 4" Teflon Lined Expansion Joint (Mercer 701)	2,138.15	257.37
For Hypalon Tube And Cover, Add	32.47	
For Viton Tube And Cover, Add	1,623.39	
23 05 16 00-0396 EA 5" Teflon Lined Expansion Joint (Mercer 701)	2,543.81	280.30
For Hypalon Tube And Cover, Add	39.66	
For Viton Tube And Cover, Add	1,983.12	
23 05 16 00-0397 EA 6" Teflon Lined Expansion Joint (Mercer 701)	2,680.60	267.26
For Hypalon Tube And Cover, Add	42.92	
For Viton Tube And Cover, Add	2,146.07	
23 05 16 00-0398 EA 8" Teflon Lined Expansion Joint (Mercer 701)	3,217.66	305.22
For Hypalon Tube And Cover, Add	52.15	
For Viton Tube And Cover, Add	2,607.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0399 EA 10" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	4,056.34 66.60 3,329.79	363.27
23 05 16 00-0400 EA 12" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	5,187.17 85.54 4,276.77	455.21
23 05 16 00-0401 EA 14" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	5,830.94 98.14 4,907.06	461.94
23 05 16 00-0402 EA 16" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	7,239.02 121.75 6,087.71	575.69
23 05 16 00-0403 EA 18" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	8,063.20 135.10 6,754.90	654.17
23 05 16 00-0404 EA 20" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	9,439.79 159.45 7,972.44	733.70
23 05 16 00-0405 EA 24" Teflon Lined Expansion Joint (Mercer 701)..... For Hypalon Tube And Cover, Add For Viton Tube And Cover, Add	12,341.18 210.67 10,533.88	903.79

23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501 (23 05 16 00-0091)**23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints** (23 05 16 00-0406)

23 05 16 00-0408 EA 1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	46.73
23 05 16 00-0409 EA 2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	59.03
23 05 16 00-0410 EA 2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	66.41
23 05 16 00-0411 EA 3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	71.33
23 05 16 00-0412 EA 4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	105.77
23 05 16 00-0413 EA 5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	130.36
23 05 16 00-0414 EA 6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	142.66
23 05 16 00-0415 EA 8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	157.42
23 05 16 00-0416 EA 10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	201.69
23 05 16 00-0417 EA 12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	238.59
23 05 16 00-0418 EA 14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	319.76
23 05 16 00-0419 EA 16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	344.36
23 05 16 00-0420 EA 18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	368.95
23 05 16 00-0421 EA 20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	405.85
23 05 16 00-0422 EA 24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	504.23
23 05 16 00-0423 EA 30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	627.22
23 05 16 00-0424 EA 36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	762.50
23 05 16 00-0425 EA 42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	1,082.26
23 05 16 00-0426 EA 48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	1,291.33

23 05 16 00-0427 Control Rods For Mercer 451 And 501 Expansion Joints (23 05 16 00-0406)

23 05 16 00-0428 SET 1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	121.20
23 05 16 00-0429 SET 2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	153.29
23 05 16 00-0430 SET 2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	178.24
23 05 16 00-0431 SET 3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	213.89
23 05 16 00-0432 SET 4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	213.89
23 05 16 00-0433 SET 5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	231.71
23 05 16 00-0434 SET 6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	267.36
23 05 16 00-0435 SET 8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	392.13
23 05 16 00-0436 SET 10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	766.43
23 05 16 00-0437 SET 12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	1,051.62
23 05 16 00-0438 SET 14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	1,568.51
23 05 16 00-0439 SET 16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	1,764.58
23 05 16 00-0440 SET 18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	2,352.77
23 05 16 00-0441 SET 20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	2,513.18
23 05 16 00-0442 SET 24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	2,834.02
23 05 16 00-0443 SET 30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	4,152.99
23 05 16 00-0444 SET 36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	6,113.63
23 05 16 00-0445 SET 42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	4,135.17
23 05 16 00-0446 SET 48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	5,436.32
23 05 16 00-0447 SET 60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	8,484.22

23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**23 05 17 00-0001 Wall Seals And Sleeves** (23 05 17)
Note: Up to 12" walls. Excludes drilling hole.**23 05 17 00-0002 Ductile Iron Wall Sleeve** (23 05 17 00-0001)
Note: Includes rubber gasket seal.

23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	179.11	52.87
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	234.99	61.75
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	292.77	74.08
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	392.39	111.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 17 Sleeves and Sleeve Seals for HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	483.98	148.05
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	586.60	185.14
23 05 17 00-0009		Steel Pipe Sleeves (23 05 17 00-0001) Note: Includes link seals 12" length.		
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals.....	155.65	53.64
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	195.34	58.15
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals.....	232.91	62.65
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals.....	289.24	75.16
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals.....	425.15	93.87
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals.....	787.69	112.68
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	927.25	140.85
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,243.82	173.31
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,711.08	225.37
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,467.69	281.71
23 05 19		Meters and Gages for HVAC Piping (23 05) See CSI section 33 19 00 00-0000 for water utility service metering.		
23 05 19 00-0001		Thermometers (23 05 19)		
23 05 19 00-0002		Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	115.63	38.61
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.87	38.61
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.87	38.61
23 05 19 00-0006		Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	154.11	38.61
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	154.11	38.61
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	194.33	38.61
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	159.36	38.61
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	168.10	38.61
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	199.58	38.61
23 05 19 00-0013		Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001) Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	154.11	38.61
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	154.11	38.61
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	194.33	38.61
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	176.84	38.61
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	194.33	38.61
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	198.79	38.61
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell.....	195.44	72.39
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell.....	195.35	72.39
23 05 19 00-0023		Pressure Gauges (23 05 19)		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	41.36	15.08
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	51.68	15.08
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	343.60	15.08
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	343.60	15.08
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	450.05	15.08
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	1,076.91	15.08
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023) Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	154.24	15.08
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	352.64	15.08
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.22	15.08
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.22	15.08
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.22	15.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0039 Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	98.10	12.06
23 05 19 00-0041 EA 1/4" Diameter, Snubber Valve	59.38	12.06
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock	37.18	18.10
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock	31.78	18.10
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon	36.69	18.10
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple	7.51	6.03
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let	69.17	30.17
23 05 19 00-0047 EA 1/4", 300 Lb., Black Steel Union	65.68	12.06
23 05 19 00-0048 EA 1/4" Black Steel Coupling	25.67	12.06
23 05 19 00-0049 EA 1/4", 300 Lb., Black Steel Plug	14.83	7.24
23 05 19 00-0050 EA 1/4", 150 Lb., Black Steel Cap	15.35	7.24
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.60	3.98
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	8.59	3.98
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.30	
23 05 19 00-0054 EA 1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	120.49	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover	92.44	18.46
23 05 19 00-0057 Sight Flow Indicator (23 05 19)		
23 05 19 00-0058 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0059 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	181.43	17.57
23 05 19 00-0060 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	189.48	18.48
23 05 19 00-0061 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	205.06	19.42
23 05 19 00-0062 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	228.51	26.17
23 05 19 00-0063 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	273.03	31.72
23 05 19 00-0064 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	308.56	40.16
23 05 19 00-0065 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	439.97	46.43
23 05 19 00-0066 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	486.59	54.88
23 05 19 00-0067 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0068 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	237.23	17.57
23 05 19 00-0069 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	244.04	18.48
23 05 19 00-0070 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	263.34	19.42
23 05 19 00-0071 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	278.11	26.17
23 05 19 00-0072 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	294.11	31.72
23 05 19 00-0073 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	317.24	40.16
23 05 19 00-0074 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	608.60	46.43
23 05 19 00-0075 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	650.27	54.88
23 05 19 00-0076 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0077 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	345.11	17.57
23 05 19 00-0078 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	364.32	18.48
23 05 19 00-0079 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	396.02	19.42
23 05 19 00-0080 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	429.38	26.17
23 05 19 00-0081 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	492.50	31.72
23 05 19 00-0082 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	519.35	40.16
23 05 19 00-0083 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,054.98	46.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,109.05	54.88	
23 05 19 00-0085		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0057)			
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	233.51	17.57	
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	242.80	18.48	
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	257.14	19.42	
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	276.87	26.17	
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	292.87	31.72	
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	317.24	40.16	
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	601.16	46.43	
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	640.35	54.88	
23 05 19 00-0094		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)			
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	342.63	17.57	
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	369.28	18.48	
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	403.46	19.42	
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	429.38	26.17	
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	492.50	31.72	
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	524.31	40.16	
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,054.98	46.43	
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,109.05	54.88	
23 05 19 00-0103		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0057)			
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	502.42	31.72	
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	563.99	40.16	
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	640.84	46.43	
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	719.71	54.88	
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0057)			
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,104.16	126.64	
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,230.80	160.78	
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,819.11	188.81	
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,740.79	316.53	
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,467.18	393.60	
23 05 19 00-0114		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)			
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	847.84	90.46	
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,001.54	105.53	
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,078.74	126.64	
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,351.69	160.78	
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,967.28	188.81	
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,901.36	316.53	
23 05 19 00-0121		Venturi Flowmeters (23 05 19)			
23 05 19 00-0122		Threaded, Brass, Venturi Flowmeters (23 05 19 00-0121)			
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	327.27	82.05	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	360.91	98.45	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	398.01	109.44	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	448.61	123.08	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter	534.44	140.69	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	734.49	197.84	
		For Portable Venturi Flow Meter, Add	995.00		
23 05 19 00-0129		Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0121)			
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,412.77	169.03	
		For Portable Venturi Flow Meter, Add	995.00		
		For Flanged Ends, Add	376.15		
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,946.09	202.83	
		For Portable Venturi Flow Meter, Add	995.00		
		For Flanged Ends, Add	539.15		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0132 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0133 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0134 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0135 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0136 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0137 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add 23 05 19 00-0138 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter For Portable Venturi Flow Meter, Add For Flanged Ends, Add	2,549.04 995.00 714.69 3,040.48 995.00 827.54 4,429.54 995.00 1,266.38 7,211.70 995.00 2,169.15 10,852.89 995.00 3,285.07 15,240.43 995.00 4,563.98 22,685.56 995.00 7,084.20	253.54 338.05 405.66 507.07 733.50 1,100.24 1,222.49
23 05 19 00-0139 Turbine Flowmeter (23 05 19)		
23 05 19 00-0140 EA Saddle Mount Turbine Flowmeter	993.38	90.50
23 05 19 00-0141 Water Flow Switches (23 05 19)		
23 05 19 00-0142 EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1) 23 05 19 00-0143 EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) 23 05 19 00-0144 EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1) 23 05 19 00-0145 EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1) 23 05 19 00-0146 EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1) 23 05 19 00-0147 EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1) 23 05 19 00-0148 EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) 23 05 19 00-0149 EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) 23 05 19 00-0150 EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) 23 05 19 00-0151 EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1) 23 05 19 00-0152 EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1) 23 05 19 00-0153 EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) 23 05 19 00-0154 EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) 23 05 19 00-0155 EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1) 23 05 19 00-0156 EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1) 23 05 19 00-0157 EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	308.17 319.51 415.29 429.79 334.02 347.24 441.13 454.35 880.25 893.07 1,014.81 1,032.43 910.69 928.31 1,045.25 1,064.47	35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56 35.56
23 05 19 00-0158 Sight Glass (23 05 19)		
23 05 19 00-0159 In-Line, 316L Stainless Steel Body, Sight Glass With Clamp (23 05 19 00-0158)		
23 05 19 00-0160 EA 1" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R100)..... 23 05 19 00-0161 EA 1-1/2" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R150)..... 23 05 19 00-0162 EA 2" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R200)..... 23 05 19 00-0163 EA 2-1/2" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)..... 23 05 19 00-0164 EA 3" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)..... 23 05 19 00-0165 EA 4" Diameter In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R400).....	566.69 658.79 709.39 898.46 1,347.27 1,635.60	31.72 46.43 54.88 65.37 67.19 99.13
23 05 23 General-Duty Valves For HVAC Piping (23 05)		
Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.		
23 05 23 00-0001 Gate Valves (23 05 23)		
23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003 EA 1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve..... For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add 23 05 23 00-0004 EA 3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve..... For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	68.63 3.35 5.03 8.38 11.73 10.54 70.48 3.35 5.03 8.38 11.73 11.09	12.06 12.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0005 EA 1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	72.42	12.06
For 150 Lb. Rating, Add	3.35	
For 200 Lb. Rating, Add	5.03	
For 250 Lb. Rating, Add	8.38	
For 300 Lb. Rating, Add	11.73	
For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0006 EA 3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	92.42	13.27
For 150 Lb. Rating, Add	4.00	
For 200 Lb. Rating, Add	6.00	
For 250 Lb. Rating, Add	10.00	
For 300 Lb. Rating, Add	13.99	
For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0007 EA 1" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	123.87	15.08
For 150 Lb. Rating, Add	6.04	
For 200 Lb. Rating, Add	9.06	
For 250 Lb. Rating, Add	15.10	
For 300 Lb. Rating, Add	21.14	
For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0008 EA 1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	161.84	16.05
For 150 Lb. Rating, Add	8.14	
For 200 Lb. Rating, Add	12.21	
For 250 Lb. Rating, Add	20.36	
For 300 Lb. Rating, Add	28.50	
For Work In Restricted Working Space, Add	24.12	
23 05 23 00-0009 EA 1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	195.39	18.57
For 150 Lb. Rating, Add	10.26	
For 200 Lb. Rating, Add	15.39	
For 250 Lb. Rating, Add	25.65	
For 300 Lb. Rating, Add	35.91	
For Work In Restricted Working Space, Add	27.83	
23 05 23 00-0010 EA 2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	249.85	21.95
For 150 Lb. Rating, Add	14.02	
For 200 Lb. Rating, Add	21.03	
For 250 Lb. Rating, Add	35.05	
For 300 Lb. Rating, Add	49.07	
For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	547.95	29.66
For Chain Operated Type, Add	179.94	
For 150 Lb. Rating, Add	39.99	
For 200 Lb. Rating, Add	59.98	
For 250 Lb. Rating, Add	99.97	
For 300 Lb. Rating, Add	139.95	
For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0012 EA 3" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	648.85	34.43
For Chain Operated Type, Add	215.09	
For 150 Lb. Rating, Add	47.80	
For 200 Lb. Rating, Add	71.70	
For 250 Lb. Rating, Add	119.50	
For 300 Lb. Rating, Add	167.29	
For Work In Restricted Working Space, Add	51.26	
23 05 23 00-0013 EA 4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	1,333.04	38.87
For Chain Operated Type, Add	512.41	
For 150 Lb. Rating, Add	113.87	
For 200 Lb. Rating, Add	170.80	
For 250 Lb. Rating, Add	284.67	
For 300 Lb. Rating, Add	398.54	
For Work In Restricted Working Space, Add	58.31	
23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	290.69	18.57
For 150 Lb. Rating, Add	39.58	
For 250 Lb. Rating, Add	69.27	
For Chain Operated Type, Add	69.27	
For Work In Restricted Working Space, Add	27.83	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	444.07	21.95
For 150 Lb. Rating, Add	66.88	
For 250 Lb. Rating, Add	117.05	
For Chain Operated Type, Add	117.05	
For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	651.06	29.66
For 150 Lb. Rating, Add	100.59	
For 250 Lb. Rating, Add	176.04	
For Chain Operated Type, Add	176.04	
For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	830.79	34.43
For 150 Lb. Rating, Add	131.98	
For 250 Lb. Rating, Add	230.97	
For Chain Operated Type, Add	230.97	
For Work In Restricted Working Space, Add	51.26	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,970.80 355.29 621.75 621.75 58.31	38.87
23 05 23 00-0020		Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.65 176.31 303.98 687.30 303.98 47.61	126.64
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	836.84 184.39 317.91 736.33 317.91 60.31	160.78
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	964.80 221.23 381.43 863.83 381.43 60.58	161.04
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,189.84 276.52 476.77 1,071.69 476.77 70.89	188.81
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,668.10 368.72 635.72 1,469.77 635.72 119.00	316.53
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,094.84 479.29 826.36 1,873.78 826.36 132.64	354.23
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,527.65 589.83 1,016.95 2,280.77 1,016.95 148.13	393.60
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,993.91 977.06 1,684.58 3,681.54 1,684.58 187.43	502.93
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,214.85 1,290.36 2,224.77 4,832.19 2,224.77 229.60	612.26
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,284.45 1,843.47 3,178.40 6,820.62 3,178.40 278.30	743.45
23 05 23 00-0031		Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001) Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	577.91 242.57 363.85 27.83	18.57
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	736.80 313.58 470.36 32.90	21.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0034 EA 2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	855.28	29.66
For 175 Lb. Rating, Add	353.60	
For 250 Lb. Rating, Add	530.39	
For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0035 EA 3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	951.18	34.43
For 175 Lb. Rating, Add	390.16	
For 250 Lb. Rating, Add	585.23	
For Work In Restricted Working Space, Add	51.26	
23 05 23 00-0036 EA 4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,271.86	38.87
For 175 Lb. Rating, Add	538.75	
For 250 Lb. Rating, Add	808.13	
For Work In Restricted Working Space, Add	58.31	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves		
(23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,035.10	126.64
For 150 Lb. Rating, Add	131.46	
For 175 Lb. Rating, Add	271.68	
For 250 Lb. Rating, Add	569.66	
For Chain Operated Type, Add	438.20	
For Work In Restricted Working Space, Add	47.61	
23 05 23 00-0039 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,103.46	160.78
For 150 Lb. Rating, Add	135.37	
For 175 Lb. Rating, Add	279.76	
For 250 Lb. Rating, Add	586.59	
For Chain Operated Type, Add	451.22	
For Work In Restricted Working Space, Add	60.31	
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,133.83	161.04
For 150 Lb. Rating, Add	139.78	
For 175 Lb. Rating, Add	288.89	
For 250 Lb. Rating, Add	605.73	
For Chain Operated Type, Add	465.95	
For Work In Restricted Working Space, Add	60.58	
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,261.64	188.81
For 150 Lb. Rating, Add	153.80	
For 175 Lb. Rating, Add	317.85	
For 250 Lb. Rating, Add	666.46	
For Chain Operated Type, Add	512.67	
For Work In Restricted Working Space, Add	70.89	
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,640.12	316.53
For 150 Lb. Rating, Add	186.52	
For 175 Lb. Rating, Add	385.47	
For 250 Lb. Rating, Add	808.25	
For Chain Operated Type, Add	621.73	
For Work In Restricted Working Space, Add	119.00	
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,177.02	354.23
For 150 Lb. Rating, Add	260.24	
For 175 Lb. Rating, Add	537.82	
For 250 Lb. Rating, Add	1,127.69	
For Chain Operated Type, Add	867.45	
For Work In Restricted Working Space, Add	132.64	
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,475.08	393.60
For 150 Lb. Rating, Add	297.20	
For 175 Lb. Rating, Add	614.21	
For 250 Lb. Rating, Add	1,287.86	
For Chain Operated Type, Add	990.66	
For Work In Restricted Working Space, Add	148.13	
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,975.70	502.93
For 150 Lb. Rating, Add	502.64	
For 175 Lb. Rating, Add	1,038.79	
For 250 Lb. Rating, Add	2,178.12	
For Chain Operated Type, Add	1,675.48	
For Work In Restricted Working Space, Add	187.43	
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,922.43	612.26
For 150 Lb. Rating, Add	773.57	
For 175 Lb. Rating, Add	1,598.70	
For 250 Lb. Rating, Add	3,352.12	
For Chain Operated Type, Add	2,578.56	
For Work In Restricted Working Space, Add	229.60	
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	7,463.86	743.45
For 150 Lb. Rating, Add	980.43	
For 175 Lb. Rating, Add	2,026.22	
For 250 Lb. Rating, Add	4,248.53	
For Chain Operated Type, Add	3,268.10	
For Work In Restricted Working Space, Add	278.30	
23 05 23 00-0048 EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	15,258.50	1,056.08
For 150 Lb. Rating, Add	2,090.76	
For 175 Lb. Rating, Add	4,320.90	
For 250 Lb. Rating, Add	9,059.95	
For Work In Restricted Working Space, Add	396.03	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	19,991.59 2,780.92 5,747.24 12,050.66 435.64	1,161.70
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	27,566.12 3,893.34 8,046.23 16,871.13 483.16	1,288.43
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	35,181.50 5,004.95 10,343.57 21,688.13 544.55	1,452.12
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	48,257.28 6,904.44 14,269.18 29,919.24 668.30	1,782.14
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	101,443.20 14,671.94 30,322.00 63,578.39 1,089.09	2,904.24
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	129,120.32 18,641.99 38,526.78 80,781.95 1,452.12	3,872.33
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	151,146.67 21,748.99 44,947.90 94,245.61 1,846.03	4,922.74
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	181,581.38 26,083.44 53,905.78 113,028.24 2,307.53	6,153.43
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 Lb. Rating, Add</i> <i>For 175 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	217,897.66 31,300.13 64,686.93 135,633.89 2,769.04	7,384.11
23 05 23 00-0058		Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	174.15 10.54	12.06
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	177.94 11.67	12.06
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	210.13 15.73	13.27
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	255.08 19.04	15.08
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	389.54 24.12	16.05
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	460.71 27.83	18.57
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	579.32 32.90	21.95
23 05 23 00-0066		Ball Valves (23 05 23)		
23 05 23 00-0067		Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066) Note: 125 Lb. WSP.		
23 05 23 00-0068	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.94 2.63 6.76 11.67	12.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0069	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	75.55	13.27
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	10.40	
		For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0070	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	94.67	15.08
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	14.04	
		For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0071	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	132.79	16.05
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	23.57	
		For Work In Restricted Working Space, Add	24.12	
23 05 23 00-0072	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	159.68	18.57
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	30.11	
		For Work In Restricted Working Space, Add	27.83	
23 05 23 00-0073	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	193.45	21.95
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	37.71	
		For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0074	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	543.56	29.66
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	177.96	
		For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0075	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	627.16	34.43
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	205.33	
		For Work In Restricted Working Space, Add	51.26	
23 05 23 00-0076	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	816.45	38.87
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	279.94	
		For Work In Restricted Working Space, Add	58.31	
23 05 23 00-0077 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)				
23 05 23 00-0078	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	63.88	12.06
		For Work In Restricted Working Space, Add	10.54	
23 05 23 00-0079	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	70.13	12.06
		For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0080	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	97.59	13.27
		For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0081	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	124.19	15.08
		For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0082	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	184.17	16.05
		For Work In Restricted Working Space, Add	24.12	
23 05 23 00-0083	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	224.23	18.57
		For Work In Restricted Working Space, Add	27.83	
23 05 23 00-0084	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve.....	290.65	21.95
		For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0085 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)				
23 05 23 00-0086	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	615.16	126.64
		For 150 Lb. Rating, Add	132.37	
		For 250 Lb. Rating, Add	228.23	
		For 300 Lb. Rating, ASTM A182, Add	535.81	
		For Chain Operated Type, Add	228.23	
		For Work In Restricted Working Space, Add	47.61	
		For Work In Restricted Working Space, Add	47.61	
23 05 23 00-0087	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	767.30	160.78
		For 150 Lb. Rating, Add	164.22	
		For 250 Lb. Rating, Add	283.14	
		For 300 Lb. Rating, ASTM A182, Add	666.79	
		For Chain Operated Type, Add	283.14	
		For Work In Restricted Working Space, Add	60.31	
		For Work In Restricted Working Space, Add	60.31	
23 05 23 00-0088	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,236.39	161.04
		For 150 Lb. Rating, Add	299.99	
		For 250 Lb. Rating, Add	517.23	
		For 300 Lb. Rating, ASTM A182, Add	1,135.42	
		For Chain Operated Type, Add	517.23	
		For Work In Restricted Working Space, Add	60.58	
		For Work In Restricted Working Space, Add	60.58	
23 05 23 00-0089	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,354.76	188.81
		For 150 Lb. Rating, Add	324.35	
		For 250 Lb. Rating, Add	559.23	
		For 300 Lb. Rating, ASTM A182, Add	1,236.61	
		For Chain Operated Type, Add	559.23	
		For Work In Restricted Working Space, Add	70.89	
		For Work In Restricted Working Space, Add	70.89	
23 05 23 00-0090	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,967.63	316.53
		For Work In Restricted Working Space, Add	119.00	
23 05 23 00-0091	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,753.20	393.60
		For Work In Restricted Working Space, Add	148.13	



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0092	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve For Work In Restricted Working Space, Add	8,182.23 187.43	502.93
23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0066)				
23 05 23 00-0094	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	45.25 4.58 11.67	12.06
23 05 23 00-0095	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	59.74 5.67 15.73	13.27
23 05 23 00-0096	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	73.64 7.40 19.04	15.08
23 05 23 00-0097	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	93.76 9.56 24.12	16.05
23 05 23 00-0098	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	116.00 14.16 27.83	18.57
23 05 23 00-0099	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	139.25 17.60 32.90	21.95
23 05 23 00-0100	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	211.77 33.25 44.43	29.66
23 05 23 00-0101	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	279.15 52.28 51.26	34.43
23 05 23 00-0102	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve For True Union Socket Or Thread Type, Add For Work In Restricted Working Space, Add	401.40 93.02 58.31	38.87
23 05 23 00-0103 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066)				
23 05 23 00-0104	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	97.88 20.34 15.81	18.09
23 05 23 00-0105	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	100.64 20.34 16.64	18.09
23 05 23 00-0106	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	103.55 20.34 17.51	18.09
23 05 23 00-0107	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	126.58 21.56 23.60	19.90
23 05 23 00-0108	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	166.21 31.94 28.57	22.62
23 05 23 00-0109	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	217.76 43.72 36.18	24.06
23 05 23 00-0110	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	268.34 58.13 41.75	27.86
23 05 23 00-0111	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	374.70 94.60 49.34	32.93
23 05 23 00-0112	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	732.30 229.58 66.64	44.48
23 05 23 00-0113	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Full Port, Add For Work In Restricted Working Space, Add	1,066.43 364.55 76.89	51.64
23 05 23 00-0114 Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valves (23 05 23 00-0066)				
23 05 23 00-0115	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	109.83 11.67	12.06
23 05 23 00-0116	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	153.99 15.73	13.27
23 05 23 00-0117	EA	1" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	198.88 19.04	15.08
23 05 23 00-0118	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	275.45 24.12	16.05
23 05 23 00-0119	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	353.90 27.83	18.57
23 05 23 00-0120	EA	2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	477.16 32.90	21.95
23 05 23 00-0121	EA	2-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve For Work In Restricted Working Space, Add	945.97 44.43	29.66

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0122	EA	3" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	1,283.06 51.26	34.43
23 05 23 00-0123		Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0066)		
23 05 23 00-0124	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	181.10	12.06
23 05 23 00-0125	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	232.25	15.68
23 05 23 00-0126	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	299.42	19.30
23 05 23 00-0127	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	408.77	26.53
23 05 23 00-0128	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	511.44	30.87
23 05 23 00-0129	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	675.27	36.19
23 05 23 00-0130		Plastic Ball Valves (23 05 23 00-0066)		
		Note: Threaded or socket.		
23 05 23 00-0131		Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0130)		
23 05 23 00-0132	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	74.29	12.06
23 05 23 00-0133	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	77.58	12.06
23 05 23 00-0134	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	98.31	13.27
23 05 23 00-0135	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	127.77	15.08
23 05 23 00-0136	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	152.13	16.05
23 05 23 00-0137	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	184.12	18.57
23 05 23 00-0138	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	224.19	21.95
23 05 23 00-0139		Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves (23 05 23 00-0130)		
23 05 23 00-0140	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	110.79	12.06
23 05 23 00-0141	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	112.42	12.06
23 05 23 00-0142	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	141.44	13.27
23 05 23 00-0143	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	174.62	15.08
23 05 23 00-0144	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	262.88	16.05
23 05 23 00-0145	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	291.84	18.57
23 05 23 00-0146	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	350.18	21.95
23 05 23 00-0147		Viton Liner And Seals, Polypropylene (PP) Ball Valves (23 05 23 00-0130)		
23 05 23 00-0148	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	123.23	12.06
23 05 23 00-0149	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	133.15	12.06
23 05 23 00-0150	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	153.05	13.27
23 05 23 00-0151	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	187.89	15.08
23 05 23 00-0152	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	236.34	16.05
23 05 23 00-0153	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	283.54	18.57
23 05 23 00-0154	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	366.76	21.95
23 05 23 00-0155		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves (23 05 23 00-0130)		
23 05 23 00-0156	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	245.98	12.06
23 05 23 00-0157	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	262.54	12.06
23 05 23 00-0158	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	312.29	13.27
23 05 23 00-0159	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	365.38	15.08
23 05 23 00-0160	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	445.35	16.05
23 05 23 00-0161	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	490.89	18.57
23 05 23 00-0162	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	565.82	21.95
23 05 23 00-0163		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0130)		
23 05 23 00-0164	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	51.28	12.06
23 05 23 00-0165	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	68.70	13.27
23 05 23 00-0166	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	83.39	15.08
23 05 23 00-0167	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	115.58	16.05
23 05 23 00-0168	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	127.95	18.57



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Common Work Results for HVAC			23 05
General-Duty Valves For HVAC Piping			23 05 23

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0169	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	156.01		21.95
23 05 23 00-0170		Plastic, True Union, Ball Valves (23 05 23 00-0066)			
23 05 23 00-0171		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves (23 05 23 00-0170) Note: Socket or NPT connectors.			
23 05 23 00-0172	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	119.91		12.06
23 05 23 00-0173	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	124.86		12.06
23 05 23 00-0174	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	151.39		13.27
23 05 23 00-0175	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	186.23		15.08
23 05 23 00-0176	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	224.73		16.05
23 05 23 00-0177	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	258.66		18.57
23 05 23 00-0178	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	317.00		21.95
23 05 23 00-0179		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves (23 05 23 00-0170) Note: Socket or NPT connectors.			
23 05 23 00-0180	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	121.57		12.06
23 05 23 00-0181	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	141.45		12.06
23 05 23 00-0182	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	153.05		13.27
23 05 23 00-0183	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	186.23		15.08
23 05 23 00-0184	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	221.41		16.05
23 05 23 00-0185	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	257.00		18.57
23 05 23 00-0186	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	317.00		21.95
23 05 23 00-0187		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0170) Note: Socket or NPT connectors.			
23 05 23 00-0188	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	66.80		12.06
23 05 23 00-0189	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	85.87		13.27
23 05 23 00-0190	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	103.29		15.08
23 05 23 00-0191	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	135.98		16.05
23 05 23 00-0192	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	159.13		18.57
23 05 23 00-0193	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	217.47		21.95
23 05 23 00-0194	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	304.02		29.66
23 05 23 00-0195	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	383.20		34.43
23 05 23 00-0196	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	542.71		38.87
23 05 23 00-0197		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0170) Note: Socket or NPT connectors.			
23 05 23 00-0198	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	78.41		12.06
23 05 23 00-0199	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	102.45		13.27
23 05 23 00-0200	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	126.51		15.08
23 05 23 00-0201	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	176.62		16.05

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0202	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	193.97	18.57
23 05 23 00-0203	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	248.99	21.95
23 05 23 00-0204	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	430.09	29.66
23 05 23 00-0205	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	502.63	34.43
23 05 23 00-0206	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	774.94	38.87
23 05 23 00-0207		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0170)		
23 05 23 00-0208		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0207)		
23 05 23 00-0209	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	64.56	12.06
23 05 23 00-0210	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	66.41	12.06
23 05 23 00-0211	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	68.03	12.06
23 05 23 00-0212	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	86.86	13.27
23 05 23 00-0213	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	106.40	15.08
23 05 23 00-0214	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	129.55	16.05
23 05 23 00-0215	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	155.85	18.57
23 05 23 00-0216	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	199.23	21.95
23 05 23 00-0217	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	369.54	29.66
23 05 23 00-0218	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	411.40	34.43
23 05 23 00-0219	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	568.42	38.87
23 05 23 00-0220		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0207)		
23 05 23 00-0221	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	64.56	12.06
23 05 23 00-0222	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	66.41	12.06
23 05 23 00-0223	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	68.03	12.06
23 05 23 00-0224	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	86.86	13.27
23 05 23 00-0225	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	106.40	15.08
23 05 23 00-0226	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	129.55	16.05
23 05 23 00-0227	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	155.85	18.57
23 05 23 00-0228	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	199.23	21.95
23 05 23 00-0229	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	369.54	29.66
23 05 23 00-0230	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	411.40	34.43
23 05 23 00-0231	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	568.42	38.87
23 05 23 00-0232		Globe Valves (23 05 23)		
23 05 23 00-0233		Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves (23 05 23 00-0232)		
23 05 23 00-0234	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....	77.05	12.06
		For 150 Lb. Rating, Add.....	11.82	
		For 200 Lb. Rating, Add.....	14.49	
		For 250 Lb. Rating, Add.....	17.16	
		For 300 Lb. Rating, Add.....	20.98	
		For Work In Restricted Working Space, Add.....	11.67	
23 05 23 00-0235	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....	73.26	12.06
		For 150 Lb. Rating, Add.....	11.82	
		For 200 Lb. Rating, Add.....	14.49	
		For 250 Lb. Rating, Add.....	17.16	
		For 300 Lb. Rating, Add.....	20.98	
		For Work In Restricted Working Space, Add.....	10.54	
23 05 23 00-0236	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....	93.90	12.06
		For 150 Lb. Rating, Add.....	17.65	
		For 200 Lb. Rating, Add.....	21.63	
		For 250 Lb. Rating, Add.....	25.62	
		For 300 Lb. Rating, Add.....	31.31	
		For Work In Restricted Working Space, Add.....	11.09	
23 05 23 00-0237	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....	95.84	12.06
		For 150 Lb. Rating, Add.....	17.65	
		For 200 Lb. Rating, Add.....	21.63	
		For 250 Lb. Rating, Add.....	25.62	
		For 300 Lb. Rating, Add.....	31.31	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add.....	78.19	
		For Work In Restricted Working Space, Add.....	11.67	
23 05 23 00-0238	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....	114.16	12.66
		For 150 Lb. Rating, Add.....	19.13	
		For 200 Lb. Rating, Add.....	23.45	
		For 250 Lb. Rating, Add.....	27.77	
		For 300 Lb. Rating, Add.....	33.95	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add.....	88.87	
		For Work In Restricted Working Space, Add.....	15.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0239 EA 1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	146.89 25.86 31.70 37.53 45.88 117.14 19.04	12.66
23 05 23 00-0240 EA 1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	224.47 44.66 54.74 64.83 79.23 190.63 24.12	16.05
23 05 23 00-0241 EA 1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	298.67 63.83 78.24 92.65 113.24 263.59 27.83	18.57
23 05 23 00-0242 EA 2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add For Work In Restricted Working Space, Add	351.69 75.03 91.98 108.92 133.12 310.10 32.90	21.95
23 05 23 00-0243 EA 2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	392.12 75.65 92.73 109.81 134.22 44.43	29.66
23 05 23 00-0244 EA 3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	717.59 169.48 207.75 246.02 300.70 51.26	34.43
23 05 23 00-0245 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0232)		
23 05 23 00-0246 EA 2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	534.90 131.83 161.60 191.36 233.89 355.08 32.90	21.95
23 05 23 00-0247 EA 2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	663.54 159.79 195.87 231.95 283.50 430.40 44.43	29.66
23 05 23 00-0248 EA 3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	789.41 191.75 235.05 278.34 340.20 516.48 51.26	34.43
23 05 23 00-0249 EA 4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 250 Lb. Rating, Add For 300 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,019.03 255.66 313.39 371.12 453.60 688.64 58.29	38.87
23 05 23 00-0250 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0232)		
23 05 23 00-0251 EA 2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	721.86 161.46 234.38 260.42 60.31	160.78
23 05 23 00-0252 EA 2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	836.87 196.83 285.72 317.47 60.58	161.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0253	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	998.23 236.20 342.86 380.96 70.89	188.81
23 05 23 00-0254	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,412.55 314.93 457.15 507.95 119.00	316.53
23 05 23 00-0255	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,854.84 437.94 635.72 706.36 132.64	354.23
23 05 23 00-0256	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,279.50 553.58 803.58 892.87 148.13	393.60
23 05 23 00-0257	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,370.82 851.28 1,235.73 1,373.04 187.43	502.93
23 05 23 00-0258	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,947.92 1,296.61 1,882.17 2,091.30 229.60	612.26
23 05 23 00-0259	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,842.28 2,453.53 3,561.58 3,957.31 278.30	743.45
23 05 23 00-0260 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves (23 05 23 00-0232)				
23 05 23 00-0261	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.80 8.96 10.98 15.89 11.67	12.06
23 05 23 00-0262	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.01 8.96 10.98 15.89 10.54	12.06
23 05 23 00-0263	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.86 8.96 10.98 15.89 11.09	12.06
23 05 23 00-0264	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.73 9.55 11.71 16.95 11.67	12.06
23 05 23 00-0265	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.18 13.25 16.24 23.51 15.73	12.66
23 05 23 00-0266	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.56 17.38 21.31 30.84 19.04	12.66
23 05 23 00-0267	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.72 25.83 31.66 45.82 24.12	16.05
23 05 23 00-0268	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.91 30.11 36.91 53.42 27.83	18.57
23 05 23 00-0269	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.94 45.35 55.59 80.46 32.90	21.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0270 EA 2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve..... For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	424.71 81.81 100.28 145.14 48.25	32.20
23 05 23 00-0271 EA 3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve..... For 150 Lb. Rating, Add For 200 Lb. Rating, Add For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	632.46 138.54 169.82 245.80 55.67	37.39
23 05 23 00-0272 Flanged, 125 Lb., Iron Body, Angle Globe Valves (23 05 23 00-0232)		
23 05 23 00-0273 EA 2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,541.05 804.02 522.61 60.31	160.78
23 05 23 00-0274 EA 2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	1,786.76 950.89 618.08 60.58	161.04
23 05 23 00-0275 EA 3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	2,103.90 1,120.55 728.36 70.89	188.81
23 05 23 00-0276 EA 4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	3,064.11 1,600.47 1,040.31 119.00	316.53
23 05 23 00-0277 EA 5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	5,222.70 2,868.35 1,864.43 132.64	354.23
23 05 23 00-0278 EA 6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	5,274.34 2,868.35 1,864.43 148.13	393.60
23 05 23 00-0279 EA 8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve For 250 Lb. Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	9,981.29 5,613.92 3,649.05 187.43	502.93
23 05 23 00-0280 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0232) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0281 EA 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve For Work In Restricted Working Space, Add	219.93 10.54	19.54
23 05 23 00-0282 EA 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve For Work In Restricted Working Space, Add	223.72 11.67	19.54
23 05 23 00-0283 EA 3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve For Work In Restricted Working Space, Add	262.69 15.73	26.29
23 05 23 00-0284 EA 1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve For Work In Restricted Working Space, Add	324.59 19.04	31.72
23 05 23 00-0285 EA 1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... For Work In Restricted Working Space, Add	528.03 24.12	40.16
23 05 23 00-0286 EA 1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... For Work In Restricted Working Space, Add	633.66 27.83	46.43
23 05 23 00-0287 EA 2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve For Work In Restricted Working Space, Add	806.52 32.90	54.88
23 05 23 00-0288 Triple Duty Valves (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0289 Straight Pattern, Triple Duty Valves (23 05 23 00-0288) Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0290 EA 1" Diameter Threaded, Straight Pattern, Triple Duty Valve.....	321.01	12.66
23 05 23 00-0291 EA 1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	371.91	16.05
23 05 23 00-0292 EA 1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	403.77	18.57
23 05 23 00-0293 EA 2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,046.60	160.78
23 05 23 00-0294 EA 2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve.....	1,178.73	161.04
23 05 23 00-0295 EA 3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,290.85	188.81
23 05 23 00-0296 EA 4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,641.81	316.53
23 05 23 00-0297 EA 5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,090.62	354.23
23 05 23 00-0298 EA 6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,109.33	393.60
23 05 23 00-0299 EA 8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,532.99	502.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0300 EA 10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,871.20	612.26
23 05 23 00-0301 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0288)		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0302 EA 2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,022.30	160.78
23 05 23 00-0303 EA 2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,149.57	161.04
23 05 23 00-0304 EA 3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,266.55	188.81
23 05 23 00-0305 EA 4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,578.64	316.53
23 05 23 00-0306 EA 5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,012.87	354.23
23 05 23 00-0307 EA 6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,380.39	393.60
23 05 23 00-0308 EA 8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,187.95	502.93
23 05 23 00-0309 EA 10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,932.20	612.26
23 05 23 00-0310 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0288)		
Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0311 EA 3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,183.94	188.81
23 05 23 00-0312 EA 4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,359.95	316.53
23 05 23 00-0313 EA 5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,765.03	354.23
23 05 23 00-0314 EA 6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,667.10	393.60
23 05 23 00-0315 EA 8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,930.39	502.93
23 05 23 00-0316 EA 10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,865.25	612.26
23 05 23 00-0317 EA 12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,832.89	743.45
23 05 23 00-0318 EA 14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,381.39	874.65
23 05 23 00-0319 EA 16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,013.12	962.12
23 05 23 00-0320 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0288)		
Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0321 EA 2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,113.14	29.80
23 05 23 00-0322 EA 2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,326.88	35.54
23 05 23 00-0323 EA 3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,544.81	38.54
23 05 23 00-0324 EA 4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,565.46	41.54
23 05 23 00-0325 EA 5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,974.58	55.76
23 05 23 00-0326 EA 6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,965.69	71.50
23 05 23 00-0327 EA 8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,393.70	90.75
23 05 23 00-0328 EA 10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,511.65	101.68
23 05 23 00-0329 EA 12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,514.45	123.98
23 05 23 00-0330 Plug Valves (23 05 23)		
23 05 23 00-0331 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0330)		
Note: Includes wrench.		
23 05 23 00-0332 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	309.24	12.06
23 05 23 00-0333 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	322.77	13.27
23 05 23 00-0334 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	408.28	15.08
23 05 23 00-0335 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	488.66	16.05
23 05 23 00-0336 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	536.89	18.57
23 05 23 00-0337 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	633.75	21.95
23 05 23 00-0338 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	950.79	29.66
23 05 23 00-0339 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,163.90	34.43
23 05 23 00-0340 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0330)		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0341 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	757.21	160.78
23 05 23 00-0342 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	934.58	161.04
23 05 23 00-0343 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,156.90	188.81
23 05 23 00-0344 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,643.30	316.53
23 05 23 00-0345 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,819.40	393.60
23 05 23 00-0346 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,616.27	502.93
23 05 23 00-0347 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	10,749.91	612.26
23 05 23 00-0348 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	16,082.91	743.45
23 05 23 00-0349 EA 14" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench.....	26,351.26	1,056.08
23 05 23 00-0350 EA 16" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench.....	28,159.52	1,161.70
23 05 23 00-0351 EA 18" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench.....	33,933.55	1,288.43
23 05 23 00-0352 EA 20" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench.....	43,696.97	1,452.12
23 05 23 00-0353 EA 24" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench.....	54,854.86	1,782.14
23 05 23 00-0354 Plug Valves, Forged Steel, Screwed (23 05 23 00-0330)		
23 05 23 00-0355 EA 1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,195.19	12.06
23 05 23 00-0356 EA 3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,411.89	13.27
23 05 23 00-0357 EA 1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,595.99	15.08
23 05 23 00-0358 EA 1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,914.74	16.05
23 05 23 00-0359 EA 1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,229.77	18.57
23 05 23 00-0360 EA 2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,933.89	21.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0361 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0330)		
23 05 23 00-0362 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,229.34	316.53
23 05 23 00-0363 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,921.60	393.60
23 05 23 00-0364 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,615.01	502.93
23 05 23 00-0365 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,711.11	612.26
23 05 23 00-0366 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,793.48	743.45
23 05 23 00-0367 Foot Valves (23 05 23)		
23 05 23 00-0368 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0367)		
23 05 23 00-0369 EA 1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	100.33	30.17
23 05 23 00-0370 EA 1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	114.16	33.78
23 05 23 00-0371 EA 1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	146.73	38.61
23 05 23 00-0372 EA 2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	193.53	43.44
23 05 23 00-0373 EA 2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	443.22	71.18
23 05 23 00-0374 EA 3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	567.00	86.87
23 05 23 00-0375 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0367)		
23 05 23 00-0376 EA 1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	100.33	30.17
23 05 23 00-0377 EA 1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	216.94	33.78
23 05 23 00-0378 EA 1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	206.02	38.61
23 05 23 00-0379 EA 2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	280.45	43.44
23 05 23 00-0380 EA 3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	550.99	71.18
23 05 23 00-0381 EA 4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	749.87	85.67
23 05 23 00-0382 Float Valves (23 05 23)		
23 05 23 00-0383 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0382)		
23 05 23 00-0384 Single Seat, Bronze Construction (23 05 23 00-0383)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0385 EA 1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	236.47	25.33
23 05 23 00-0386 EA 3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	270.99	30.16
23 05 23 00-0387 EA 1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	352.13	32.56
23 05 23 00-0388 EA 1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	588.49	41.01
23 05 23 00-0389 EA 1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	600.55	47.04
23 05 23 00-0390 Double Seat, Bronze Construction (23 05 23 00-0383)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0391 EA 1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,276.81	25.33
23 05 23 00-0392 EA 3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,286.47	30.16
23 05 23 00-0393 EA 1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,485.16	32.56
23 05 23 00-0394 EA 1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,641.37	41.01
23 05 23 00-0395 EA 1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,876.37	47.04
23 05 23 00-0396 EA 2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,461.75	55.48
23 05 23 00-0397 EA 2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,861.99	74.41
23 05 23 00-0398 EA 3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,442.64	85.52
23 05 23 00-0399 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0382)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0400 Brass Body Threaded Ends (23 05 23 00-0399)		
23 05 23 00-0401 EA 1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	248.60	32.68
23 05 23 00-0402 EA 3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	281.09	36.31
23 05 23 00-0403 EA 1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	348.45	40.16
23 05 23 00-0404 EA 1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	556.92	64.89
23 05 23 00-0405 EA 1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	582.96	73.94
23 05 23 00-0406 EA 2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	655.91	91.66
23 05 23 00-0407 Cast Iron Body Flanged (23 05 23 00-0399)		
23 05 23 00-0408 EA 2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,037.62	161.04
23 05 23 00-0409 EA 3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,718.98	188.81
23 05 23 00-0410 Float Operated Valves (23 05 23 00-0382)		
23 05 23 00-0411 For Condensate Receivers Tanks And Vessels (23 05 23 00-0410)		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0412 EA 1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	893.48	56.69
23 05 23 00-0413 For Condensate Receivers Tanks And Vessels (23 05 23 00-0410)		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0414 EA 3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,122.81	105.51

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0415		Needle Valves ^(23 05 23)		
23 05 23 00-0416		Bronze Needle Valve ^(23 05 23 00-0415) Note: For heating and cooling applications.		
23 05 23 00-0417	EA	1/4" Diameter, Bronze, Needle Valve	122.96	12.06
23 05 23 00-0418	EA	3/8" Diameter, Bronze, Needle Valve	137.18	12.06
23 05 23 00-0419	EA	1/2" Diameter, Bronze, Needle Valve	150.10	12.06
23 05 23 00-0420	EA	3/4" Diameter, Bronze, Needle Valve	228.06	13.27
23 05 23 00-0421	EA	1" Diameter, Bronze, Needle Valve	349.95	15.08
23 05 23 00-0422		Eccentric Valves With Taps ^(23 05 23)		
23 05 23 00-0423		Screwed Eccentric Valves With Taps ^(23 05 23 00-0422)		
23 05 23 00-0424	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	270.62	12.06
23 05 23 00-0425	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	287.72	13.27
23 05 23 00-0426	EA	1" Diameter Threaded, Eccentric Valves With Taps	362.92	15.08
23 05 23 00-0427	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	440.45	16.05
23 05 23 00-0428	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	481.34	18.57
23 05 23 00-0429	EA	2" Diameter Threaded, Eccentric Valves With Taps	565.94	21.95
23 05 23 00-0430	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	853.92	29.66
23 05 23 00-0431	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,037.12	34.43
23 05 23 00-0432		Flanged Eccentric Valves With Taps ^(23 05 23 00-0422)		
23 05 23 00-0433	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,039.67	161.04
23 05 23 00-0434	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,234.45	188.81
23 05 23 00-0435	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,662.16	316.53
23 05 23 00-0436	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,224.52	354.23
23 05 23 00-0437	EA	6" Diameter Flanged, Eccentric Valves With Taps	2,810.88	393.60
23 05 23 00-0438	EA	8" Diameter Flanged, Eccentric Valves With Taps	4,813.39	502.93
23 05 23 00-0439	EA	10" Diameter Flanged, Eccentric Valves With Taps	6,736.36	612.26
23 05 23 00-0440	EA	12" Diameter Flanged, Eccentric Valves With Taps	11,532.94	743.45
23 05 23 00-0441		Emergency Shut-Off Valve With Fusible Link ^(23 05 23)		
23 05 23 00-0442		Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) ^(23 05 23 00-0441) Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0443	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	93.29	19.42
		For Work In Restricted Working Space, Add	10.54	
23 05 23 00-0444	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	95.18	20.50
		For Work In Restricted Working Space, Add	11.10	
23 05 23 00-0445	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	158.62	19.42
		For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0446	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	318.25	26.17
		For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0447	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	817.06	31.72
		For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0448		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) ^(23 05 23 00-0441) Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0449	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	613.30	18.57
23 05 23 00-0450	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	659.52	21.95
23 05 23 00-0451	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,110.66	34.43
23 05 23 00-0452		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) ^(23 05 23 00-0441) Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0453	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	785.86	160.78
23 05 23 00-0454	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,284.43	188.81
23 05 23 00-0455	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,944.97	316.53
23 05 23 00-0456		Check Valves ^(23 05 23)		
23 05 23 00-0457		Iron Body Wafer Type Check Valve ^(23 05 23 00-0456)		
23 05 23 00-0458		Single Disk Type ^(23 05 23 00-0457)		
23 05 23 00-0459	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	484.60	160.84
		For 150 Lb. Rating, Add	59.54	
		For 200 Lb. Rating, Add	70.88	
		For 300 Lb. Rating, Add	85.05	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	167.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0460	EA		2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	573.48	161.13
			For 150 Lb. Rating, Add	78.00	
			For 200 Lb. Rating, Add	92.86	
			For 300 Lb. Rating, Add	111.43	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	207.56	
23 05 23 00-0461	EA		3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	705.93	188.91
			For 150 Lb. Rating, Add	98.60	
			For 200 Lb. Rating, Add	117.38	
			For 300 Lb. Rating, Add	140.85	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	258.56	
23 05 23 00-0462	EA		4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,032.77	316.70
			For 150 Lb. Rating, Add	133.54	
			For 200 Lb. Rating, Add	158.98	
			For 300 Lb. Rating, Add	190.77	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	365.53	
23 05 23 00-0463	EA		6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,551.65	444.50
			For 150 Lb. Rating, Add	209.17	
			For 200 Lb. Rating, Add	249.01	
			For 300 Lb. Rating, Add	298.81	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	559.34	
23 05 23 00-0464	EA		8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,165.19	511.17
			For 150 Lb. Rating, Add	320.99	
			For 200 Lb. Rating, Add	382.14	
			For 300 Lb. Rating, Add	458.56	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	815.17	
23 05 23 00-0465	EA		10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,224.93	622.29
			For 150 Lb. Rating, Add	512.69	
			For 200 Lb. Rating, Add	610.35	
			For 300 Lb. Rating, Add	732.41	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,255.33	
23 05 23 00-0466 Twin Disc Type (23 05 23 00-0457)					
23 05 23 00-0467	EA		2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	679.74	160.84
			For 150 Lb. Rating, Add	100.51	
			For 200 Lb. Rating, Add	119.66	
			For 300 Lb. Rating, Add	143.59	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	255.61	
23 05 23 00-0468	EA		2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	776.47	161.13
			For 150 Lb. Rating, Add	120.63	
			For 200 Lb. Rating, Add	143.61	
			For 300 Lb. Rating, Add	172.33	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	298.90	
23 05 23 00-0469	EA		3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	906.65	188.91
			For 150 Lb. Rating, Add	140.75	
			For 200 Lb. Rating, Add	167.56	
			For 300 Lb. Rating, Add	201.07	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	348.89	
23 05 23 00-0470	EA		4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	1,248.00	316.70
			For 150 Lb. Rating, Add	178.74	
			For 200 Lb. Rating, Add	212.78	
			For 300 Lb. Rating, Add	255.34	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	462.38	
23 05 23 00-0471	EA		6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	1,928.09	444.50
			For 150 Lb. Rating, Add	288.22	
			For 200 Lb. Rating, Add	343.12	
			For 300 Lb. Rating, Add	411.74	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	728.74	
23 05 23 00-0472	EA		8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	2,730.99	511.17
			For 150 Lb. Rating, Add	440.16	
			For 200 Lb. Rating, Add	524.00	
			For 300 Lb. Rating, Add	628.80	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,070.20	
23 05 23 00-0473	EA		10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	4,097.61	611.17
			For 150 Lb. Rating, Add	697.08	
			For 200 Lb. Rating, Add	829.86	
			For 300 Lb. Rating, Add	995.83	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,649.38	
23 05 23 00-0474	EA		12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	5,389.04	755.63
			For 150 Lb. Rating, Add	933.94	
			For 200 Lb. Rating, Add	1,111.83	
			For 300 Lb. Rating, Add	1,334.20	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	2,189.64	
23 05 23 00-0475	EA		14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	10,233.62	892.63
			For 150 Lb. Rating, Add	1,899.12	
			For 200 Lb. Rating, Add	2,260.86	
			For 300 Lb. Rating, Add	2,713.04	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	4,307.59	
23 05 23 00-0476	EA		16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	14,076.44	1,047.35
			For 150 Lb. Rating, Add	2,681.12	
			For 200 Lb. Rating, Add	3,191.81	
			For 300 Lb. Rating, Add	3,830.18	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	6,007.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0477 EA 18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	18,789.32	1,166.37
For 150 Lb. Rating, Add	3,640.28	
For 200 Lb. Rating, Add	4,333.67	
For 300 Lb. Rating, Add	5,200.40	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	8,091.53	
23 05 23 00-0478 EA 20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	22,366.59	1,309.19
For 150 Lb. Rating, Add	4,353.32	
For 200 Lb. Rating, Add	5,182.53	
For 300 Lb. Rating, Add	6,219.03	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	9,655.85	
23 05 23 00-0479 EA 24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve.....	29,252.79	1,606.73
For 150 Lb. Rating, Add	5,720.12	
For 200 Lb. Rating, Add	6,809.66	
For 300 Lb. Rating, Add	8,171.60	
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	12,660.22	
23 05 23 00-0480 Lift Check Valves (23 05 23 00-0456)		
23 05 23 00-0481 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0480)		
Note: Watts #600 series.		
23 05 23 00-0482 EA 3/8" Diameter Threaded, Bronze, Lift Check Valve.....	126.50	12.06
23 05 23 00-0483 EA 1/2" Diameter Threaded, Bronze, Lift Check Valve.....	133.86	12.06
23 05 23 00-0484 EA 3/4" Diameter Threaded, Bronze, Lift Check Valve.....	170.69	12.66
23 05 23 00-0485 EA 1" Diameter Threaded, Bronze, Lift Check Valve.....	224.87	12.66
23 05 23 00-0486 EA 1-1/4" Diameter Threaded, Bronze, Lift Check Valve.....	311.74	16.05
23 05 23 00-0487 EA 1-1/2" Diameter Threaded, Bronze, Lift Check Valve.....	379.21	18.57
23 05 23 00-0488 EA 2" Diameter Threaded, Bronze, Lift Check Valve.....	540.32	21.95
23 05 23 00-0489 Bronze Body, Threaded, 300 Lb., Lift Check Valves (23 05 23 00-0480)		
Note: Crane 366E.		
23 05 23 00-0490 EA 1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	782.58	12.06
23 05 23 00-0491 EA 3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	950.62	12.66
23 05 23 00-0492 EA 1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	1,705.37	12.66
23 05 23 00-0493 EA 1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	2,272.81	16.05
23 05 23 00-0494 EA 1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	2,468.70	18.57
23 05 23 00-0495 EA 2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve.....	3,171.24	21.95
23 05 23 00-0496 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves (23 05 23 00-0480)		
Note: Mueller 105MAP.		
23 05 23 00-0497 EA 2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	1,143.74	160.78
23 05 23 00-0498 EA 2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	2,126.59	161.04
23 05 23 00-0499 EA 3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	2,311.53	188.81
23 05 23 00-0500 EA 4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	3,185.44	316.53
23 05 23 00-0501 EA 5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	4,029.56	354.23
23 05 23 00-0502 EA 6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	4,987.89	393.60
23 05 23 00-0503 EA 8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	8,850.34	502.93
23 05 23 00-0504 EA 10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	11,121.78	612.26
23 05 23 00-0505 EA 12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	18,157.87	743.45
23 05 23 00-0506 EA 14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	24,795.62	1,056.08
23 05 23 00-0507 EA 16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve.....	27,480.73	1,161.70
23 05 23 00-0508 Bronze Body Swing Check Valves (23 05 23 00-0456)		
23 05 23 00-0509 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves (23 05 23 00-0508)		
23 05 23 00-0510 EA 1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	85.91	12.06
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0511 EA 1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	82.12	12.06
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	10.54	
23 05 23 00-0512 EA 3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	83.97	12.06
For 300 Lb. Rating, Add	18.33	
For Work In Restricted Working Space, Add	11.09	
23 05 23 00-0513 EA 1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	87.75	12.06
For 300 Lb. Rating, Add	19.05	
For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0514 EA 3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	111.62	12.66
For 300 Lb. Rating, Add	23.08	
For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0515 EA 1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	143.84	12.66
For 300 Lb. Rating, Add	31.34	
For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0516 EA 1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	193.21	16.05
For 300 Lb. Rating, Add	43.99	
For Work In Restricted Working Space, Add	24.12	
23 05 23 00-0517 EA 1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve.....	250.75	18.57
For 300 Lb. Rating, Add	61.61	
For Work In Restricted Working Space, Add	27.83	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0518	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	312.74	21.95
		For 300 Lb. Rating, Add	79.21	
		For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0519	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	614.96	29.66
		For 300 Lb. Rating, Add	182.08	
		For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0520	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	834.88	34.43
		For 300 Lb. Rating, Add	258.96	
		For Work In Restricted Working Space, Add	51.26	
23 05 23 00-0521	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	945.76	38.87
		For 300 Lb. Rating, Add	293.05	
		For Work In Restricted Working Space, Add	58.31	
23 05 23 00-0522		125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0456)		
23 05 23 00-0523	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	662.49	90.46
		For 150 Lb. Rating, Add	373.12	
		For 250 Lb. Rating, Add	713.31	
		For Work In Restricted Working Space, Add	34.14	
23 05 23 00-0524	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	735.61	105.53
		For 150 Lb. Rating, Add	411.07	
		For 250 Lb. Rating, Add	785.86	
		For Work In Restricted Working Space, Add	39.33	
23 05 23 00-0525	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	814.35	126.64
		For 150 Lb. Rating, Add	445.84	
		For 250 Lb. Rating, Add	852.35	
		For Work In Restricted Working Space, Add	47.61	
23 05 23 00-0526	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,015.33	160.78
		For 150 Lb. Rating, Add	553.73	
		For 250 Lb. Rating, Add	1,058.60	
		For Work In Restricted Working Space, Add	60.31	
23 05 23 00-0527	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,152.30	161.04
		For 150 Lb. Rating, Add	646.24	
		For 250 Lb. Rating, Add	1,235.47	
		For Work In Restricted Working Space, Add	60.58	
23 05 23 00-0528	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,269.06	188.81
		For 150 Lb. Rating, Add	702.27	
		For 250 Lb. Rating, Add	1,342.58	
		For Work In Restricted Working Space, Add	70.89	
23 05 23 00-0529	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,992.71	316.53
		For 150 Lb. Rating, Add	1,085.31	
		For 250 Lb. Rating, Add	2,074.87	
		For Work In Restricted Working Space, Add	119.00	
23 05 23 00-0530	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,785.44	354.23
		For 150 Lb. Rating, Add	1,593.46	
		For 250 Lb. Rating, Add	3,046.32	
		For Work In Restricted Working Space, Add	132.64	
23 05 23 00-0531	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,210.73	393.60
		For 150 Lb. Rating, Add	1,847.54	
		For 250 Lb. Rating, Add	3,532.06	
		For Work In Restricted Working Space, Add	148.13	
23 05 23 00-0532	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,408.03	502.93
		For 150 Lb. Rating, Add	4,612.63	
		For 250 Lb. Rating, Add	8,818.26	
		For Work In Restricted Working Space, Add	187.43	
23 05 23 00-0533	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	9,998.81	612.26
		For 150 Lb. Rating, Add	6,278.77	
		For 250 Lb. Rating, Add	12,003.54	
		For Work In Restricted Working Space, Add	229.60	
23 05 23 00-0534	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,326.84	743.45
		For 150 Lb. Rating, Add	9,791.44	
		For 250 Lb. Rating, Add	18,718.93	
		For Work In Restricted Working Space, Add	278.30	
23 05 23 00-0535	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,621.95	1,056.08
		For 150 Lb. Rating, Add	11,085.25	
		For 250 Lb. Rating, Add	21,192.39	
		For Work In Restricted Working Space, Add	396.03	
23 05 23 00-0536	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,195.64	1,161.70
		For 150 Lb. Rating, Add	16,145.59	
		For 250 Lb. Rating, Add	30,866.58	
		For Work In Restricted Working Space, Add	435.64	
23 05 23 00-0537	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	38,928.68	1,288.43
		For 150 Lb. Rating, Add	25,376.34	
		For 250 Lb. Rating, Add	48,513.58	
		For Work In Restricted Working Space, Add	483.16	
23 05 23 00-0538	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,755.74	1,452.12
		For 150 Lb. Rating, Add	35,319.60	
		For 250 Lb. Rating, Add	67,522.77	
		For Work In Restricted Working Space, Add	544.55	
23 05 23 00-0539	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	74,941.25	1,782.14
		For 150 Lb. Rating, Add	49,445.23	
		For 250 Lb. Rating, Add	94,527.64	
		For Work In Restricted Working Space, Add	668.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0540 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0456)				
Note: 800 PSIG at 850 Degrees F.				
23 05 23 00-0541	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve.....	201.68	12.06
For Work In Restricted Working Space, Add			11.67	
23 05 23 00-0542	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve.....	237.25	13.27
For Work In Restricted Working Space, Add			15.73	
23 05 23 00-0543	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve.....	280.51	15.08
For Work In Restricted Working Space, Add			19.04	
23 05 23 00-0544	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	435.34	16.05
For Work In Restricted Working Space, Add			24.12	
23 05 23 00-0545	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	516.67	18.57
For Work In Restricted Working Space, Add			27.83	
23 05 23 00-0546	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve.....	699.70	21.95
For Work In Restricted Working Space, Add			32.90	
23 05 23 00-0547 Plastic Check Valve (23 05 23 00-0456)				
23 05 23 00-0548 Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0547)				
23 05 23 00-0549 Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0548)				
23 05 23 00-0550	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	96.93	12.06
23 05 23 00-0551	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	114.74	13.27
23 05 23 00-0552	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	131.86	15.08
23 05 23 00-0553	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	187.90	16.05
23 05 23 00-0554	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	209.23	18.57
23 05 23 00-0555	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	347.25	20.21
23 05 23 00-0556	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	435.73	29.66
23 05 23 00-0557	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	477.42	34.43
23 05 23 00-0558	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve.....	695.98	38.87
23 05 23 00-0559	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	666.27	188.81
23 05 23 00-0560 Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0548)				
23 05 23 00-0561 Valves (23 05 23 00-0560)				
23 05 23 00-0562	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	73.74	12.06
23 05 23 00-0563	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	92.25	13.27
23 05 23 00-0564	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	113.24	15.08
23 05 23 00-0565	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	146.76	16.05
23 05 23 00-0566	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	172.40	18.57
23 05 23 00-0567	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	253.97	21.95
23 05 23 00-0568	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	415.16	29.66
23 05 23 00-0569	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	706.66	34.43
23 05 23 00-0570 Foot Valve Screen (23 05 23 00-0560)				
Note: For use with PVC true union ball check valves above.				
23 05 23 00-0571	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0572	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0573	EA	1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0574	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0575	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0576	EA	2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0577	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0578	EA	3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0579	EA	4" Diameter, Foot Valve Screen Option	261.13	
23 05 23 00-0580 Hayward "True Check" With VITON Seals (23 05 23 00-0560)				
23 05 23 00-0581	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	66.64	12.06
23 05 23 00-0582	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	68.49	12.06
23 05 23 00-0583	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	74.57	12.06
23 05 23 00-0584	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	92.17	13.27
23 05 23 00-0585	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	114.41	15.08
23 05 23 00-0586	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	146.68	16.05
23 05 23 00-0587	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	177.38	18.57
23 05 23 00-0588	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	222.45	21.95
23 05 23 00-0589	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	410.18	29.66
23 05 23 00-0590	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	449.55	34.43
23 05 23 00-0591	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	709.42	38.87
23 05 23 00-0592 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0560)				
23 05 23 00-0593	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	70.43	12.06
23 05 23 00-0594	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	88.10	13.27
23 05 23 00-0595	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	108.77	15.08
23 05 23 00-0596	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	140.54	16.05
23 05 23 00-0597	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	166.10	18.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0598 EA 2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	212.50	21.95
23 05 23 00-0599 EA 2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	395.25	29.66
23 05 23 00-0600 EA 3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	437.11	34.43
23 05 23 00-0601 EA 4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	690.34	38.87
23 05 23 00-0602 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged (23 05 23 00-0548)		
23 05 23 00-0603 EA 1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	348.28	72.37
23 05 23 00-0604 EA 1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve.....	379.50	84.43
23 05 23 00-0605 EA 1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	417.13	105.53
23 05 23 00-0606 EA 2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	508.62	132.67
23 05 23 00-0607 EA 2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	612.51	133.35
23 05 23 00-0608 EA 3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	836.22	155.57
23 05 23 00-0609 EA 4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,156.48	263.91
23 05 23 00-0610 EA 6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,900.47	444.50
23 05 23 00-0611 Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0547)		
23 05 23 00-0612 EA 1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	64.84	12.06
For Work In Restricted Working Space, Add	11.67	
23 05 23 00-0613 EA 3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	78.37	13.27
For Work In Restricted Working Space, Add	15.73	
23 05 23 00-0614 EA 1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	90.43	15.08
For Work In Restricted Working Space, Add	19.04	
23 05 23 00-0615 EA 1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	108.48	16.05
For Work In Restricted Working Space, Add	24.12	
23 05 23 00-0616 EA 1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	122.47	18.57
For Work In Restricted Working Space, Add	27.83	
23 05 23 00-0617 EA 2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	155.81	21.95
For Work In Restricted Working Space, Add	32.90	
23 05 23 00-0618 EA 2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	213.81	29.66
For Work In Restricted Working Space, Add	44.43	
23 05 23 00-0619 EA 3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve.....	256.15	34.43
For Work In Restricted Working Space, Add	51.26	
23 05 23 00-0620 Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0547)		
23 05 23 00-0621 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0620)		
23 05 23 00-0622 EA 3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	661.14	155.49
For Work In Restricted Working Space, Add	59.50	
23 05 23 00-0623 EA 4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	844.21	263.77
For Work In Restricted Working Space, Add	98.00	
23 05 23 00-0624 EA 6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,360.87	327.99
For Work In Restricted Working Space, Add	135.06	
23 05 23 00-0625 EA 8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,812.04	415.46
For Work In Restricted Working Space, Add	153.06	
23 05 23 00-0626 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0620)		
23 05 23 00-0627 EA 3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals.....	780.57	155.49
For Work In Restricted Working Space, Add	59.50	
23 05 23 00-0628 EA 4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals.....	1,107.95	263.77
For Work In Restricted Working Space, Add	98.00	
23 05 23 00-0629 EA 6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals.....	1,610.69	327.99
For Work In Restricted Working Space, Add	135.06	
23 05 23 00-0630 EA 8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals.....	2,110.62	415.46
For Work In Restricted Working Space, Add	153.06	
23 05 23 00-0631 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0620)		
23 05 23 00-0632 EA 3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	812.09	155.49
For Work In Restricted Working Space, Add	59.50	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0633	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,110.44 98.00	263.77
23 05 23 00-0634	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,500.21 135.06	327.99
23 05 23 00-0635	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights <i>For Work In Restricted Working Space, Add</i>	1,926.83 153.06	415.46
23 05 23 00-0636 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0620)				
23 05 23 00-0637	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	911.61 59.50	155.49
23 05 23 00-0638	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,255.59 98.00	263.77
23 05 23 00-0639	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,707.56 135.06	327.99
23 05 23 00-0640	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	2,175.65 153.06	415.46
23 05 23 00-0641 Diaphragm Valves (23 05 23)				
23 05 23 00-0642 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0641)				
23 05 23 00-0643	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	298.10	36.09
23 05 23 00-0644	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	383.24	39.98
23 05 23 00-0645	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	414.49	49.43
23 05 23 00-0646	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	658.79	73.86
23 05 23 00-0647	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,066.07	88.85
23 05 23 00-0648 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0641)				
23 05 23 00-0649	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	478.79	57.89
23 05 23 00-0650	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	562.21	60.31
23 05 23 00-0651	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	656.18	90.46
23 05 23 00-0652	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,002.38	126.64
23 05 23 00-0653	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,630.16	160.78
23 05 23 00-0654	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,119.70	161.04
23 05 23 00-0655	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,642.59	188.81
23 05 23 00-0656	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,699.92	316.53
23 05 23 00-0657	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,894.26	393.60
23 05 23 00-0658	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,360.13	502.93
23 05 23 00-0659 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0641)				
23 05 23 00-0660	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	180.47	36.09
23 05 23 00-0661	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	237.74	39.98
23 05 23 00-0662	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	268.99	49.43
23 05 23 00-0663	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	460.66	73.86
23 05 23 00-0664	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	604.83	88.85
23 05 23 00-0665 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0641)				
23 05 23 00-0666	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	309.12	57.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0667 EA 3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	359.94	60.31
23 05 23 00-0668 EA 1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	453.87	90.46
23 05 23 00-0669 EA 1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	726.91	126.64
23 05 23 00-0670 EA 2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	988.75	160.78
23 05 23 00-0671 EA 2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,228.97	161.04
23 05 23 00-0672 EA 3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,501.88	188.81
23 05 23 00-0673 EA 4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,355.28	316.53
23 05 23 00-0674 EA 6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,881.77	393.60
23 05 23 00-0675 EA 8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,582.06	502.93
23 05 23 00-0676 125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0641)		
23 05 23 00-0677 EA 1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	595.24	90.46
23 05 23 00-0678 EA 1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	980.00	126.64
23 05 23 00-0679 EA 2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,326.75	160.78
23 05 23 00-0680 EA 2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,957.77	161.04
23 05 23 00-0681 EA 3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,154.97	188.81
23 05 23 00-0682 EA 4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,363.16	316.53
23 05 23 00-0683 EA 6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,936.50	393.60
23 05 23 00-0684 EA 8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,657.12	502.93
23 05 23 00-0685 Plastic Diaphragm Valves (23 05 23 00-0641)		
23 05 23 00-0686 Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0685)		
23 05 23 00-0687 EA 1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	193.21	36.09
23 05 23 00-0688 EA 3/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	215.90	39.87
23 05 23 00-0689 EA 1" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	272.91	49.43
23 05 23 00-0690 EA 1-1/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	394.79	63.86
23 05 23 00-0691 EA 1-1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	416.74	73.97
23 05 23 00-0692 EA 2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	489.50	88.85
23 05 23 00-0693 Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0685)		
23 05 23 00-0694 EA 1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	269.52	36.09
23 05 23 00-0695 EA 3/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	293.87	39.87
23 05 23 00-0696 EA 1" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	374.10	49.43
23 05 23 00-0697 EA 1-1/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	484.36	63.86
23 05 23 00-0698 EA 1-1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	542.80	73.97
23 05 23 00-0699 EA 2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	592.35	88.85
23 05 23 00-0700 Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0685)		
23 05 23 00-0701 Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0700)		
23 05 23 00-0702 EA 1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	136.62	36.09
23 05 23 00-0703 EA 3/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	152.95	39.98
23 05 23 00-0704 EA 1" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	190.11	49.43
23 05 23 00-0705 EA 1-1/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	267.09	63.86
23 05 23 00-0706 EA 1-1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	287.08	73.86
23 05 23 00-0707 EA 2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	342.87	88.85
23 05 23 00-0708 Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0700)		
23 05 23 00-0709 EA 1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	136.62	36.09
23 05 23 00-0710 EA 3/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	152.95	39.98
23 05 23 00-0711 EA 1" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	190.41	49.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0712	EA	1-1/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	267.09	63.86	
23 05 23 00-0713	EA	1-1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	287.08	73.86	
23 05 23 00-0714	EA	2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	342.87	88.85	
23 05 23 00-0715		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0685)			
23 05 23 00-0716		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0715)			
23 05 23 00-0717	EA	1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	123.71	36.09	
23 05 23 00-0718	EA	3/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	137.98	39.98	
23 05 23 00-0719	EA	1" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	171.83	49.43	
23 05 23 00-0720	EA	1-1/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	239.22	63.86	
23 05 23 00-0721	EA	1-1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	259.21	73.86	
23 05 23 00-0722	EA	2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	309.85	88.85	
23 05 23 00-0723		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0715)			
23 05 23 00-0724	EA	1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	123.71	36.09	
23 05 23 00-0725	EA	3/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	137.98	39.98	
23 05 23 00-0726	EA	1" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	171.83	49.43	
23 05 23 00-0727	EA	1-1/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	239.22	63.86	
23 05 23 00-0728	EA	1-1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	259.21	73.86	
23 05 23 00-0729	EA	2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	309.85	88.85	
23 05 23 00-0730		Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0685)			
23 05 23 00-0731		Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0730)			
23 05 23 00-0732	EA	1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	155.93	36.09	
23 05 23 00-0733	EA	3/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	169.05	39.98	
23 05 23 00-0734	EA	1" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	229.97	49.43	
23 05 23 00-0735	EA	1-1/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	306.34	63.86	
23 05 23 00-0736	EA	1-1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	326.33	73.86	
23 05 23 00-0737	EA	2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	395.54	88.85	
23 05 23 00-0738		Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0730)			
23 05 23 00-0739	EA	1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	155.93	36.09	
23 05 23 00-0740	EA	3/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	169.05	39.98	
23 05 23 00-0741	EA	1" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	229.97	49.43	
23 05 23 00-0742	EA	1-1/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	306.31	63.86	
23 05 23 00-0743	EA	1-1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	326.33	73.86	
23 05 23 00-0744	EA	2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	395.54	88.85	
23 05 23 00-0745		Solenoid Valves (23 05 23)			
23 05 23 00-0746		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0745)			
23 05 23 00-0747	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	141.88	12.06	
23 05 23 00-0748	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	164.79	12.06	
23 05 23 00-0749	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	210.75	13.27	
23 05 23 00-0750	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	311.43	15.08	
23 05 23 00-0751	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	550.53	18.57	
23 05 23 00-0752	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	864.36	21.95	
23 05 23 00-0753	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,177.38	29.66	
23 05 23 00-0754	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water.....	1,710.84	34.43	
23 05 23 00-0755		Flow Control Valves And Meters (23 05 23)			



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

General-Duty Valves For HVAC Piping 23 05 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0756	Conditioned Water Balancing Valves (23 05 23 00-0755) Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.	
23 05 23 00-0757 EA 1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	180.31	61.54
23 05 23 00-0758 EA 3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	215.60	82.05
23 05 23 00-0759 EA 1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,420.57	93.75
23 05 23 00-0760 EA 1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,528.53	115.84
23 05 23 00-0761 EA 1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,636.70	123.08
23 05 23 00-0762 EA 2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,750.19	140.69
23 05 23 00-0763 EA 2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	3,108.15	244.92
23 05 23 00-0764 EA 3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,993.66	279.92
23 05 23 00-0765 EA 3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	3,367.68	188.91
23 05 23 00-0766 EA 4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	4,657.17	316.70
23 05 23 00-0767 EA 6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	7,293.77	400.04
23 05 23 00-0768 EA 8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	9,851.13	511.17
23 05 23 00-0769 EA 10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	14,101.86	622.29
23 05 23 00-0770	Read Out Meters (23 05 23 00-0755) Note: For use with conditioned portable water balancing valves.	
23 05 23 00-0771 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,402.49	
23 05 23 00-0772 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,897.99	
23 05 23 00-0773 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,897.99	
23 05 23 00-0774 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,897.99	
23 05 23 00-0775	Balancing Valves (23 05 23)	
23 05 23 00-0776	Balancing Valves With Lever (23 05 23 00-0775) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.	
23 05 23 00-0777 EA 1/2" Diameter Threaded, Balancing Valve With Lever.....	434.44	38.00
23 05 23 00-0778 EA 3/4" Diameter Threaded, Balancing Valve With Lever.....	468.79	50.08
23 05 23 00-0779 EA 1" Diameter Threaded, Balancing Valve With Lever.....	668.03	57.32
23 05 23 00-0780 EA 1-1/4" Diameter Threaded, Balancing Valve With Lever.....	716.72	71.18
23 05 23 00-0781 EA 1-1/2" Diameter Threaded, Balancing Valve With Lever.....	752.43	75.41
23 05 23 00-0782 EA 2" Diameter Threaded, Balancing Valve With Lever.....	925.64	86.27
23 05 23 00-0783 EA 2-1/2" Diameter Flanged, Balancing Valve With Lever.....	1,245.91	161.13
23 05 23 00-0784 EA 3" Diameter Flanged, Balancing Valve With Lever.....	1,245.89	188.91
23 05 23 00-0785 EA 4" Diameter Flanged, Balancing Valve With Lever.....	1,543.99	316.70
23 05 23 00-0786 EA 5" Diameter Flanged, Balancing Valve With Lever.....	4,700.05	360.04
23 05 23 00-0787 EA 6" Diameter Flanged, Balancing Valve With Lever.....	2,279.88	400.04
23 05 23 00-0788 EA 8" Diameter Flanged, Balancing Valve With Lever.....	3,019.70	511.17
23 05 23 00-0789	Balancing Valves With Nut (23 05 23 00-0775) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.	
23 05 23 00-0790 EA 4" Diameter Flanged, Balancing Valve With Nut.....	1,543.99	316.70
23 05 23 00-0791 EA 5" Diameter Flanged, Balancing Valve With Nut.....	4,700.05	360.04
23 05 23 00-0792 EA 6" Diameter Flanged, Balancing Valve With Nut.....	2,279.88	400.04
23 05 23 00-0793 EA 8" Diameter Flanged, Balancing Valve With Nut.....	3,019.70	511.17
23 05 23 00-0794	Balancing Valves With Hand Wheel (23 05 23 00-0775) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.	
23 05 23 00-0795 EA 4" Diameter Flanged, Balancing Valve With Hand Wheel.....	2,123.92	316.70
23 05 23 00-0796 EA 5" Diameter Flanged, Balancing Valve With Hand Wheel.....	5,313.12	360.04
23 05 23 00-0797 EA 6" Diameter Flanged, Balancing Valve With Hand Wheel.....	2,894.22	400.04
23 05 23 00-0798 EA 8" Diameter Flanged, Balancing Valve With Hand Wheel.....	4,109.46	511.17
23 05 23 00-0799 EA 10" Diameter Flanged, Balancing Valve With Hand Wheel.....	6,351.56	622.29
23 05 23 00-0800 EA 12" Diameter Flanged, Balancing Valve With Hand Wheel.....	8,322.09	504.99
23 05 23 00-0801 EA 14" Diameter Flanged, Balancing Valve With Hand Wheel.....	10,899.86	952.14
23 05 23 00-0802	Balancing Valves With Chain Wheel (23 05 23 00-0775) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.	
23 05 23 00-0803 EA 4" Diameter Flanged, Balancing Valve With Chain Wheel.....	2,456.58	316.70
23 05 23 00-0804 EA 5" Diameter Flanged, Balancing Valve With Chain Wheel.....	5,640.68	360.04
23 05 23 00-0805 EA 6" Diameter Flanged, Balancing Valve With Chain Wheel.....	3,220.51	400.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0806 EA 8" Diameter Flanged, Balancing Valve With Chain Wheel.....	4,510.95	511.17
23 05 23 00-0807 EA 10" Diameter Flanged, Balancing Valve With Chain Wheel.....	6,741.58	622.29
23 05 23 00-0808 EA 12" Diameter Flanged, Balancing Valve With Chain Wheel.....	9,050.17	504.63
23 05 23 00-0809 EA 14" Diameter Flanged, Balancing Valve With Chain Wheel.....	11,558.81	952.14
23 05 23 00-0810 Calibrated Balancing Valves (23 05 23 00-0775) Note: Bell & Gossett CB Series.		
23 05 23 00-0811 EA 1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S).....	149.29	12.06
23 05 23 00-0812 EA 3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S).....	175.22	13.27
23 05 23 00-0813 EA 1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S).....	198.07	15.08
23 05 23 00-0814 EA 1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S).....	277.20	16.05
23 05 23 00-0815 EA 1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S).....	325.43	18.58
23 05 23 00-0816 EA 2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S).....	437.04	21.96
23 05 23 00-0817 EA 1" Diameter Threaded, Calibrated Balancing Valve (CB-1).....	227.72	15.08
23 05 23 00-0818 EA 1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4).....	310.42	16.05
23 05 23 00-0819 EA 1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2).....	347.47	18.58
23 05 23 00-0820 EA 2" Diameter Threaded, Calibrated Balancing Valve (CB-2).....	468.01	21.96
23 05 23 00-0821 EA 2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2).....	659.04	32.21
23 05 23 00-0822 EA 3" Diameter Threaded, Calibrated Balancing Valve (CB-3).....	1,150.88	37.40
23 05 23 00-0823 EA 2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F).....	1,085.24	174.96
23 05 23 00-0824 EA 3" Diameter Flanged, Calibrated Balancing Valve (CB-3F).....	1,887.91	205.13
23 05 23 00-0825 EA 4" Diameter Flanged, Calibrated Balancing Valve (CB-4F).....	2,832.70	343.88
23 05 23 00-0826 EA 5" Diameter Flanged, Calibrated Balancing Valve (CB-5F).....	3,910.78	390.94
23 05 23 00-0827 EA 6" Diameter Flanged, Calibrated Balancing Valve (CB-6F).....	4,955.28	434.38
23 05 23 00-0828 EA 8" Diameter Flanged, Calibrated Balancing Valve (CB-8F).....	7,848.12	555.04
23 05 23 00-0829 EA 10" Diameter Flanged, Calibrated Balancing Valve (CB-10F).....	12,885.39	666.50
23 05 23 00-0830 EA 12" Diameter Flanged, Calibrated Balancing Valve (CB-12F).....	27,244.84	809.32
23 05 23 00-0831 EA 4" Diameter Grooved, Calibrated Balancing Valve (CB-4G).....	3,258.74	41.54
23 05 23 00-0832 EA 5" Diameter Grooved, Calibrated Balancing Valve (CB-5G).....	3,783.15	55.76
23 05 23 00-0833 EA 6" Diameter Grooved, Calibrated Balancing Valve (CB-6G).....	5,007.45	71.50
23 05 23 00-0834 EA 8" Diameter Grooved, Calibrated Balancing Valve (CB-8G).....	9,391.54	90.75
23 05 23 00-0835 EA 10" Diameter Grooved, Calibrated Balancing Valve (CB-10G).....	14,988.86	101.68
23 05 23 00-0836 EA 12" Diameter Grooved, Calibrated Balancing Valve (CB-12G).....	30,901.33	123.98
23 05 23 00-0837 Butterfly Valves (23 05 23) 23 05 23 00-0838 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0837) Note: With on-off handle		
23 05 23 00-0839 EA 2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	517.70	160.78
For 200 PSI, Add	152.01	
For Work In Restricted Working Space, Add	60.31	
23 05 23 00-0840 EA 2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	537.04	161.04
For 200 PSI, Add	160.85	
For Work In Restricted Working Space, Add	60.58	
23 05 23 00-0841 EA 3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	597.18	188.81
For 200 PSI, Add	173.22	
For Work In Restricted Working Space, Add	70.89	
23 05 23 00-0842 EA 4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	849.59	316.53
For 200 PSI, Add	217.41	
For Work In Restricted Working Space, Add	119.00	
23 05 23 00-0843 EA 5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	1,138.17	393.60
For 200 PSI, Add	309.32	
For Work In Restricted Working Space, Add	148.13	
23 05 23 00-0844 EA 6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	1,334.69	437.33
For 200 PSI, Add	378.25	
For Work In Restricted Working Space, Add	164.00	
23 05 23 00-0845 EA 8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	1,810.47	502.93
For 200 PSI, Add	569.15	
For Work In Restricted Working Space, Add	187.43	
23 05 23 00-0846 EA 10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	3,063.12	612.26
For 200 PSI, Add	1,102.94	
For Work In Restricted Working Space, Add	229.60	
23 05 23 00-0847 EA 12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve.....	3,855.14	743.45
For 200 PSI, Add	1,405.19	
For Work In Restricted Working Space, Add	278.30	
23 05 23 00-0848 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves (23 05 23 00-0837)		
23 05 23 00-0849 EA 2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,070.06	160.78
For Work In Restricted Working Space, Add	60.31	
23 05 23 00-0850 EA 2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,078.34	161.04
For Work In Restricted Working Space, Add	60.58	
23 05 23 00-0851 EA 3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,156.90	188.81
For Work In Restricted Working Space, Add	70.89	
23 05 23 00-0852 EA 4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,435.09	316.53
For Work In Restricted Working Space, Add	119.00	
23 05 23 00-0853 EA 5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,786.27	393.60
For Work In Restricted Working Space, Add	148.13	
23 05 23 00-0854 EA 6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve.....	1,978.90	437.33
For Work In Restricted Working Space, Add	164.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0855 EA 8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	2,480.66 187.43	502.93
23 05 23 00-0856 EA 10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	3,162.54 229.60	612.26
23 05 23 00-0857 EA 12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	4,411.18 278.30	743.45
23 05 23 00-0858 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves (23 05 23 00-0837)		
23 05 23 00-0859 EA 14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,538.60 2,238.66 396.03	990.08
23 05 23 00-0860 EA 16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,806.58 3,007.61 435.64	1,161.70
23 05 23 00-0861 EA 18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	14,026.12 4,468.55 484.04	1,293.71
23 05 23 00-0862 EA 20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	18,232.37 5,910.20 544.55	1,452.12
23 05 23 00-0863 EA 24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	24,650.45 8,069.91 670.21	1,782.14
23 05 23 00-0864 EA 30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	51,708.15 17,322.71 1,076.85	2,820.32
23 05 23 00-0865 EA 36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	65,624.85 22,009.67 1,346.06	3,845.89
23 05 23 00-0866 EA 42" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	78,258.61 25,688.06 2,070.87	5,640.64
23 05 23 00-0867 EA 48" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	94,569.64 30,814.52 2,692.13	7,050.81
23 05 23 00-0868 EA 54" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	113,863.20 36,952.56 3,365.16	8,460.97
23 05 23 00-0869 Plastic Butterfly Valves (23 05 23 00-0837)		
23 05 23 00-0870 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator (23 05 23 00-0869)		
23 05 23 00-0871 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 05 23 00-0870)		
23 05 23 00-0872 EA 1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	242.53	105.53
23 05 23 00-0873 EA 2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	278.95	132.67
23 05 23 00-0874 EA 3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	321.11	155.49
23 05 23 00-0875 EA 4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	469.04	263.77
23 05 23 00-0876 EA 6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	664.80	327.99
23 05 23 00-0877 EA 8" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	893.00	415.46
23 05 23 00-0878 EA 10" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,398.19	491.99
23 05 23 00-0879 EA 12" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,816.70	601.32
23 05 23 00-0880 Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals (23 05 23 00-0870)		
23 05 23 00-0881 EA 1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	363.25	105.53
23 05 23 00-0882 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	399.67	132.67
23 05 23 00-0883 EA 3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	464.53	155.49
23 05 23 00-0884 EA 4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	649.61	263.77
23 05 23 00-0885 EA 6" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	979.49	327.99
23 05 23 00-0886 EA 8" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	1,404.76	415.46
23 05 23 00-0887 EA 10" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	2,574.41	491.99
23 05 23 00-0888 EA 12" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	3,416.98	601.32
23 05 23 00-0889 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator (23 05 23 00-0869)		
23 05 23 00-0890 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 05 23 00-0889)		
23 05 23 00-0891 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	289.47	132.67
23 05 23 00-0892 EA 2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	297.24	133.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0893	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	328.59	155.49
23 05 23 00-0894	EA	4" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	467.46	263.77
23 05 23 00-0895	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	658.63	327.99
23 05 23 00-0896	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	978.60	415.46
23 05 23 00-0897	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,529.46	491.99
23 05 23 00-0898	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,963.90	601.32
23 05 23 00-0899		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals (23 05 23 00-0899)		
23 05 23 00-0900	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	351.17	54.88
23 05 23 00-0901	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	384.78	66.34
23 05 23 00-0902	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	404.39	73.97
23 05 23 00-0903	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	472.84	85.41
23 05 23 00-0904	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	758.83	138.83
23 05 23 00-0905	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	1,620.23	222.13
23 05 23 00-0906	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	2,407.06	246.56
23 05 23 00-0907	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	3,372.06	277.66
23 05 23 00-0908		Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator (23 05 23 00-0869)		
23 05 23 00-0909		Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals (23 05 23 00-0908)		
23 05 23 00-0910	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	957.01	132.67
23 05 23 00-0911	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	993.64	133.28
23 05 23 00-0912	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,085.12	155.49
23 05 23 00-0913	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,530.85	263.77
23 05 23 00-0914	EA	6" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	2,744.92	327.99
23 05 23 00-0915	EA	8" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	5,315.48	415.46
23 05 23 00-0916	EA	10" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	7,891.84	491.99
23 05 23 00-0917	EA	12" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	9,833.06	601.32

23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)

23 05 29 00-0001		Hangers And Supports (23 05 29)		
23 05 29 00-0002		Clevis Hangers (23 05 29 00-0001)		
23 05 29 00-0003		Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)		
		Note: Type 1.		
23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	21.75	10.00
		For Work In Restricted Working Space, Add	6.00	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	23.98	11.11
		For Work In Restricted Working Space, Add	6.67	
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	25.21	11.11
		For Work In Restricted Working Space, Add	7.01	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.13	12.01
		For Work In Restricted Working Space, Add	7.21	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.36	12.01
		For Work In Restricted Working Space, Add	7.21	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	27.47	12.22
		For Work In Restricted Working Space, Add	7.40	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	29.91	12.66
		For Work In Restricted Working Space, Add	7.62	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	31.80	13.32
		For Work In Restricted Working Space, Add	7.84	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	33.32	14.64
		For Work In Restricted Working Space, Add	8.36	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	36.45	15.55
		For Work In Restricted Working Space, Add	8.89	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	46.66	18.60
		For Work In Restricted Working Space, Add	11.16	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	56.09	22.22
		For Work In Restricted Working Space, Add	13.33	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	74.86	27.77
		For Work In Restricted Working Space, Add	16.66	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	108.49	37.77
		For Work In Restricted Working Space, Add	22.21	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	126.71	41.65
		For Work In Restricted Working Space, Add	24.99	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	156.65	46.65
		For Work In Restricted Working Space, Add	28.65	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	194.06	55.53
		For Work In Restricted Working Space, Add	33.32	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	241.92	69.42
		For Work In Restricted Working Space, Add	41.65	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	383.22 49.98	83.30
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	577.01 58.31	97.18
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)				
23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	26.42 6.00	10.00
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	28.65 6.67	11.11
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	29.98 7.01	11.11
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	31.00 7.21	12.01
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	31.60 7.21	12.01
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	32.41 7.40	12.22
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	35.94 7.62	12.66
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	37.64 7.84	13.32
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	42.26 8.89	15.55
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	46.20 8.89	15.55
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	74.15 11.16	18.60
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	91.64 13.33	22.22
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	109.51 16.66	27.77
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)				
23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	21.58 6.00	10.00
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	23.85 6.67	11.11
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	25.17 7.01	11.11
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	25.87 7.21	12.01
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.00 7.21	12.01
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.74 7.40	12.22
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	28.95 7.62	12.66
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	30.18 7.84	13.32
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	34.03 8.89	15.55
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	34.96 8.89	15.55
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)				
23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	29.68 6.67	11.11
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	30.91 7.01	11.11
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	31.57 7.21	12.01
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	32.50 7.21	12.01
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	34.69 7.40	12.22
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	37.04 7.62	12.66
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	38.80 7.84	13.32
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	46.33 8.89	15.55
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	58.43 11.16	18.60
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	71.87 13.33	22.22
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	100.76 16.66	27.77
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	140.92 22.21	37.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	158.30 24.99	41.65
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	35.79 7.40	12.22
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	38.07 7.62	12.66
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	39.96 7.84	13.32
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	44.34 8.89	15.55
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	46.66 8.89	15.55
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	58.00 11.16	18.60
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	67.83 13.33	22.22
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	89.55 16.66	27.77
23 05 29 00-0072		Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072) Note: Type 5.		
23 05 29 00-0074	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	19.77 5.26	8.76
23 05 29 00-0075	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	21.69 5.83	9.72
23 05 29 00-0076	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	23.83 6.48	10.80
23 05 29 00-0077	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	26.32 7.20	12.00
23 05 29 00-0078	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	27.65 7.56	12.60
23 05 29 00-0079	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	29.55 7.92	13.20
23 05 29 00-0080	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	33.63 8.28	13.80
23 05 29 00-0081	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	35.14 8.64	14.40
23 05 29 00-0082	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	41.62 9.72	16.20
23 05 29 00-0083		Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072) Note: Type 10.		
23 05 29 00-0084	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.25 6.67 5.25 6.44	11.11
23 05 29 00-0085	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.51 7.01 5.76 7.06	11.11
23 05 29 00-0086	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.81 7.40 5.76 7.06	12.22
23 05 29 00-0087	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.39 7.84 6.43 7.88	13.32
23 05 29 00-0088	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.88 8.89 6.43 7.88	15.55
23 05 29 00-0089	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	33.06 9.52 6.78 8.31	15.55
23 05 29 00-0090	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.33 10.25 11.02 13.50	16.66
23 05 29 00-0091	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.27 11.11 11.48 14.06	18.88
23 05 29 00-0092	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	43.55 12.16 15.40 18.88	20.27



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0093	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	47.44	22.22
		For Work In Restricted Working Space, Add	13.33	
		For 304 Stainless Steel, Add	15.40	
		For 316 Stainless Steel, Add	18.88	
23 05 29 00-0094	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	56.25	24.99
		For Work In Restricted Working Space, Add	14.99	
		For 304 Stainless Steel, Add	31.98	
		For 316 Stainless Steel, Add	39.19	
23 05 29 00-0095	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	61.90	27.77
		For Work In Restricted Working Space, Add	16.66	
		For 304 Stainless Steel, Add	32.49	
		For 316 Stainless Steel, Add	39.81	
23 05 29 00-0096	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	74.20	33.32
		For Work In Restricted Working Space, Add	19.99	
		For 304 Stainless Steel, Add	38.56	
		For 316 Stainless Steel, Add	47.25	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)				
23 05 29 00-0098	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	25.96	11.11
		For Work In Restricted Working Space, Add	6.67	
		For 304 Stainless Steel, Add	19.07	
		For 316 Stainless Steel, Add	23.38	
23 05 29 00-0099	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.12	11.11
		For Work In Restricted Working Space, Add	7.01	
		For 304 Stainless Steel, Add	19.07	
		For 316 Stainless Steel, Add	23.38	
23 05 29 00-0100	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.42	12.22
		For Work In Restricted Working Space, Add	7.40	
		For 304 Stainless Steel, Add	19.07	
		For 316 Stainless Steel, Add	23.38	
23 05 29 00-0101	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.87	13.32
		For Work In Restricted Working Space, Add	7.84	
		For 304 Stainless Steel, Add	19.07	
		For 316 Stainless Steel, Add	23.38	
23 05 29 00-0102	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	33.67	15.55
		For Work In Restricted Working Space, Add	8.89	
		For 304 Stainless Steel, Add	20.66	
		For 316 Stainless Steel, Add	25.31	
23 05 29 00-0103	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	35.78	15.55
		For Work In Restricted Working Space, Add	9.52	
		For 304 Stainless Steel, Add	20.66	
		For 316 Stainless Steel, Add	25.31	
23 05 29 00-0104	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	44.80	16.66
		For Work In Restricted Working Space, Add	10.25	
		For 304 Stainless Steel, Add	54.21	
		For 316 Stainless Steel, Add	66.44	
23 05 29 00-0105	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	50.19	18.88
		For Work In Restricted Working Space, Add	11.11	
		For 304 Stainless Steel, Add	67.17	
		For 316 Stainless Steel, Add	82.31	
23 05 29 00-0106	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	54.74	20.27
		For Work In Restricted Working Space, Add	12.16	
		For 304 Stainless Steel, Add	72.47	
		For 316 Stainless Steel, Add	88.81	
23 05 29 00-0107	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	61.72	22.22
		For Work In Restricted Working Space, Add	13.33	
		For 304 Stainless Steel, Add	88.23	
		For 316 Stainless Steel, Add	108.13	
23 05 29 00-0108	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	67.52	24.99
		For Work In Restricted Working Space, Add	14.99	
		For 304 Stainless Steel, Add	89.45	
		For 316 Stainless Steel, Add	109.63	
23 05 29 00-0109	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	80.92	27.77
		For Work In Restricted Working Space, Add	16.66	
		For 304 Stainless Steel, Add	129.49	
		For 316 Stainless Steel, Add	158.69	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)				
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)				
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	32.41	8.89
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	5.33	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	35.72	10.01
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	6.00	
23 05 29 00-0114	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	39.92	11.67
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	7.00	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	45.90	13.33
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	8.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0116	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	62.41 9.00	15.00
23 05 29 00-0117	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	56.68 10.00	16.67
23 05 29 00-0118	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	70.31 12.00	20.00
23 05 29 00-0119	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	93.69 14.00	23.34
23 05 29 00-0120	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	111.10 16.67	27.78
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)				
Note: Type 43.				
23 05 29 00-0122	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	48.84 9.05 95.22 116.69	15.69
23 05 29 00-0123	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.00 9.70 95.22 116.69	16.17
23 05 29 00-0124	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	55.29 10.34 106.18 130.13	16.90
23 05 29 00-0125	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	63.92 10.86 141.37 173.25	18.10
23 05 29 00-0126	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	67.94 12.07 141.37 173.25	20.51
23 05 29 00-0127	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	76.52 13.25 165.04 202.25	22.08
23 05 29 00-0128	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	88.46 14.48 204.97 251.19	24.13
23 05 29 00-0129	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	120.48 18.10 306.77 375.94	30.17
23 05 29 00-0130	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	152.10 24.13 365.47 447.88	41.03
23 05 29 00-0131	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	195.84 27.15 537.23 658.38	45.24
23 05 29 00-0132	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	395.69 31.13 1,488.79 1,824.50	51.88
23 05 29 00-0133	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	495.38 36.20 1,911.07 2,342.00	60.33
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)				
23 05 29 00-0135	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	47.61 9.05	15.69
23 05 29 00-0136	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	51.27 9.70	16.17
23 05 29 00-0137	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	53.83 10.34	16.90
23 05 29 00-0138	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	60.87 10.86	18.10
23 05 29 00-0139	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	67.81 12.07	20.51
23 05 29 00-0140	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	74.13 13.25	22.08
23 05 29 00-0141	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	90.02 14.48	24.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0142 EA 8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	116.76 18.10	30.17
23 05 29 00-0143 EA 10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	151.23 24.13	41.03
23 05 29 00-0144 EA 12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	193.59 27.15	45.24
23 05 29 00-0145 EA 14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	211.90 31.13	51.88
23 05 29 00-0146 EA 16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	254.88 36.20	60.33
23 05 29 00-0147 EA 18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	341.95 45.25	75.41
23 05 29 00-0148 EA 20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	422.35 54.30	90.50
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	53.35 9.05	15.69
23 05 29 00-0151 EA 2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	59.75 9.70	16.17
23 05 29 00-0152 EA 3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	62.89 10.34	16.90
23 05 29 00-0153 EA 3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	66.41 10.86	18.10
23 05 29 00-0154 EA 4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	79.41 12.07	20.51
23 05 29 00-0155 EA 5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	89.85 13.25	22.08
23 05 29 00-0156 EA 6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	104.21 14.48	24.13
23 05 29 00-0157 EA 8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	145.98 18.10	30.17
23 05 29 00-0158 EA 10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	182.73 24.13	41.03
23 05 29 00-0159 EA 12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	211.03 27.15	45.24
23 05 29 00-0160 EA 14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	295.39 31.13	51.88
23 05 29 00-0161 EA 16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	353.63 36.20	60.33
23 05 29 00-0162 EA 18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	403.40 45.25	75.41
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	53.68 9.05	15.69
23 05 29 00-0165 EA 2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	60.05 9.70	16.17
23 05 29 00-0166 EA 3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	63.38 10.34	16.90
23 05 29 00-0167 EA 3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	65.98 10.86	18.10
23 05 29 00-0168 EA 4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	82.76 12.07	20.51
23 05 29 00-0169 EA 5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	93.80 13.25	22.08
23 05 29 00-0170 EA 6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	108.92 14.48	24.13
23 05 29 00-0171 EA 8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	153.27 18.10	30.17
23 05 29 00-0172 EA 10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	191.49 24.13	41.03
23 05 29 00-0173 EA 12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	221.27 27.15	45.24
23 05 29 00-0174 EA 14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A) For Work In Restricted Working Space, Add	311.77 31.13	51.88
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001)		
Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175)		
Note: Type 4.		
23 05 29 00-0177 EA 1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140) For Work In Restricted Working Space, Add	18.75 4.32	7.20
23 05 29 00-0178 EA 3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140) For Work In Restricted Working Space, Add	18.99 4.39	7.32
23 05 29 00-0179 EA 1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140) For Work In Restricted Working Space, Add	19.26 4.46	7.44
23 05 29 00-0180 EA 1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140) For Work In Restricted Working Space, Add	20.82 4.54	7.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0181	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	21.06	7.68
		<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0182	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	22.30	7.80
		<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0183	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	23.18	8.04
		<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0184	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	24.49	8.28
		<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0185	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	28.01	8.40
		<i>For Work In Restricted Working Space, Add</i>	5.04	
23 05 29 00-0186	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	32.81	10.80
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0187	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	46.71	14.40
		<i>For Work In Restricted Working Space, Add</i>	8.64	
23 05 29 00-0188	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	63.45	18.00
		<i>For Work In Restricted Working Space, Add</i>	10.80	
23 05 29 00-0189	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	74.63	21.00
		<i>For Work In Restricted Working Space, Add</i>	12.60	
23 05 29 00-0190	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	106.82	24.00
		<i>For Work In Restricted Working Space, Add</i>	14.40	
23 05 29 00-0191	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	143.78	26.40
		<i>For Work In Restricted Working Space, Add</i>	15.84	
23 05 29 00-0192	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	228.36	28.80
		<i>For Work In Restricted Working Space, Add</i>	17.28	
23 05 29 00-0193	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	247.52	31.20
		<i>For Work In Restricted Working Space, Add</i>	18.72	
23 05 29 00-0194	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	396.99	33.60
		<i>For Work In Restricted Working Space, Add</i>	20.16	
23 05 29 00-0195	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	458.22	36.00
		<i>For Work In Restricted Working Space, Add</i>	21.60	
23 05 29 00-0196	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140).....	595.01	39.60
		<i>For Work In Restricted Working Space, Add</i>	23.76	
23 05 29 00-0197 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)				
23 05 29 00-0198	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	36.29	7.77
		<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0199	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	47.00	7.77
		<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0200	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	51.47	8.05
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0201	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	80.95	8.33
		<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0202	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	88.01	8.88
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 05 29 00-0203	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	148.95	8.88
		<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0204	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	239.84	10.00
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0205	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	303.86	11.11
		<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0206	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	330.75	13.32
		<i>For Work In Restricted Working Space, Add</i>	8.00	
23 05 29 00-0207	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,021.23	15.55
		<i>For Work In Restricted Working Space, Add</i>	9.33	
23 05 29 00-0208	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,173.51	16.66
		<i>For Work In Restricted Working Space, Add</i>	9.99	
23 05 29 00-0209	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,502.15	17.77
		<i>For Work In Restricted Working Space, Add</i>	10.66	
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)				
Note: Type 8.				
23 05 29 00-0211	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	18.76	6.67
		<i>For Work In Restricted Working Space, Add</i>	4.00	
23 05 29 00-0212	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	19.49	6.78
		<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0213	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	19.78	6.89
		<i>For Work In Restricted Working Space, Add</i>	4.13	
23 05 29 00-0214	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.26	7.00
		<i>For Work In Restricted Working Space, Add</i>	4.20	
23 05 29 00-0215	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.05	7.11
		<i>For Work In Restricted Working Space, Add</i>	4.27	
23 05 29 00-0216	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	22.57	7.22
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0217	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.50	7.44
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0218	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	24.85	7.66
		<i>For Work In Restricted Working Space, Add</i>	4.60	
23 05 29 00-0219	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	27.12	7.77
		<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0220	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373).....	33.09	10.00
		<i>For Work In Restricted Working Space, Add</i>	6.00	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0221	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	42.91 8.00	13.32
23 05 29 00-0222	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	54.34 10.00	16.66
23 05 29 00-0223	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	73.29 11.66	19.44
23 05 29 00-0224	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	95.35 13.33	22.22
23 05 29 00-0225	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	114.65 14.66	24.43
23 05 29 00-0226	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	152.29 15.99	26.66
23 05 29 00-0227	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	283.70 17.33	28.87
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)				
23 05 29 00-0229	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	31.69 4.00	6.67
23 05 29 00-0230	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	32.18 4.07	6.78
23 05 29 00-0231	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	33.48 4.13	6.89
23 05 29 00-0232	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	35.69 4.20	7.00
23 05 29 00-0233	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	40.08 4.27	7.11
23 05 29 00-0234	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	42.49 4.33	7.22
23 05 29 00-0235	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	45.89 4.46	7.44
23 05 29 00-0236	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	50.28 4.60	7.66
23 05 29 00-0237	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	67.97 6.00	10.00
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)				
Note: Type 42				
23 05 29 00-0239	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	69.35 4.63	7.77
23 05 29 00-0240	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	73.66 5.03	8.33
23 05 29 00-0241	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	80.80 5.33	8.88
23 05 29 00-0242	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	86.08 5.31	8.88
23 05 29 00-0243	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	103.95 5.99	10.00
23 05 29 00-0244	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	137.45 6.67	11.11
23 05 29 00-0245	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	142.85 8.00	13.32
23 05 29 00-0246	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	150.15 9.33	15.55
23 05 29 00-0247	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	173.71 9.99	16.66
23 05 29 00-0248	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	1,012.61 10.66	17.77
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)				
23 05 29 00-0250	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	64.17 4.63	7.77
23 05 29 00-0251	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	69.22 5.03	8.33
23 05 29 00-0252	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	119.41 5.33	8.88
23 05 29 00-0253	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	132.50 5.31	8.88
23 05 29 00-0254	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	189.54 5.99	10.00
23 05 29 00-0255	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	289.51 6.67	11.11
23 05 29 00-0256	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	387.92 8.00	13.32
23 05 29 00-0257	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	461.62 9.33	15.55
23 05 29 00-0258	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	673.16 9.99	16.66
23 05 29 00-0259	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	920.03 10.66	17.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 29 00-0260	Split Pipe Clamps And Rings (23 05 29 00-0001)				
23 05 29 00-0261	Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)				
	Note: Type 6.				
23 05 29 00-0262	EA 3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	30.85		10.20	
	For Work In Restricted Working Space, Add	6.12			
23 05 29 00-0263	EA 1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	32.67		10.80	
	For Work In Restricted Working Space, Add	6.48			
23 05 29 00-0264	EA 1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	35.61		12.00	
	For Work In Restricted Working Space, Add	7.20			
23 05 29 00-0265	EA 1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	38.26		12.60	
	For Work In Restricted Working Space, Add	7.56			
23 05 29 00-0266	EA 2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	41.22		13.20	
	For Work In Restricted Working Space, Add	7.92			
23 05 29 00-0267	EA 2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	50.18		13.80	
	For Work In Restricted Working Space, Add	8.28			
23 05 29 00-0268	EA 3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	54.86		14.40	
	For Work In Restricted Working Space, Add	8.64			
23 05 29 00-0269	EA 4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	72.16		16.20	
	For Work In Restricted Working Space, Add	9.72			
23 05 29 00-0270	EA 5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	91.70		20.40	
	For Work In Restricted Working Space, Add	12.24			
23 05 29 00-0271	EA 6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171).....	121.68		24.00	
	For Work In Restricted Working Space, Add	14.40			
23 05 29 00-0272	Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)				
	Note: Type 11.				
23 05 29 00-0273	EA 1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	20.61		8.45	
	For Work In Restricted Working Space, Add	5.17			
23 05 29 00-0274	EA 3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	21.71		8.45	
	For Work In Restricted Working Space, Add	5.40			
23 05 29 00-0275	EA 1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	23.95		10.85	
	For Work In Restricted Working Space, Add	6.03			
23 05 29 00-0276	EA 1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	25.93		10.85	
	For Work In Restricted Working Space, Add	6.35			
23 05 29 00-0277	EA 1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	28.73		10.85	
	For Work In Restricted Working Space, Add	6.58			
23 05 29 00-0278	EA 2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	33.37		12.06	
	For Work In Restricted Working Space, Add	7.24			
23 05 29 00-0279	EA 2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	43.59		12.06	
	For Work In Restricted Working Space, Add	7.54			
23 05 29 00-0280	EA 3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	48.24		13.27	
	For Work In Restricted Working Space, Add	7.87			
23 05 29 00-0281	EA 4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	51.47		14.48	
	For Work In Restricted Working Space, Add	8.62			
23 05 29 00-0282	Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)				
	Note: Type 12.				
23 05 29 00-0283	EA 1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	20.61		8.45	
	For Work In Restricted Working Space, Add	5.17			
23 05 29 00-0284	EA 3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	21.71		9.05	
	For Work In Restricted Working Space, Add	5.40			
23 05 29 00-0285	EA 1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	23.95		10.25	
	For Work In Restricted Working Space, Add	6.03			
23 05 29 00-0286	EA 1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	25.93		10.85	
	For Work In Restricted Working Space, Add	6.35			
23 05 29 00-0287	EA 1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	28.73		10.85	
	For Work In Restricted Working Space, Add	6.58			
23 05 29 00-0288	EA 2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	33.37		12.06	
	For Work In Restricted Working Space, Add	7.24			
23 05 29 00-0289	EA 2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	43.59		12.66	
	For Work In Restricted Working Space, Add	7.54			
23 05 29 00-0290	EA 3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	48.24		13.27	
	For Work In Restricted Working Space, Add	7.87			
23 05 29 00-0291	Pipe Straps (23 05 29 00-0001)				
23 05 29 00-0292	Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0291)				
23 05 29 00-0293	EA 1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	14.06		6.03	
	For Work In Restricted Working Space, Add	3.62			
23 05 29 00-0294	EA 3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	14.69		7.24	
	For Work In Restricted Working Space, Add	3.81			
23 05 29 00-0295	EA 1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	15.40		7.24	
	For Work In Restricted Working Space, Add	4.02			
23 05 29 00-0296	EA 1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	16.29		7.24	
	For Work In Restricted Working Space, Add	4.26			
23 05 29 00-0297	EA 1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	17.24		8.45	
	For Work In Restricted Working Space, Add	4.52			
23 05 29 00-0298	EA 2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	19.65		8.45	
	For Work In Restricted Working Space, Add	4.83			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0299 EA 2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	23.66	8.45
For Work In Restricted Working Space, Add	5.17	
23 05 29 00-0300 EA 3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	29.80	8.45
For Work In Restricted Working Space, Add	5.57	
23 05 29 00-0301 EA 4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	35.26	10.85
For Work In Restricted Working Space, Add	6.51	
23 05 29 00-0302 EA 6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	42.80	12.06
For Work In Restricted Working Space, Add	7.24	
23 05 29 00-0303 EA 8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	52.84	13.27
For Work In Restricted Working Space, Add	7.96	
23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	6.70	
For Work In Restricted Working Space, Add	1.81	
23 05 29 00-0306 EA 3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	7.12	
For Work In Restricted Working Space, Add	1.90	
23 05 29 00-0307 EA 1" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	8.01	
For Work In Restricted Working Space, Add	1.99	
23 05 29 00-0308 EA 1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	8.93	
For Work In Restricted Working Space, Add	2.08	
23 05 29 00-0309 EA 1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	9.61	
For Work In Restricted Working Space, Add	2.17	
23 05 29 00-0310 EA 2" Diameter Size, Two Hole Copper-Clad Pipe Strap.....	10.43	
For Work In Restricted Working Space, Add	2.35	
23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0312 EA 1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	2.90	
For Work In Restricted Working Space, Add	0.60	
23 05 29 00-0313 EA 3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.41	
For Work In Restricted Working Space, Add	0.65	
23 05 29 00-0314 EA 1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.67	
For Work In Restricted Working Space, Add	0.70	
23 05 29 00-0315 EA 1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.96	
For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0316 EA 1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.25	
For Work In Restricted Working Space, Add	0.82	
23 05 29 00-0317 EA 2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.74	
For Work In Restricted Working Space, Add	0.91	
23 05 29 00-0318 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) (23 05 29 00-0291)		
Note: Designed for supporting pipe runs from strut supports.		
23 05 29 00-0319 EA 1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN).....	47.37	19.30
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	11.58	
23 05 29 00-0320 EA 3/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN).....	51.38	21.11
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	12.67	
23 05 29 00-0321 EA 1" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN).....	55.52	22.92
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	13.75	
23 05 29 00-0322 EA 1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN).....	59.71	24.72
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	14.84	
23 05 29 00-0323 EA 1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN).....	64.74	26.53
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	15.92	
23 05 29 00-0324 EA 2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN).....	73.74	28.95
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	17.37	
23 05 29 00-0325 EA 2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN).....	81.48	31.96
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	19.18	
23 05 29 00-0326 EA 3" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN).....	89.42	35.58
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	21.35	
23 05 29 00-0327 EA 3-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN).....	90.11	35.58
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	21.35	
23 05 29 00-0328 EA 4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN).....	104.74	41.61
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	24.97	
23 05 29 00-0329 EA 5" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN).....	124.46	48.25
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	28.59	
23 05 29 00-0330 EA 6" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN).....	140.06	53.67
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	32.20	
23 05 29 00-0331 EA 8" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN).....	169.28	65.13
Note: Designed for supporting pipe runs from strut supports.		
For Work In Restricted Working Space, Add	39.08	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0332	EA	10" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN).....	200.73	75.99
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	45.59	
23 05 29 00-0333	EA	12" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN).....	227.36	84.43
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	50.66	
23 05 29 00-0334 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) (23 05 29 00-0291)				
23 05 29 00-0335	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4).....	64.39	19.30
		For Work In Restricted Working Space, Add	11.58	
23 05 29 00-0336	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4).....	69.13	21.71
		For Work In Restricted Working Space, Add	12.67	
23 05 29 00-0337	EA	1" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4).....	72.80	22.92
		For Work In Restricted Working Space, Add	13.75	
23 05 29 00-0338	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4)	83.64	25.33
		For Work In Restricted Working Space, Add	14.84	
23 05 29 00-0339	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4)	83.42	26.53
		For Work In Restricted Working Space, Add	15.92	
23 05 29 00-0340	EA	2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4).....	101.78	28.95
		For Work In Restricted Working Space, Add	17.37	
23 05 29 00-0341	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4)	96.73	26.53
		For Work In Restricted Working Space, Add	15.56	
23 05 29 00-0342	EA	3" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4).....	118.00	36.19
		For Work In Restricted Working Space, Add	21.35	
23 05 29 00-0343	EA	3-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4)	130.20	38.59
		For Work In Restricted Working Space, Add	23.16	
23 05 29 00-0344	EA	4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4).....	145.26	42.22
		For Work In Restricted Working Space, Add	24.97	
23 05 29 00-0345	EA	5" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4).....	185.39	48.25
		For Work In Restricted Working Space, Add	28.59	
23 05 29 00-0346	EA	6" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4).....	203.68	54.28
		For Work In Restricted Working Space, Add	32.20	
23 05 29 00-0347	EA	8" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4).....	253.66	65.13
		For Work In Restricted Working Space, Add	39.08	
23 05 29 00-0348	EA	10" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4).....	294.41	75.99
		For Work In Restricted Working Space, Add	45.59	
23 05 29 00-0349	EA	12" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4).....	517.40	84.43
		For Work In Restricted Working Space, Add	50.66	
23 05 29 00-0350	EA	14" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4).....	388.71	92.87
		For Work In Restricted Working Space, Add	55.73	
23 05 29 00-0351 Pipe and Equipment Support Brackets (23 05 29 00-0001)				
23 05 29 00-0352 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0351)				
		Note: Up to 750# load.		
23 05 29 00-0353	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	116.29	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	17.93	
23 05 29 00-0354	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	117.93	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	18.25	
23 05 29 00-0355	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	124.41	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	19.55	
23 05 29 00-0356 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0351)				
		Note: Up to 1500# load.		
23 05 29 00-0357	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	274.67	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	49.60	
23 05 29 00-0358	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	321.30	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	58.93	
23 05 29 00-0359	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	416.37	13.32
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized, Add	77.94	
23 05 29 00-0360 Pipe Alignment Guide (23 05 29 00-0001)				
23 05 29 00-0361 Pipe Alignment Guide, 1" Insulation (23 05 29 00-0360)				
23 05 29 00-0362	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	455.01	21.10
23 05 29 00-0363	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	456.11	21.66
23 05 29 00-0364	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	457.22	22.22
23 05 29 00-0365	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	458.34	22.77
23 05 29 00-0366	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	499.66	23.32
23 05 29 00-0367	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	510.35	25.55
23 05 29 00-0368	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	512.01	26.38



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0369	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	513.68	27.21
23 05 29 00-0370	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	543.70	28.87
23 05 29 00-0371	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	634.96	36.65
23 05 29 00-0372	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	650.50	44.42
23 05 29 00-0373	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	734.86	55.53
23 05 29 00-0374	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,347.56	66.64
23 05 29 00-0375	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,046.96	88.85
23 05 29 00-0376	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	2,519.45	111.06
23 05 29 00-0377	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,028.60	124.39
23 05 29 00-0378	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	3,268.04	138.83
23 05 29 00-0379	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	3,476.66	158.83
23 05 29 00-0380	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	4,370.07	166.60
23 05 29 00-0381 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0360)				
23 05 29 00-0382	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	456.11	21.66
23 05 29 00-0383	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	497.43	22.22
23 05 29 00-0384	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	498.55	22.77
23 05 29 00-0385	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	499.66	23.32
23 05 29 00-0386	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	500.77	23.88
23 05 29 00-0387	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	511.46	26.10
23 05 29 00-0388	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	513.13	26.93
23 05 29 00-0389	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	541.47	27.77
23 05 29 00-0390	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	544.80	29.44
23 05 29 00-0391	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	636.62	37.48
23 05 29 00-0392	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	652.72	45.54
23 05 29 00-0393	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	737.64	56.92
23 05 29 00-0394	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,350.89	68.30
23 05 29 00-0395	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	2,051.41	91.07
23 05 29 00-0396	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	2,525.00	113.84
23 05 29 00-0397	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	3,035.26	127.73
23 05 29 00-0398	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	3,274.71	142.16
23 05 29 00-0399	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	3,484.44	162.71
23 05 29 00-0400	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	4,378.40	170.76
23 05 29 00-0401 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0360)				
23 05 29 00-0402	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	497.43	22.22
23 05 29 00-0403	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	504.80	22.77
23 05 29 00-0404	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	505.91	23.32
23 05 29 00-0405	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	507.02	23.88
23 05 29 00-0406	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	508.12	24.43
23 05 29 00-0407	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	539.25	26.66
23 05 29 00-0408	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	541.47	27.77
23 05 29 00-0409	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	542.86	28.46
23 05 29 00-0410	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	621.62	29.99
23 05 29 00-0411	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	638.29	38.32
23 05 29 00-0412	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	717.10	46.65
23 05 29 00-0413	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	809.26	58.31
23 05 29 00-0414	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,354.22	69.97
23 05 29 00-0415	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	2,055.85	93.30
23 05 29 00-0416	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	2,530.56	116.62
23 05 29 00-0417	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	3,041.67	130.93
23 05 29 00-0418	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	3,281.93	145.77
23 05 29 00-0419	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	3,492.21	166.60
23 05 29 00-0420	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	4,386.73	174.93
23 05 29 00-0421 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0360)				
23 05 29 00-0422	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	504.80	22.77
23 05 29 00-0423	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	532.59	23.32
23 05 29 00-0424	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	533.70	23.88
23 05 29 00-0425	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	534.80	24.43
23 05 29 00-0426	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	535.92	24.99
23 05 29 00-0427	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	540.36	27.21
23 05 29 00-0428	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	542.86	28.46
23 05 29 00-0429	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	619.96	29.15
23 05 29 00-0430	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	622.74	30.54
23 05 29 00-0431	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	701.55	38.87
23 05 29 00-0432	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	719.31	47.76
23 05 29 00-0433	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,333.68	59.70
23 05 29 00-0434	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	2,012.54	71.63
23 05 29 00-0435	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	2,488.35	95.51
23 05 29 00-0436	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	2,536.54	119.40
23 05 29 00-0437	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	3,048.59	134.38
23 05 29 00-0438	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	3,289.14	149.38
23 05 29 00-0439	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	3,500.54	170.76
23 05 29 00-0440	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	4,395.62	179.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0441 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0360)				
23 05 29 00-0442	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	532.59	23.32
23 05 29 00-0443	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	533.70	23.88
23 05 29 00-0444	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	534.80	24.43
23 05 29 00-0445	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	535.92	24.99
23 05 29 00-0446	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	537.03	25.55
23 05 29 00-0447	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	617.18	27.77
23 05 29 00-0448	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	619.96	29.15
23 05 29 00-0449	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	621.62	29.99
23 05 29 00-0450	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	686.44	31.32
23 05 29 00-0451	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	703.76	39.98
23 05 29 00-0452	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	790.38	48.86
23 05 29 00-0453	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,336.45	61.09
23 05 29 00-0454	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,015.86	73.31
23 05 29 00-0455	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,492.79	97.74
23 05 29 00-0456	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,542.09	122.17
23 05 29 00-0457	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,055.25	137.72
23 05 29 00-0458	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,295.81	152.71
23 05 29 00-0459	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,508.87	174.93
23 05 29 00-0460	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,404.50	183.81
23 05 29 00-0461 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0360)				
23 05 29 00-0462	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	533.70	23.88
23 05 29 00-0463	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	610.51	24.43
23 05 29 00-0464	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	611.63	24.99
23 05 29 00-0465	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	612.74	25.55
23 05 29 00-0466	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	613.85	26.10
23 05 29 00-0467	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	618.57	28.46
23 05 29 00-0468	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	621.40	29.88
23 05 29 00-0469	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	685.27	30.74
23 05 29 00-0470	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	688.21	32.21
23 05 29 00-0471	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	774.83	41.09
23 05 29 00-0472	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,314.24	49.98
23 05 29 00-0473	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,994.21	62.47
23 05 29 00-0474	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,448.02	75.14
23 05 29 00-0475	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,979.72	99.96
23 05 29 00-0476	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,030.26	125.23
23 05 29 00-0477	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,282.41	141.05
23 05 29 00-0478	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,472.22	156.60
23 05 29 00-0479	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,394.50	178.82
23 05 29 00-0480 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0360)				
23 05 29 00-0481	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	610.51	24.43
23 05 29 00-0482	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	611.63	24.99
23 05 29 00-0483	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	612.74	25.55
23 05 29 00-0484	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	613.85	26.10
23 05 29 00-0485	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	614.96	26.66
23 05 29 00-0486	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	682.11	29.15
23 05 29 00-0487	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	684.89	30.54
23 05 29 00-0488	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	686.77	31.49
23 05 29 00-0489	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	758.72	33.04
23 05 29 00-0490	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,298.69	42.21
23 05 29 00-0491	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,316.46	51.09
23 05 29 00-0492	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,996.99	63.86
23 05 29 00-0493	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,452.12	77.19
23 05 29 00-0494	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,984.72	102.46
23 05 29 00-0495	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,245.83	127.73
23 05 29 00-0496	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,447.79	144.38
23 05 29 00-0497	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,358.96	161.04
23 05 29 00-0498 Sway Bracing For No Hub Pipe (23 05 29 00-0001)				
23 05 29 00-0499	EA	1-1/2" Diameter Size, Sway Bracing	164.28	14.66
		<i>For Work In Restricted Working Space, Add</i>	8.77	
23 05 29 00-0500	EA	2" Diameter Size, Sway Bracing	169.11	15.44
		<i>For Work In Restricted Working Space, Add</i>	9.26	
23 05 29 00-0501	EA	3" Diameter Size, Sway Bracing	175.04	16.32
		<i>For Work In Restricted Working Space, Add</i>	9.80	
23 05 29 00-0502	EA	4" Diameter Size, Sway Bracing	198.68	18.55
		<i>For Work In Restricted Working Space, Add</i>	11.11	
23 05 29 00-0503	EA	6" Diameter Size, Sway Bracing	291.28	27.77
		<i>For Work In Restricted Working Space, Add</i>	16.66	
23 05 29 00-0504	EA	8" Diameter Size, Sway Bracing	321.18	34.65
		<i>For Work In Restricted Working Space, Add</i>	20.83	
23 05 29 00-0505	EA	10" Diameter Size, Sway Bracing	359.36	46.32
		<i>For Work In Restricted Working Space, Add</i>	27.77	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
23 05 29 00-0506 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)				
Note: Heights listed is total for base and adjustable saddle				
23 05 29 00-0507	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	368.52	11.11
		For Work In Restricted Working Space, Add	6.67	
23 05 29 00-0508	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	376.35	12.22
		For Work In Restricted Working Space, Add	7.33	
23 05 29 00-0509	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	735.71	13.89
		For Work In Restricted Working Space, Add	8.33	
23 05 29 00-0510	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	905.48	15.55
		For Work In Restricted Working Space, Add	9.33	
23 05 29 00-0511	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	916.52	17.21
		For Work In Restricted Working Space, Add	10.33	
23 05 29 00-0512	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,005.71	19.44
		For Work In Restricted Working Space, Add	11.66	
23 05 29 00-0513	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,203.14	21.10
		For Work In Restricted Working Space, Add	12.66	
23 05 29 00-0514	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,216.63	22.77
		For Work In Restricted Working Space, Add	13.66	
23 05 29 00-0515	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,233.86	24.99
		For Work In Restricted Working Space, Add	14.99	
23 05 29 00-0516	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,283.45	27.21
		For Work In Restricted Working Space, Add	16.33	
23 05 29 00-0517	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,372.71	29.99
		For Work In Restricted Working Space, Add	17.99	
23 05 29 00-0518	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,412.30	33.32
		For Work In Restricted Working Space, Add	19.99	
23 05 29 00-0519	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,723.47	36.65
		For Work In Restricted Working Space, Add	21.99	
23 05 29 00-0520	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,876.45	41.09
		For Work In Restricted Working Space, Add	24.66	
23 05 29 00-0521	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,660.33	45.54
		For Work In Restricted Working Space, Add	27.32	
23 05 29 00-0522	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,266.10	49.98
		For Work In Restricted Working Space, Add	29.99	
23 05 29 00-0523	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,910.80	54.42
		For Work In Restricted Working Space, Add	32.65	
23 05 29 00-0524 Channel Mounted Cushion Clamp (23 05 29 00-0001)				
Note: Includes fastening into channel.				
23 05 29 00-0525	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	13.26	5.00
23 05 29 00-0526	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	13.96	5.55
23 05 29 00-0527	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	15.43	5.83
23 05 29 00-0528	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	16.51	6.11
23 05 29 00-0529	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	18.42	6.67
23 05 29 00-0530	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	20.55	6.94
23 05 29 00-0531	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	25.81	7.22
23 05 29 00-0532	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	28.53	7.77
23 05 29 00-0533	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	35.01	8.88
23 05 29 00-0534	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	52.75	10.00
23 05 29 00-0535 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)				
Note: Excludes fastening bolt and drilling if necessary.				
23 05 29 00-0536	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	4.45	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0537	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	4.65	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0538	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	4.78	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0539	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	5.10	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0540	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	4.71	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0541	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	5.29	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0542	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	4.94	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0543	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	5.65	
		Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0544	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	5.68	
		Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0545	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	5.26	
		Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0546	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe	5.59	
		Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0547	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe	6.59	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0548	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe	5.62	
		Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0549	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe	6.26	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0550	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe	7.33	
		Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0551	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	7.43	
		Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0552	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	8.01	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0553	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	9.17	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0554	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe	9.53	
		Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0555	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe	11.27	
		Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0556	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe	11.40	
		Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0557	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	9.88	
		Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0558	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	11.27	
		Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0559	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	12.11	
		Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0560	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe	10.33	
		Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0561	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe	11.17	
		Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0562	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe	14.44	
		Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0563	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	10.24	
		Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0564	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	11.46	
		Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0565	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	15.15	
		Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0566		Rooftop Pipe Supports (23 05 29 00-0001)		
		Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0567		Rooftop Support Base (23 05 29 00-0566)		
23 05 29 00-0568	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	40.11	9.05
23 05 29 00-0569	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	55.89	12.06
23 05 29 00-0570		Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0566)		
23 05 29 00-0571	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	45.60	9.05
23 05 29 00-0572	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	64.80	12.06
23 05 29 00-0573	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	119.76	15.08
23 05 29 00-0574	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	165.56	18.09
23 05 29 00-0575	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	229.31	21.11
23 05 29 00-0576	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	241.81	24.12
23 05 29 00-0577		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0566)		
23 05 29 00-0578	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	79.36	12.06
23 05 29 00-0579	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	126.26	15.08
23 05 29 00-0580	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	168.16	18.09
23 05 29 00-0581	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	229.46	21.11
23 05 29 00-0582	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	258.21	18.09
23 05 29 00-0583		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0566)		
23 05 29 00-0584	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	132.96	18.09
23 05 29 00-0585	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	151.42	21.11



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0586	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	157.40	24.12
23 05 29 00-0587	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	172.28	27.14
23 05 29 00-0588	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	220.54	30.16
23 05 29 00-0589		Rooftop Pipe Support Base And Rod (23 05 29 00-0586)		
23 05 29 00-0590	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	96.60	12.06
23 05 29 00-0591	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	96.60	12.06
23 05 29 00-0592	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	97.14	12.06
23 05 29 00-0593	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	103.74	15.08
23 05 29 00-0594	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	99.76	15.08
23 05 29 00-0595	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	104.87	15.08
23 05 29 00-0596		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0596)		
23 05 29 00-0597	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	122.69	12.06
23 05 29 00-0598	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	136.99	12.06
23 05 29 00-0599	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	179.60	15.08
23 05 29 00-0600	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	238.06	15.08
23 05 29 00-0601	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	324.90	15.08
23 05 29 00-0602		Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0602) Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0603	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	152.78	18.09
23 05 29 00-0604		Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0604) Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0605	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	100.02	15.08
23 05 29 00-0606	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	136.43	18.09
23 05 29 00-0607	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	152.09	21.11
23 05 29 00-0608		Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0608) Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0609	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	368.43	24.12
23 05 29 00-0610	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	372.54	24.12
23 05 29 00-0611	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	386.98	24.12
23 05 29 00-0612	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	420.12	24.12
23 05 29 00-0613	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	361.08	24.12
23 05 29 00-0614	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	374.89	24.12
23 05 29 00-0615	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	389.33	24.12
23 05 29 00-0616	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	422.46	24.12
23 05 29 00-0617	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	377.50	24.12
23 05 29 00-0618	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	382.32	24.12
23 05 29 00-0619	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	396.48	24.12
23 05 29 00-0620	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	429.75	24.12
23 05 29 00-0621	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	394.27	24.12
23 05 29 00-0622	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	398.67	24.12
23 05 29 00-0623	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	412.83	24.12
23 05 29 00-0624	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	446.10	24.12

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0625		Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0626		Threaded Rod And Rod Accessories (23 05 29 00-0625)		
23 05 29 00-0627		Threaded Rod (23 05 29 00-0626) Note: Fully threaded.		
23 05 29 00-0628	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	3.25 0.45 0.70 0.50	0.75
23 05 29 00-0629	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	4.37 0.48 1.11 0.79	0.81
23 05 29 00-0630	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	5.96 0.50 1.72 1.23	0.84
23 05 29 00-0631	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	9.52 0.51 3.12 2.23	0.86
23 05 29 00-0632	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	10.35 0.53 3.43 2.45	0.89
23 05 29 00-0633	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	14.05 0.60 4.82 3.43	1.00
23 05 29 00-0634	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod For Work In Restricted Working Space, Add For Galvanized, Add For Zinc Plated, Add	17.43 0.67 6.08 4.33	1.12
23 05 29 00-0635		Rod Couplings (23 05 29 00-0626)		
23 05 29 00-0636	EA	3/8" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	9.27 2.22	
23 05 29 00-0637	EA	1/2" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	10.56 2.47	
23 05 29 00-0638	EA	5/8" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	13.41 2.78	
23 05 29 00-0639	EA	3/4" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	16.60 3.03	
23 05 29 00-0640	EA	7/8" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	25.06 3.33	
23 05 29 00-0641	EA	1" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	29.76 3.92	
23 05 29 00-0642	EA	1-1/8" Diameter, Threaded Rod Coupling Nut For Work In Restricted Working Space, Add	58.98 4.44	
23 05 29 00-0643		Flat Washers (23 05 29 00-0626) Note: Zinc plated.		
23 05 29 00-0644	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	0.66 0.15 0.04	0.24
23 05 29 00-0645	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	0.92 0.17 0.09	0.24
23 05 29 00-0646	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	1.35 0.20 0.17	0.36
23 05 29 00-0647	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	1.85 0.26 0.25	0.36
23 05 29 00-0648	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	2.18 0.30 0.29	0.48
23 05 29 00-0649	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	2.55 0.34 0.36	0.48
23 05 29 00-0650	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer For Work In Restricted Working Space, Add For Galvanized, Add	2.88 0.38 0.41	0.60
23 05 29 00-0651		Hex Nuts (23 05 29 00-0626) Note: Grade 2 and zinc plated.		
23 05 29 00-0652	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut For Work In Restricted Working Space, Add For Galvanized, Add	0.82 0.20 0.04	0.30



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0653	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	1.06 0.23 0.08	0.30
23 05 29 00-0654	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	1.48 0.24 0.17	0.30
23 05 29 00-0655	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	1.76 0.25 0.23	0.60
23 05 29 00-0656	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	2.62 0.27 0.43	0.60
23 05 29 00-0657	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	3.35 0.30 0.59	0.60
23 05 29 00-0658	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	5.55 0.34 1.11	0.60
23 05 29 00-0659 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0626)				
Note: Type 13.				
23 05 29 00-0660	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	26.65 3.62	6.03
23 05 29 00-0661	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	31.54 4.02	6.63
23 05 29 00-0662	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	34.05 4.52	7.24
23 05 29 00-0663	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	42.64 5.17	8.45
23 05 29 00-0664	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	54.93 6.03	9.05
23 05 29 00-0665	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	68.08 7.24	9.66
23 05 29 00-0666	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	94.05 9.05	10.86
23 05 29 00-0667 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0626)				
Note: Type 15.				
23 05 29 00-0668	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	17.43 3.62	6.03
23 05 29 00-0669	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	20.10 4.02	6.75
23 05 29 00-0670	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	26.32 4.52	7.48
23 05 29 00-0671	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	31.70 5.17	8.57
23 05 29 00-0672 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0626)				
Note: Type 14.				
23 05 29 00-0673	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	86.61 6.67	11.11
23 05 29 00-0674	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	126.60 7.01	11.66
23 05 29 00-0675	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	136.86 7.40	12.22
23 05 29 00-0676	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	142.56 7.84	13.32
23 05 29 00-0677	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	150.31 8.89	15.00
23 05 29 00-0678	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	249.18 11.66	19.44
23 05 29 00-0679	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	270.72 13.33	22.22
23 05 29 00-0680	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	319.55 16.66	27.77
23 05 29 00-0681 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0626)				
23 05 29 00-0682	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	26.64 3.92	6.51
23 05 29 00-0683	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	27.47 4.00	6.63
23 05 29 00-0684	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	28.30 4.07	6.75
23 05 29 00-0685	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	28.55 4.15	6.88
23 05 29 00-0686	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.22 4.30	7.12
23 05 29 00-0687	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	32.18 4.52	7.60

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0688	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	33.51 4.75	7.96
23 05 29 00-0689	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	36.05 4.98	8.32
23 05 29 00-0690	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	37.96 5.20	8.69
23 05 29 00-0691	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.91 5.43	9.05
23 05 29 00-0692	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	35.09 4.34	7.24
23 05 29 00-0693	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	35.93 4.42	7.36
23 05 29 00-0694	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	36.81 4.50	7.48
23 05 29 00-0695	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	37.67 4.58	7.60
23 05 29 00-0696	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.38 4.74	7.84
23 05 29 00-0697	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	42.54 4.98	8.33
23 05 29 00-0698	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	45.11 5.22	8.69
23 05 29 00-0699	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	48.27 5.46	9.05
23 05 29 00-0700	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	50.82 5.70	9.54
23 05 29 00-0701	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	53.40 5.94	9.90
23 05 29 00-0702	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	46.83 4.86	8.09
23 05 29 00-0703	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	48.28 4.94	8.21
23 05 29 00-0704	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	49.75 5.03	8.33
23 05 29 00-0705	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	50.62 5.11	8.57
23 05 29 00-0706	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	52.94 5.27	8.81
23 05 29 00-0707	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	56.72 5.52	9.17
23 05 29 00-0708	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	60.48 5.77	9.66
23 05 29 00-0709	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.68 6.02	10.02
23 05 29 00-0710	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	67.47 6.28	10.49
23 05 29 00-0711	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	71.22 6.52	10.86
23 05 29 00-0712	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	57.28 5.52	9.17
23 05 29 00-0713	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	59.35 5.60	9.29
23 05 29 00-0714	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	60.80 5.69	9.54
23 05 29 00-0715	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	62.85 5.78	9.66
23 05 29 00-0716	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.38 5.95	9.90
23 05 29 00-0717	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	71.34 6.20	10.37
23 05 29 00-0718	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	76.32 6.46	10.73
23 05 29 00-0719	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.91 6.72	11.22
23 05 29 00-0720	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	87.45 6.98	11.58
23 05 29 00-0721	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.44 7.23	12.06
23 05 29 00-0722	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	68.48 6.41	10.61
23 05 29 00-0723	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	71.11 6.49	10.86
23 05 29 00-0724	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.19 6.58	10.98
23 05 29 00-0725	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	75.25 6.67	11.10
23 05 29 00-0726	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	79.40 6.85	11.46
23 05 29 00-0727	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.17 7.12	11.82
23 05 29 00-0728	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.36 7.38	12.31
23 05 29 00-0729	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	99.14 7.65	12.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0730	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	105.34	13.15
			<i>For Work In Restricted Working Space, Add</i>	7.92	
23 05 29 00-0731	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	111.53	13.63
			<i>For Work In Restricted Working Space, Add</i>	8.19	
23 05 29 00-0732	EA		1" Diameter x 8" Length Shank, Welded Eye Rod.....	85.56	12.79
			<i>For Work In Restricted Working Space, Add</i>	7.64	
23 05 29 00-0733	EA		1" Diameter x 10" Length Shank, Welded Eye Rod.....	88.26	12.91
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0734	EA		1" Diameter x 12" Length Shank, Welded Eye Rod.....	90.96	13.03
			<i>For Work In Restricted Working Space, Add</i>	7.85	
23 05 29 00-0735	EA		1" Diameter x 14" Length Shank, Welded Eye Rod.....	93.64	13.27
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 05 29 00-0736	EA		1" Diameter x 18" Length Shank, Welded Eye Rod.....	99.01	13.63
			<i>For Work In Restricted Working Space, Add</i>	8.15	
23 05 29 00-0737	EA		1" Diameter x 24" Length Shank, Welded Eye Rod.....	107.09	14.12
			<i>For Work In Restricted Working Space, Add</i>	8.45	
23 05 29 00-0738	EA		1" Diameter x 30" Length Shank, Welded Eye Rod.....	115.18	14.60
			<i>For Work In Restricted Working Space, Add</i>	8.75	
23 05 29 00-0739	EA		1" Diameter x 36" Length Shank, Welded Eye Rod.....	123.81	15.08
			<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0740	EA		1" Diameter x 42" Length Shank, Welded Eye Rod.....	131.89	15.57
			<i>For Work In Restricted Working Space, Add</i>	9.35	
23 05 29 00-0741	EA		1" Diameter x 48" Length Shank, Welded Eye Rod.....	139.98	16.05
			<i>For Work In Restricted Working Space, Add</i>	9.65	
23 05 29 00-0742			Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0626)		
23 05 29 00-0743	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	54.19	8.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0744	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	55.65	9.05
			<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0745	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	57.12	9.41
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0746	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	57.89	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.84	
23 05 29 00-0747	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	60.57	10.13
			<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0748	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	64.09	10.85
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0749	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	66.55	11.58
			<i>For Work In Restricted Working Space, Add</i>	6.97	
23 05 29 00-0750	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	71.02	12.42
			<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0751	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	69.51	9.78
			<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0752	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	71.02	10.02
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0753	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	72.57	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0754	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	74.35	10.73
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 05 29 00-0755	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	77.09	11.10
			<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0756	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	82.63	11.94
			<i>For Work In Restricted Working Space, Add</i>	7.15	
23 05 29 00-0757	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	87.20	12.67
			<i>For Work In Restricted Working Space, Add</i>	7.63	
23 05 29 00-0758	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	92.73	13.51
			<i>For Work In Restricted Working Space, Add</i>	8.11	
23 05 29 00-0759	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	92.37	10.86
			<i>For Work In Restricted Working Space, Add</i>	6.55	
23 05 29 00-0760	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	94.87	11.22
			<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0761	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	97.40	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
23 05 29 00-0762	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	99.22	11.94
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0763	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	102.99	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.38	
23 05 29 00-0764	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	109.58	13.15
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 05 29 00-0765	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	116.13	14.00
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0766	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	121.73	14.84
			<i>For Work In Restricted Working Space, Add</i>	8.88	
23 05 29 00-0767	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	116.34	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.41	
23 05 29 00-0768	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	119.89	12.67
			<i>For Work In Restricted Working Space, Add</i>	7.59	
23 05 29 00-0769	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	122.41	12.91
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-0770	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	126.21	13.39
			<i>For Work In Restricted Working Space, Add</i>	8.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0771 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	131.98	13.76
For Work In Restricted Working Space, Add	8.27	
23 05 29 00-0772 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	140.54	14.60
For Work In Restricted Working Space, Add	8.78	
23 05 29 00-0773 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	149.13	15.45
For Work In Restricted Working Space, Add	9.30	
23 05 29 00-0774 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	158.71	16.41
For Work In Restricted Working Space, Add	9.81	
23 05 29 00-0775 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	139.57	14.24
For Work In Restricted Working Space, Add	8.57	
23 05 29 00-0776 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	144.10	14.60
For Work In Restricted Working Space, Add	8.75	
23 05 29 00-0777 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	147.65	14.84
For Work In Restricted Working Space, Add	8.93	
23 05 29 00-0778 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	151.48	15.33
For Work In Restricted Working Space, Add	9.20	
23 05 29 00-0779 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	158.29	15.81
For Work In Restricted Working Space, Add	9.47	
23 05 29 00-0780 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	169.88	16.66
For Work In Restricted Working Space, Add	10.00	
23 05 29 00-0781 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	180.49	17.61
For Work In Restricted Working Space, Add	10.54	
23 05 29 00-0782 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	192.09	18.46
For Work In Restricted Working Space, Add	11.07	
23 05 29 00-0783 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	177.43	17.01
For Work In Restricted Working Space, Add	10.22	
23 05 29 00-0784 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	182.03	17.37
For Work In Restricted Working Space, Add	10.42	
23 05 29 00-0785 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	186.63	17.73
For Work In Restricted Working Space, Add	10.62	
23 05 29 00-0786 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	191.57	18.22
For Work In Restricted Working Space, Add	10.92	
23 05 29 00-0787 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	200.39	18.70
For Work In Restricted Working Space, Add	11.22	
23 05 29 00-0788 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	214.21	19.67
For Work In Restricted Working Space, Add	11.83	
23 05 29 00-0789 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	228.04	20.75
For Work In Restricted Working Space, Add	12.43	
23 05 29 00-0790 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	242.74	21.72
For Work In Restricted Working Space, Add	13.03	
23 05 29 00-0791 Attachments (23 05 29 00-0625)		
23 05 29 00-0792 Welded Beam Attachments (Cooper B-Line B-3083) (23 05 29 00-0791)		
Note: Type 22.		
23 05 29 00-0793 EA 3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	65.64	11.26
For Work In Restricted Working Space, Add	6.76	
23 05 29 00-0794 EA 1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	70.21	11.83
For Work In Restricted Working Space, Add	7.12	
23 05 29 00-0795 EA 5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	74.87	12.51
For Work In Restricted Working Space, Add	7.51	
23 05 29 00-0796 EA 3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	98.69	13.29
For Work In Restricted Working Space, Add	7.95	
23 05 29 00-0797 EA 7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	120.53	14.09
For Work In Restricted Working Space, Add	8.45	
23 05 29 00-0798 EA 1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	173.21	16.11
For Work In Restricted Working Space, Add	9.66	
23 05 29 00-0799 EA 1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083).....	252.14	16.90
For Work In Restricted Working Space, Add	10.14	
23 05 29 00-0800 C-Clamp Style Beam Clamps (Cooper B-Line B-3034) (23 05 29 00-0791)		
Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0801 EA 3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034).....	20.35	6.15
For Work In Restricted Working Space, Add	4.52	
23 05 29 00-0802 EA 1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034).....	25.22	7.84
For Work In Restricted Working Space, Add	4.83	
23 05 29 00-0803 EA 5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034).....	29.11	8.45
For Work In Restricted Working Space, Add	5.17	
23 05 29 00-0804 EA 3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034).....	39.15	9.05
For Work In Restricted Working Space, Add	5.57	
23 05 29 00-0805 EA 7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034).....	60.10	9.66
For Work In Restricted Working Space, Add	6.03	
23 05 29 00-0806 Bottom Mount I-Beam Clamps (Cooper B-Line B-3055) (23 05 29 00-0791)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0807 EA 3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055).....	66.38	8.45
For Work In Restricted Working Space, Add	6.03	
23 05 29 00-0808 EA 1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055).....	101.25	10.86
For Work In Restricted Working Space, Add	6.58	
23 05 29 00-0809 EA 5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055).....	148.14	12.06
For Work In Restricted Working Space, Add	7.24	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0810	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	178.31	13.27
		<i>For Work In Restricted Working Space, Add</i>	8.05	
23 05 29 00-0811	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	448.48	14.48
		<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0812		Steel U-Bolts (Cooper B-Line B-3188) (23 05 29 00-0791) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0813	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	16.69	3.02
		<i>For Work In Restricted Working Space, Add</i>	3.62	
23 05 29 00-0814	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	18.30	3.61
		<i>For Work In Restricted Working Space, Add</i>	3.81	
23 05 29 00-0815	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	19.82	3.61
		<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0816	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	23.05	3.61
		<i>For Work In Restricted Working Space, Add</i>	4.26	
23 05 29 00-0817	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	23.60	4.22
		<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0818	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	25.29	4.22
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0819	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	39.27	4.22
		<i>For Work In Restricted Working Space, Add</i>	5.17	
23 05 29 00-0820	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	43.50	4.82
		<i>For Work In Restricted Working Space, Add</i>	5.57	
23 05 29 00-0821	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	53.67	5.43
		<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0822		Copper Standoff Brackets With Flange (23 05 29 00-0791) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0823	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.14	17.25
		<i>For Work In Restricted Working Space, Add</i>	10.34	
23 05 29 00-0824	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.24	17.25
		<i>For Work In Restricted Working Space, Add</i>	10.34	
23 05 29 00-0825	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.34	17.25
		<i>For Work In Restricted Working Space, Add</i>	10.34	
23 05 29 00-0826	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	38.64	18.34
		<i>For Work In Restricted Working Space, Add</i>	10.97	
23 05 29 00-0827	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	38.84	18.34
		<i>For Work In Restricted Working Space, Add</i>	10.97	
23 05 29 00-0828		Malleable Iron Eye Sockets (Cooper B-Line B-3222) (23 05 29 00-0791) Note: Type 16.		
23 05 29 00-0829	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	15.32	1.81
		<i>For Work In Restricted Working Space, Add</i>	1.10	
23 05 29 00-0830	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	19.46	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.45	
23 05 29 00-0831	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	34.93	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.46	
23 05 29 00-0832	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	50.12	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.45	
23 05 29 00-0833	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	53.77	3.02
		<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0834		Steel Weldless Eye Nuts (Cooper B-Line B-3200) (23 05 29 00-0791) Note: Type 17.		
23 05 29 00-0835	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	53.49	1.81
		<i>For Work In Restricted Working Space, Add</i>	1.10	
23 05 29 00-0836	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	54.65	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.45	
23 05 29 00-0837	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	54.70	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.46	
23 05 29 00-0838	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	54.65	2.42
		<i>For Work In Restricted Working Space, Add</i>	1.45	
23 05 29 00-0839	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	108.27	2.66
		<i>For Work In Restricted Working Space, Add</i>	1.63	
23 05 29 00-0840	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	108.87	3.02
		<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0841		Top Mount I-Beam Clamps (Cooper B-Line B-3042) (23 05 29 00-0791) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0842	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	32.42	5.63
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0843	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	39.50	6.20
		<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0844	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	48.48	6.76
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0845	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	68.56	7.33
		<i>For Work In Restricted Working Space, Add</i>	4.31	
23 05 29 00-0846	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	107.47	8.45
		<i>For Work In Restricted Working Space, Add</i>	5.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0847 EA 3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	34.38 3.38	5.63
23 05 29 00-0848 EA 1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	42.27 3.73	6.20
23 05 29 00-0849 EA 5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	48.48 4.10	6.76
23 05 29 00-0850 EA 3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	75.87 4.31	7.33
23 05 29 00-0851 EA 7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	119.95 5.07	8.45
23 05 29 00-0852 EA 3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	38.95 3.38	5.63
23 05 29 00-0853 EA 1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	47.41 3.73	6.20
23 05 29 00-0854 EA 5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	60.52 4.10	6.76
23 05 29 00-0855 EA 3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	89.53 4.31	7.33
23 05 29 00-0856 EA 7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	146.66 5.07	8.45
23 05 29 00-0857 Side Beam Brackets (Cooper B-Line B-3062) (23 05 29 00-0791)		
Note: Type 34.		
23 05 29 00-0858 EA 3/8" Diameter Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	23.60 4.52	7.84
23 05 29 00-0859 EA 1/2" Diameter Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	28.73 4.83	7.84
23 05 29 00-0860 EA 5/8" Diameter Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	38.81 5.17	8.45
23 05 29 00-0861 EA 3/4" Diameter Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	74.34 5.57	9.05
23 05 29 00-0862 EA 7/8" Diameter Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	87.76 6.03	10.25
23 05 29 00-0863 Hex Lag Bolts (23 05 29 00-0791)		
Note: Also known as coach screws.		
23 05 29 00-0864 EA 3/8" Diameter x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.11 0.76	
23 05 29 00-0865 EA 3/8" Diameter x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.47 0.78	
23 05 29 00-0866 EA 3/8" Diameter x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.95 0.81	
23 05 29 00-0867 EA 3/8" Diameter x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.84 0.84	
23 05 29 00-0868 EA 3/8" Diameter x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.18 0.87	
23 05 29 00-0869 EA 3/8" Diameter x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.39 0.91	
23 05 29 00-0870 EA 1/2" Diameter x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.15 0.91	
23 05 29 00-0871 EA 1/2" Diameter x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.82 0.94	
23 05 29 00-0872 EA 1/2" Diameter x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.68 0.98	
23 05 29 00-0873 EA 1/2" Diameter x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.66 1.03	
23 05 29 00-0874 EA 1/2" Diameter x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.94 1.08	
23 05 29 00-0875 EA 1/2" Diameter x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	8.52 1.13	
23 05 29 00-0876 EA 5/8" Diameter x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.55 1.01	
23 05 29 00-0877 EA 3/4" Diameter x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.39 1.03	
23 05 29 00-0878 Hanger Strap (23 05 29 00-0625)		
23 05 29 00-0879 LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	5.84	
23 05 29 00-0880 Shields And Saddles (23 05 29)		
23 05 29 00-0881 Insulation Protection Shield (23 05 29 00-0880)		
Note: Type 40.		
23 05 29 00-0882 Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0881)		
23 05 29 00-0883 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	15.72 2.90	2.90
23 05 29 00-0884 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	15.95 2.93	2.93
23 05 29 00-0885 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	16.32 2.97	2.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0886 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.02	3.00
For Work In Restricted Working Space, Add	3.01	
23 05 29 00-0887 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	18.68	3.08
For Work In Restricted Working Space, Add	3.08	
23 05 29 00-0888 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	22.45	3.15
For Work In Restricted Working Space, Add	3.15	
23 05 29 00-0889 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	25.86	3.22
For Work In Restricted Working Space, Add	3.22	
23 05 29 00-0890 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	31.25	3.29
For Work In Restricted Working Space, Add	3.29	
23 05 29 00-0891 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	39.61	3.33
For Work In Restricted Working Space, Add	3.33	
23 05 29 00-0892 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	43.00	3.36
For Work In Restricted Working Space, Add	3.37	
23 05 29 00-0893 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	58.48	3.40
For Work In Restricted Working Space, Add	3.40	
23 05 29 00-0894 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	65.49	3.43
For Work In Restricted Working Space, Add	3.44	
23 05 29 00-0895 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	119.83	3.47
For Work In Restricted Working Space, Add	3.47	
23 05 29 00-0896 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	130.12	3.54
For Work In Restricted Working Space, Add	3.55	
23 05 29 00-0897 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	156.89	3.62
For Work In Restricted Working Space, Add	3.62	
23 05 29 00-0898 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0881)		
23 05 29 00-0899 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.05	2.90
For Work In Restricted Working Space, Add	2.90	
23 05 29 00-0900 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.25	2.93
For Work In Restricted Working Space, Add	2.93	
23 05 29 00-0901 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.55	2.97
For Work In Restricted Working Space, Add	2.97	
23 05 29 00-0902 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.10	3.00
For Work In Restricted Working Space, Add	3.01	
23 05 29 00-0903 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	16.36	3.08
For Work In Restricted Working Space, Add	3.08	
23 05 29 00-0904 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	19.16	3.15
For Work In Restricted Working Space, Add	3.15	
23 05 29 00-0905 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	20.50	3.22
For Work In Restricted Working Space, Add	3.22	
23 05 29 00-0906 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	25.68	3.29
For Work In Restricted Working Space, Add	3.29	
23 05 29 00-0907 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	30.46	3.33
For Work In Restricted Working Space, Add	3.33	
23 05 29 00-0908 Pipe Covering Protection Saddle (23 05 29 00-0880)		
Note: Sizes are pipe sizes.		
23 05 29 00-0909 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0908)		
23 05 29 00-0910 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.88	3.98
For Work In Restricted Working Space, Add	3.99	
23 05 29 00-0911 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.00	4.03
For Work In Restricted Working Space, Add	4.02	
23 05 29 00-0912 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.11	4.06
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0913 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.22	4.13
For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0914 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.34	4.16
For Work In Restricted Working Space, Add	4.16	
23 05 29 00-0915 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.15	4.23
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0916 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.87	4.29
For Work In Restricted Working Space, Add	4.29	
23 05 29 00-0917 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	32.18	4.36
For Work In Restricted Working Space, Add	4.36	
23 05 29 00-0918 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.98	4.50
For Work In Restricted Working Space, Add	4.50	
23 05 29 00-0919 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	43.39	4.67
For Work In Restricted Working Space, Add	4.67	
23 05 29 00-0920 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	48.26	4.73
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0921 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.80	4.73
For Work In Restricted Working Space, Add	4.83	
23 05 29 00-0922 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	61.83	4.90
For Work In Restricted Working Space, Add	4.90	
23 05 29 00-0923 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0908)		
23 05 29 00-0924 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.70	3.98
For Work In Restricted Working Space, Add	3.99	
23 05 29 00-0925 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.82	4.03
For Work In Restricted Working Space, Add	4.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0926	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.93	4.06
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0927	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.85	4.13
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0928	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.93	4.16
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0929	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.12	4.23
		<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0930	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.65	4.29
		<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0931	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.84	4.29
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0932	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	41.24	4.50
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 05 29 00-0933	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	48.55	4.67
		<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0934	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	54.36	4.73
		<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0935	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	64.34	4.83
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0936	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	70.29	4.90
		<i>For Work In Restricted Working Space, Add</i>	4.90	
23 05 29 00-0937		Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0908)		
23 05 29 00-0938	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.55	4.19
		<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0939	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.66	4.23
		<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0940	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.08	4.26
		<i>For Work In Restricted Working Space, Add</i>	4.26	
23 05 29 00-0941	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.97	4.32
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0942	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.74	4.36
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0943	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.96	4.44
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0944	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.71	4.51
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 05 29 00-0945	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.44	4.58
		<i>For Work In Restricted Working Space, Add</i>	4.56	
23 05 29 00-0946	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	44.73	4.72
		<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0947	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	50.51	4.90
		<i>For Work In Restricted Working Space, Add</i>	4.90	
23 05 29 00-0948	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.95	4.97
		<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0949	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	70.77	5.07
		<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0950	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	78.16	5.15
		<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0951	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	85.79	5.27
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0952	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	93.43	5.41
		<i>For Work In Restricted Working Space, Add</i>	5.41	
23 05 29 00-0953	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	102.30	5.55
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-0954	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	116.87	5.68
		<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0955		Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0908)		
23 05 29 00-0956	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	31.84	4.36
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0957	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.53	4.42
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0958	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.40	4.48
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0959	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.36	4.54
		<i>For Work In Restricted Working Space, Add</i>	4.53	
23 05 29 00-0960	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.70	4.62
		<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0961	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	41.22	4.69
		<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0962	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	46.98	4.83
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0963	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	54.48	5.02
		<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0964	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	58.29	5.09
		<i>For Work In Restricted Working Space, Add</i>	5.10	
23 05 29 00-0965	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	72.60	5.19
		<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0966	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	85.86	5.27
		<i>For Work In Restricted Working Space, Add</i>	5.27	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0967 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) For Work In Restricted Working Space, Add	99.34 5.41	5.39
23 05 29 00-0968 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) For Work In Restricted Working Space, Add	105.46 5.54	5.53
23 05 29 00-0969 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) For Work In Restricted Working Space, Add	112.26 5.68	5.68
23 05 29 00-0970 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) For Work In Restricted Working Space, Add	119.06 5.81	5.81
23 05 29 00-0971 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0908)		
23 05 29 00-0972 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	35.55 4.56	4.58
23 05 29 00-0973 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	38.69 4.67	4.65
23 05 29 00-0974 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	40.32 4.73	4.72
23 05 29 00-0975 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	41.94 4.80	4.80
23 05 29 00-0976 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	47.99 4.94	4.95
23 05 29 00-0977 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	59.86 5.14	5.13
23 05 29 00-0978 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	64.77 5.21	5.21
23 05 29 00-0979 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	83.86 5.31	5.32
23 05 29 00-0980 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	99.85 5.41	5.39
23 05 29 00-0981 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	115.86 5.51	5.52
23 05 29 00-0982 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	118.10 5.68	5.67
23 05 29 00-0983 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	120.23 5.81	5.80
23 05 29 00-0984 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) For Work In Restricted Working Space, Add	152.21 5.95	5.95
23 05 29 00-0985 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0908)		
23 05 29 00-0986 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	39.96 4.67	4.68
23 05 29 00-0987 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	43.66 4.77	4.75
23 05 29 00-0988 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	45.56 4.83	4.83
23 05 29 00-0989 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	47.55 4.90	4.90
23 05 29 00-0990 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	57.79 5.07	5.06
23 05 29 00-0991 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	68.02 5.24	5.25
23 05 29 00-0992 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	70.30 5.34	5.33
23 05 29 00-0993 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	89.52 5.45	5.45
23 05 29 00-0994 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	108.39 5.51	5.51
23 05 29 00-0995 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	127.48 5.65	5.66
23 05 29 00-0996 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	155.62 5.78	5.79
23 05 29 00-0997 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	183.63 5.95	5.94
23 05 29 00-0998 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	196.37 6.08	6.09
23 05 29 00-0999 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	206.63 6.25	6.24
23 05 29 00-1000 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) For Work In Restricted Working Space, Add	214.22 6.39	6.40
23 05 29 00-1001 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0880)		
23 05 29 00-1002 EA 2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	89.66	15.08
23 05 29 00-1003 EA 3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	95.35	17.49
23 05 29 00-1004 EA 4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	115.66	19.91
23 05 29 00-1005 EA 5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	120.80	21.72
23 05 29 00-1006 EA 6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	134.05	24.13
23 05 29 00-1007 EA 8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	153.14	30.17
23 05 29 00-1008 EA 10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	200.47	40.42
23 05 29 00-1009 EA 12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	250.64	60.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1010 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0880)				
23 05 29 00-1011	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	109.98	15.08
23 05 29 00-1012	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	114.28	17.49
23 05 29 00-1013	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	122.52	18.70
23 05 29 00-1014	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	125.34	19.91
23 05 29 00-1015	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	131.94	21.72
23 05 29 00-1016	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	140.18	24.13
23 05 29 00-1017	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	177.88	30.17
23 05 29 00-1018	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	239.83	40.42
23 05 29 00-1019	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	315.80	60.33
23 05 29 00-1020 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0880)				
23 05 29 00-1021	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	58.46	15.08
23 05 29 00-1022	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	62.76	17.49
23 05 29 00-1023	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	92.64	18.70
23 05 29 00-1024	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	95.46	19.91
23 05 29 00-1025	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	104.85	21.72
23 05 29 00-1026	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	116.24	24.13
23 05 29 00-1027	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	134.01	30.17
23 05 29 00-1028	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	157.70	40.42
23 05 29 00-1029	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095).....	201.80	60.33
23 05 29 00-1030 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0880)				
Note: Insert is for use as isolated protective insulation at hangers.				
23 05 29 00-1031 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)				
23 05 29 00-1032	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.93	7.58
23 05 29 00-1033	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.21	7.58
23 05 29 00-1034	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.29	7.58
23 05 29 00-1035	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.57	7.58
23 05 29 00-1036	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.79	8.04
23 05 29 00-1037	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.61	8.28
23 05 29 00-1038	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.57	8.63
23 05 29 00-1039	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.61	8.98
23 05 29 00-1040	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.41	9.32
23 05 29 00-1041	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.47	8.04
23 05 29 00-1042	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.33	10.49
23 05 29 00-1043	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.12	12.35
23 05 29 00-1044	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.36	14.34
23 05 29 00-1045	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.42	14.81
23 05 29 00-1046 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)				
23 05 29 00-1047	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.40	5.71
23 05 29 00-1048	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.81	5.71
23 05 29 00-1049	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.16	5.83
23 05 29 00-1050	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.68	5.95
23 05 29 00-1051	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.18	5.95
23 05 29 00-1052	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.04	6.18
23 05 29 00-1053	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.07	6.41
23 05 29 00-1054	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.60	6.52
23 05 29 00-1055	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.54	7.11
23 05 29 00-1056	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.42	12.24
23 05 29 00-1057	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.98	9.21
23 05 29 00-1058	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.04	10.84
23 05 29 00-1059	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.82	12.47
23 05 29 00-1060	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.07	15.04
23 05 29 00-1061 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)				
23 05 29 00-1062	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.75	6.52
23 05 29 00-1063	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.98	6.52
23 05 29 00-1064	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.63	6.65
23 05 29 00-1065	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.21	6.77
23 05 29 00-1066	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.80	6.88
23 05 29 00-1067	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.64	7.11
23 05 29 00-1068	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.83	7.34
23 05 29 00-1069	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.94	7.58
23 05 29 00-1070	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.39	8.04
23 05 29 00-1071	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.31	9.09
23 05 29 00-1072	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.95	15.51
23 05 29 00-1073	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.73	17.95
23 05 29 00-1074	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.10	21.21
23 05 29 00-1075	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.63	23.78



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1076	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.82	26.81
23 05 29 00-1077	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	89.32	31.47
23 05 29 00-1078	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.19	34.98
23 05 29 00-1079	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.09	39.64
23 05 29 00-1080		2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)		
23 05 29 00-1081	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.63	7.58
23 05 29 00-1082	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.89	7.58
23 05 29 00-1083	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.69	7.69
23 05 29 00-1084	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.28	7.81
23 05 29 00-1085	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.89	7.81
23 05 29 00-1086	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.91	8.17
23 05 29 00-1087	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.25	8.40
23 05 29 00-1088	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.51	8.74
23 05 29 00-1089	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.28	9.21
23 05 29 00-1090	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.81	10.49
23 05 29 00-1091	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.50	11.66
23 05 29 00-1092	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.25	13.41
23 05 29 00-1093	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.62	16.67
23 05 29 00-1094	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.57	18.30
23 05 29 00-1095	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.29	23.32
23 05 29 00-1096	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	91.38	24.49
23 05 29 00-1097	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	103.82	27.98
23 05 29 00-1098	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	122.63	33.81
23 05 29 00-1099		3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)		
23 05 29 00-1100	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.26	7.81
23 05 29 00-1101	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.02	8.17
23 05 29 00-1102	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.48	8.17
23 05 29 00-1103	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.03	8.40
23 05 29 00-1104	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.87	8.63
23 05 29 00-1105	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.93	8.74
23 05 29 00-1106	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.60	8.98
23 05 29 00-1107	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	75.79	9.55
23 05 29 00-1108	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.61	9.91
23 05 29 00-1109	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.66	12.12
23 05 29 00-1110	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	124.05	13.29
23 05 29 00-1111	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.62	13.99
23 05 29 00-1112	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	169.29	18.07
23 05 29 00-1113	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	190.67	19.24
23 05 29 00-1114	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	228.04	25.64
23 05 29 00-1115	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	245.49	27.98
23 05 29 00-1116	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	278.05	30.32
23 05 29 00-1117	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	326.64	37.30
23 05 29 00-1118		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)		
23 05 29 00-1119	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.63	7.58
23 05 29 00-1120	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.34	9.21
23 05 29 00-1121	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.47	9.21
23 05 29 00-1122	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.12	9.32
23 05 29 00-1123	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.94	9.44
23 05 29 00-1124	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.03	9.80
23 05 29 00-1125	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.68	10.14
23 05 29 00-1126	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.09	10.49
23 05 29 00-1127	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.57	11.08
23 05 29 00-1128	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.96	12.60
23 05 29 00-1129	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.76	13.99
23 05 29 00-1130	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.30	16.09
23 05 29 00-1131	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.33	20.06
23 05 29 00-1132	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.89	21.92
23 05 29 00-1133	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	102.36	27.98
23 05 29 00-1134	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.66	29.38
23 05 29 00-1135	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	124.65	33.58
23 05 29 00-1136	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.16	40.58
23 05 29 00-1137		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1030)		
23 05 29 00-1138	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.51	10.26
23 05 29 00-1139	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.86	10.26
23 05 29 00-1140	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.96	10.38
23 05 29 00-1141	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.83	10.49
23 05 29 00-1142	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.47	10.49

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1143 EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.34	11.20
23 05 29 00-1144 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.74	11.31
23 05 29 00-1145 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.50	11.77
23 05 29 00-1146 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.23	12.47
23 05 29 00-1147 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.31	14.11
23 05 29 00-1148 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.85	15.27
23 05 29 00-1149 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.61	18.18
23 05 29 00-1150 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.90	22.61
23 05 29 00-1151 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	96.65	24.60
23 05 29 00-1152 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	115.21	31.47
23 05 29 00-1153 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	123.30	32.99
23 05 29 00-1154 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	138.71	37.78
23 05 29 00-1155 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	165.59	45.70
23 05 29 00-1156 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	189.28	53.75
23 05 29 00-1157 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	215.95	63.42
23 05 29 00-1158 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	245.13	74.96
23 05 29 00-1159 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	352.81	115.77
23 05 29 00-1160 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	380.66	127.43
23 05 29 00-1161 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	406.04	137.56
23 05 29 00-1162 Equipment Housekeeping Pads (23 05 29) See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.		
23 05 29 00-1163 Molded Plastic Condenser Pad (23 05 29 00-1162)		
23 05 29 00-1164 EA 30" Round Molded Plastic Pad.....	152.99	15.08
23 05 29 00-1165 EA 30" Octagon Molded Plastic Pad.....	161.07	15.08
23 05 29 00-1166 EA 30" x 30" Molded Plastic Pad.....	152.99	15.08
23 05 29 00-1167 EA 36" x 36" Molded Plastic Pad.....	201.40	15.08
23 05 29 00-1168 EA 36" x 48" Molded Plastic Pad.....	291.97	15.08
23 05 29 00-1169 Inertia Base (23 05 29 00-1162) Note: Includes spring isolators.		
23 05 29 00-1170 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	2,060.39	
23 05 29 00-1171 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	2,489.20	
23 05 29 00-1172 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	2,851.17	
23 05 29 00-1173 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	3,257.70	
23 05 29 00-1174 Hanger Assemblies (23 05 29) Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1175 EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	53.10	18.76
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.07	
23 05 29 00-1176 EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	55.32	19.87
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.74	
23 05 29 00-1177 EA 1" Standard Duty Clevis Pipe Hanger Assembly.....	57.17	21.07
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.27	
23 05 29 00-1178 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	58.09	21.11
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.47	
23 05 29 00-1179 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	58.32	21.11
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.47	
23 05 29 00-1180 EA 2" Standard Duty Clevis Pipe Hanger Assembly.....	59.45	21.27
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.67	
23 05 29 00-1181 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	70.09	22.99
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	14.05	
23 05 29 00-1182 EA 3" Standard Duty Clevis Pipe Hanger Assembly.....	71.98	23.65
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	14.27	
23 05 29 00-1183 EA 4" Standard Duty Clevis Pipe Hanger Assembly.....	86.82	26.69
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	15.75	
23 05 29 00-1184 EA 6" Standard Duty Clevis Pipe Hanger Assembly.....	128.44	34.49
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	20.69	
23 05 29 00-1185 EA 8" Standard Duty Clevis Pipe Hanger Assembly.....	147.16	40.02
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	24.01	
23 05 29 00-1186 EA 10" Standard Duty Clevis Pipe Hanger Assembly.....	206.36	50.83
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	30.12	
23 05 29 00-1187 EA 12" Standard Duty Clevis Pipe Hanger Assembly.....	224.51	54.69
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	32.88	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Hangers and Supports for HVAC Piping and Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1188 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1189 Angle Iron For Hanger Devices (23 05 29 00-1188)		
23 05 29 00-1190 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.90	1.75
23 05 29 00-1191 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.80	2.19
23 05 29 00-1192 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices	4.69	2.62
23 05 29 00-1193 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.54	3.26
23 05 29 00-1194 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.34	3.50
23 05 29 00-1195 LF 2" x 2" x 1/4" Angle Iron For Hanger Devices	9.99	3.93
23 05 29 00-1196 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.46	4.79
23 05 29 00-1197 LF 3" x 2" x 3/8" Angle Iron For Hanger Devices	16.25	5.62
23 05 29 00-1198 LF 3" x 3" x 3/8" Angle Iron For Hanger Devices	19.43	6.57
23 05 29 00-1199 Channels For Hanger Devices (23 05 29 00-1188)		
23 05 29 00-1200 LF C2 x 1.78, 2" Wide Channels For Hanger Devices	8.68	4.55
23 05 29 00-1201 LF C3 x 4.1, 3" Wide Channels For Hanger Devices	14.82	6.54
23 05 29 00-1202 LF C4 x 5.4, 4" Wide Channels For Hanger Devices	18.49	7.85
23 05 29 00-1203 LF C5 x 6.7 - 5" Wide Channels For Hanger Devices	22.17	9.16
23 05 29 00-1204 LF C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.84	11.00
23 05 29 00-1205 LF C7 x 9.8 - 7" Wide Channels For Hanger Devices	32.02	13.09
23 05 29 00-1206 LF C8 x 11.5 - 8" Wide Channels For Hanger Devices	36.29	14.40
23 05 29 00-1207 Structural Bar Tees For Hanger Devices (23 05 29 00-1188)		
23 05 29 00-1208 LF 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.68	6.40
23 05 29 00-1209 LF 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.65	7.56
23 05 29 00-1210 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.62	8.73
23 05 29 00-1211 LF 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	21.41	11.64
23 05 29 00-1212 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	29.32	13.97
23 05 29 00-1213 LF 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	36.76	18.04
23 05 29 00-1214 Structural Zees For Hanger Devices (23 05 29 00-1188)		
23 05 29 00-1215 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.64	8.73
23 05 29 00-1216 LF 2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.97	8.73
23 05 29 00-1217 LF 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	29.23	8.73
23 05 29 00-1218 LF 3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	36.91	8.73
23 05 29 00-1219 LF 3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	44.94	8.73
23 05 29 00-1220 Junior I-beams For Hanger Devices (23 05 29 00-1188)		
23 05 29 00-1221 LF 3" I-beam (Junior) For Hanger Devices	20.75	12.80
23 05 29 00-1222 LF 4" I-beam (Junior) For Hanger Devices	23.84	13.97
23 05 29 00-1223 LF 5" I-beam (Junior) For Hanger Devices	27.51	15.13
23 05 29 00-1224 LF 6" I-beam (Junior) For Hanger Devices	30.08	16.88
23 05 29 00-1225 LF 7" I-beam (Junior) For Hanger Devices	35.71	18.04
23 05 29 00-1226 LF 8" I-beam (Junior) For Hanger Devices	38.66	19.20
23 05 33 Heat Tracing for HVAC Piping (23 05)		
See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48 Vibration and Seismic Controls for HVAC (23 05)		
23 05 48 13 Vibration Controls for HVAC (23 05 48)		
23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002 EA 60 Lb. Capacity, Unhoused Steel Spring Isolator	119.50	33.77
23 05 48 13-0003 EA 115 Lb. Capacity, Unhoused Steel Spring Isolator	127.90	33.77
23 05 48 13-0004 EA 1,130 Lb. Capacity, Unhoused Steel Spring Isolator	155.77	33.77
23 05 48 13-0005 Housed Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.		
Mason Industries, Inc.		
23 05 48 13-0006 EA To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	263.62	33.77
23 05 48 13-0007 EA To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	293.87	33.77
23 05 48 13-0008 EA To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	308.99	33.77
23 05 48 13-0009 EA To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	369.49	33.77
23 05 48 13-0010 EA To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	384.61	33.77
23 05 48 13-0011 EA To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	290.09	33.77
23 05 48 13-0012 EA To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	316.56	33.77
23 05 48 13-0013 EA To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	335.46	33.77
23 05 48 13-0014 EA To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	422.42	33.77
23 05 48 13-0015 EA To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	456.45	33.77
23 05 48 13-0016 EA To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	535.85	33.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 48 13-0017	Vibration Isolators (23 05 48 13)				
23 05 48 13-0018	Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)				
23 05 48 13-0019	EA 50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	166.79		21.72	
23 05 48 13-0020	EA 600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	359.27		24.13	
23 05 48 13-0021	Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)				
23 05 48 13-0022	EA 45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	90.32		18.10	
23 05 48 13-0023	EA 130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	117.77		21.72	
23 05 48 13-0024	Spring Hanger For 1" Deflection (23 05 48 13-0017)				
23 05 48 13-0025	EA 50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	102.00		21.72	
23 05 48 13-0026	Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)				
23 05 48 13-0027	EA 45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection.....	187.46		41.03	
23 05 48 13-0028	EA 130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection.....	261.84		41.03	
23 05 48 13-0029	EA 550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection.....	517.06		41.03	
23 05 48 13-0030	Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)				
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.					
23 05 48 13-0031	EA 50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	156.12		41.03	
23 05 48 13-0032	EA >1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	161.66		41.03	
23 05 48 13-0033	Open Double Spring Type Vibration Isolator (23 05 48 13-0017)				
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.					
23 05 48 13-0034	EA 150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	126.06		20.51	
23 05 48 13-0035	EA 500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	126.06		20.51	
23 05 48 13-0036	EA 1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	144.54		20.51	
23 05 48 13-0037	EA 1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	144.54		20.51	
23 05 48 13-0038	EA 2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	228.09		20.51	
23 05 48 13-0039	Isolation Pads (23 05 48 13-0017)				
23 05 48 13-0040	Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)				
23 05 48 13-0041	EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	7.36		3.02	
23 05 48 13-0042	EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	9.48		3.14	
23 05 48 13-0043	EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	11.92		3.26	
23 05 48 13-0044	EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	47.82		3.74	
23 05 48 13-0045	EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	91.74		4.22	
23 05 48 13-0046	Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)				
23 05 48 13-0047	EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	100.80		3.02	
23 05 48 13-0048	EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	111.28		3.02	
23 05 48 13-0049	Neoprene Isolation Pad (23 05 48 13-0039)				
23 05 48 13-0050	EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	6.85		3.02	
23 05 48 13-0051	EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	7.83		3.02	
23 05 48 13-0052	EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.40		3.02	
23 05 48 13-0053	EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	47.04		3.62	
23 05 48 13-0054	EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	86.19		4.22	
23 05 48 13-0055	Miscellaneous Piping Isolators (23 05 48 13-0017)				
23 05 48 13-0056	EA Vibration Isolator, 2" Deflector	1,026.00		36.20	
Note: M.M. Sausse Model # RMXA.					
23 05 48 13-0057	Threaded Flexible Bronze Hose Connectors (23 05 48 13)				
Note: Includes hex threaded nipple ends.					
23 05 48 13-0058	EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	86.65		19.30	
23 05 48 13-0059	EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	100.19		26.54	
23 05 48 13-0060	EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	123.16		32.58	
23 05 48 13-0061	EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	143.02		38.61	
23 05 48 13-0062	EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	163.67		50.68	
23 05 48 13-0063	EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	184.07		53.93	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Common Work Results for HVAC 23 05****Vibration and Seismic Controls for HVAC 23 05 48****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0064 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	247.68	63.95
23 05 48 13-0065 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	344.68	99.66
23 05 48 13-0066 Weld End Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0067 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	243.42	69.26
23 05 48 13-0068 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	283.52	76.02
23 05 48 13-0069 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends	318.55	80.48
23 05 48 13-0070 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	356.54	91.70
23 05 48 13-0071 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	403.42	98.94
23 05 48 13-0072 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends	507.34	128.74
23 05 48 13-0073 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	752.55	144.80
23 05 48 13-0074 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends	925.72	162.89
23 05 48 13-0075 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,284.66	241.32
23 05 48 13-0076 Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0077 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0076)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0078 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	262.36	90.50
23 05 48 13-0079 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	283.21	100.51
23 05 48 13-0080 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	450.89	200.78
23 05 48 13-0081 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	618.41	298.64
23 05 48 13-0082 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	807.48	385.51
23 05 48 13-0083 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,050.05	400.90
23 05 48 13-0084 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,284.18	457.88
23 05 48 13-0085 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,675.90	544.91
23 05 48 13-0086 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,905.02	681.53
23 05 48 13-0087 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0076)		
Note: With braided metal wire.		
23 05 48 13-0088 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	201.17	82.29
23 05 48 13-0089 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	186.63	113.18
23 05 48 13-0090 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	376.10	150.83
23 05 48 13-0091 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	480.08	226.24
23 05 48 13-0092 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	514.81	248.92
23 05 48 13-0093 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	595.12	301.41
23 05 48 13-0094 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	761.90	385.87
23 05 48 13-0095 EA 4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,425.66	532.35
23 05 48 13-0096 EA 4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,627.59	624.06
23 05 48 13-0097 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,061.24	480.12
23 05 48 13-0098 EA 6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,037.28	601.35
23 05 48 13-0099 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,777.28	641.44
23 05 48 13-0100 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,095.31	741.72
23 05 48 13-0101 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,736.38	801.81
23 05 48 13-0102 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0076)		
Note: 150 PSI.		
23 05 48 13-0103 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,204.10	174.96
23 05 48 13-0104 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,348.39	205.13
23 05 48 13-0105 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,035.25	344.75
23 05 48 13-0106 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,470.77	400.90
23 05 48 13-0107 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,266.32	491.77
23 05 48 13-0108 Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)		
23 05 48 13-0109 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0108)		
Note: MPT connection.		
23 05 48 13-0110 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	48.31	2.42
23 05 48 13-0111 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	57.96	2.42
23 05 48 13-0112 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.26	3.14
23 05 48 13-0113 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	78.47	3.14
23 05 48 13-0114 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.83	2.90
23 05 48 13-0115 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	78.59	2.90
23 05 48 13-0116 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	89.68	3.73
23 05 48 13-0117 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	111.11	3.73
23 05 48 13-0118 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.68	3.38
23 05 48 13-0119 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.13	3.38
23 05 48 13-0120 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.19	4.46
23 05 48 13-0121 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	146.54	4.46
23 05 48 13-0122 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	177.65	4.46
23 05 48 13-0123 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	208.86	4.46
23 05 48 13-0124 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	126.54	4.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0125 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	139.70	4.33
23 05 48 13-0126 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	179.81	4.33
23 05 48 13-0127 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	250.12	5.77
23 05 48 13-0128 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	290.53	5.77
23 05 48 13-0129 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	344.31	5.77
23 05 48 13-0130 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	173.56	5.22
23 05 48 13-0131 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	201.06	5.22
23 05 48 13-0132 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	254.32	5.22
23 05 48 13-0133 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	339.19	7.00
23 05 48 13-0134 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	420.36	7.00
23 05 48 13-0135 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	501.47	7.00
23 05 48 13-0136 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	241.49	6.56
23 05 48 13-0137 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	275.36	6.22
23 05 48 13-0138 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	309.57	6.22
23 05 48 13-0139 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	381.46	8.33
23 05 48 13-0140 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	450.26	8.33
23 05 48 13-0141 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	516.92	8.33
23 05 48 13-0142 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	381.50	8.33
23 05 48 13-0143 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	427.19	8.33
23 05 48 13-0144 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	790.18	8.33
23 05 48 13-0145 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	951.82	11.11
23 05 48 13-0146 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	662.39	11.11
23 05 48 13-0147 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	752.32	11.11
23 05 48 13-0148 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	700.92	9.84
23 05 48 13-0149 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	754.32	9.84
23 05 48 13-0150 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	807.72	9.84
23 05 48 13-0151 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	922.65	13.12
23 05 48 13-0152 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,029.03	13.12
23 05 48 13-0153 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,137.70	13.12

23 05 48 13-0154**Braided Stainless Steel Flexible Hose Connectors** (23 05 48 13-0108)

Note: Over braided carbon steel connection.

23 05 48 13-0155 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	207.22	5.29
23 05 48 13-0156 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	250.91	5.29
23 05 48 13-0157 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	293.78	5.29
23 05 48 13-0158 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	384.47	7.10
23 05 48 13-0159 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	471.37	7.10
23 05 48 13-0160 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	558.16	7.10
23 05 48 13-0161 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	234.81	6.22
23 05 48 13-0162 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	280.47	6.22
23 05 48 13-0163 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	326.34	6.22
23 05 48 13-0164 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	422.66	8.33
23 05 48 13-0165 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	514.02	8.33
23 05 48 13-0166 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	604.12	8.33
23 05 48 13-0167 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	248.36	8.33
23 05 48 13-0168 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	300.67	8.55
23 05 48 13-0169 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	353.72	8.33
23 05 48 13-0170 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	468.43	11.11
23 05 48 13-0171 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	573.97	11.11
23 05 48 13-0172 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	682.50	11.11
23 05 48 13-0173 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	501.02	16.23
23 05 48 13-0174 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	742.93	16.34
23 05 48 13-0175 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	996.51	21.52
23 05 48 13-0176 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,238.53	21.52
23 05 48 13-0177 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,480.47	21.52
23 05 48 13-0178 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	873.37	19.96
23 05 48 13-0179 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,056.40	19.96



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

Vibration and Seismic Controls for HVAC 23 05 48

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0180 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,432.70	25.95
23 05 48 13-0181 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,795.78	25.95
23 05 48 13-0182 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,158.77	25.95
23 05 48 13-0183 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	934.04	24.95
23 05 48 13-0184 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,391.63	24.95
23 05 48 13-0185 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,864.38	32.49
23 05 48 13-0186 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,323.56	32.49
23 05 48 13-0187 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,780.81	32.49
23 05 48 13-0188 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,861.44	30.16
23 05 48 13-0189 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,432.50	30.16
23 05 48 13-0190 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,041.96	40.58
23 05 48 13-0191 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,618.03	40.58
23 05 48 13-0192 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,196.80	40.58
23 05 48 13-0193 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0108)		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0194 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	352.19	5.22
23 05 48 13-0195 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	672.81	148.05
23 05 48 13-0196 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	820.23	148.05
23 05 48 13-0197 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	967.66	148.05
23 05 48 13-0198 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,115.14	148.05
23 05 48 13-0199 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	622.29	188.81
23 05 48 13-0200 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	777.64	188.81
23 05 48 13-0201 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	933.05	188.81
23 05 48 13-0202 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,088.52	188.81
23 05 48 13-0203 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,241.27	188.81
23 05 48 13-0204 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	872.15	316.53
23 05 48 13-0205 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,053.48	317.33
23 05 48 13-0206 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,237.76	316.53
23 05 48 13-0207 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,443.80	316.53
23 05 48 13-0208 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,601.24	316.53
23 05 48 13-0209 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,344.38	405.66
23 05 48 13-0210 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,755.24	405.66
23 05 48 13-0211 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,166.33	407.11
23 05 48 13-0212 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,577.25	405.66
23 05 48 13-0213 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,988.11	405.66
23 05 48 13-0214 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,220.49	510.07
23 05 48 13-0215 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,531.31	510.07
23 05 48 13-0216 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,147.57	510.07
23 05 48 13-0217 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,764.06	510.07
23 05 48 13-0218 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,380.27	510.07
23 05 48 13-0219 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,604.37	620.96
23 05 48 13-0220 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,378.77	620.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0221 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,158.36	620.96
23 05 48 13-0222 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,936.29	620.96
23 05 48 13-0223 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,564.99	620.96
23 05 48 13-0224 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,880.44	754.02
23 05 48 13-0225 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,863.12	754.02
23 05 48 13-0226 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,845.75	754.02
23 05 48 13-0227 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,828.38	754.02
23 05 48 13-0228 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,811.07	754.02

23 05 53 Identification for HVAC Piping and Equipment (23 05)**23 05 53 00-0001 Systems Identification** (23 05 53)**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker	21.15
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker	21.45
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker	21.61
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker	21.95
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker	25.53
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker	26.08
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker	41.59
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker	42.03
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker	42.49
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker	42.74
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker	43.00
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker	43.26
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker	45.33
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker	45.62
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker	56.27
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker	58.16
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker	66.97
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker	76.82

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.62
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.22
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.44
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.67
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.92
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.28
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.88
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.36
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.71
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.09
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.65
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.84
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.36
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.06
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.92
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.25
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	34.34

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass	12.64
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic	11.85
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass	11.60

23 05 53 00-0043 Medical Pipe Labels Pressure-Sensitive (23 05 53 00-0001)

23 05 53 00-0044 LF 3" Wide, Vinyl Medical Gas Pipe Pressure Sensitive Stick-On Label	23.22

Note: To be wrapped around pipe insulation per location

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures** (23 05 66)



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)..... Note: Includes tube.	1,125.22	91.73
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)..... Note: Includes tube.	1,174.60	96.27
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)..... Note: Includes tube.	1,177.68	100.40
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	1,232.70	105.49
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	1,334.16	110.02
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	1,201.28	113.46
23 05 66 00-0008		Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	942.95	63.53
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	955.61	68.76
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	979.86	72.89
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	991.70	78.39
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	1,016.76	82.52
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	1,035.22	86.64
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	1,059.47	92.14
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,074.96	63.53
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,087.62	68.76
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,111.87	72.89
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,123.71	78.39
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,148.77	82.52
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,167.23	86.64
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,191.48	92.14
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	748.96	68.76
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	773.21	72.89
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	785.05	78.39
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	810.12	82.52
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	828.57	86.64
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	852.82	92.14
23 05 66 00-0029		Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	691.23	88.02
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	706.30	92.14
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	721.37	96.27
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	741.76	100.40
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	768.23	105.49
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	791.50	110.02
23 05 66 00-0036		Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	182.72	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	192.15	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	218.57	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	252.60	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	287.37	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	278.50	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	134.47	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	141.62	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	160.36	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	166.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	186.28	
23 05 66 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	199.23	
23 05 66 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	217.97	
23 05 66 00-0050 EA Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	536.41	
23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)		
23 05 66 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	747.67	
Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)	955.96	
Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	435.59	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	461.09	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	593.24	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	369.33	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	400.69	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	522.32	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	515.09	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	19.39	
23 05 66 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	65.41	
23 05 66 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	22.49	
23 05 66 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	21.23	
23 05 66 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	60.24	
23 05 66 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	71.78	
23 05 66 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	63.74	
23 05 66 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	51.67	
23 05 66 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	48.80	
23 05 66 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	26.28	
23 05 66 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	54.89	
23 05 66 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	26.40	
23 05 66 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	104.82	
23 05 66 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	110.22	
23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) (23 05 66)		
23 05 66 00-0076 EA Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,527.01	127.21
23 05 66 00-0077 EA Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,707.50	134.09
23 05 66 00-0078 EA Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,772.02	144.40
23 05 66 00-0079 EA Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,854.08	154.72
23 05 66 00-0080 EA Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,909.82	165.03
23 05 66 00-0081 EA Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,300.96	171.90
23 05 66 00-0082 EA Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1).....	2,302.55	134.09
23 05 66 00-0083 EA Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1).....	2,393.39	144.40
23 05 66 00-0084 EA Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1).....	2,765.07	154.72
23 05 66 00-0085 EA Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1).....	2,873.47	165.03
23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) (23 05 66)		
Note: Includes 2 Year Warranty		
23 05 66 00-0087 EA Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218D-HO)	975.02	134.09
23 05 66 00-0088 EA Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218Q-HO).....	1,601.74	134.09
23 05 66 00-0089 EA Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218H-HO)	2,229.31	134.09
23 05 66 00-0090 EA Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224D-HO)	1,005.78	144.40
23 05 66 00-0091 EA Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224Q-HO).....	1,640.93	144.40
23 05 66 00-0092 EA Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224H-HO)	2,276.93	144.40
23 05 66 00-0093 EA Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232D-HO)	1,034.84	154.72
23 05 66 00-0094 EA Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232Q-HO).....	1,680.12	154.72
23 05 66 00-0095 EA Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232H-HO)	2,324.55	154.72
23 05 66 00-0096 EA Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246D-HO)	1,145.99	171.90
23 05 66 00-0097 EA Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246Q-HO).....	1,852.84	171.90
23 05 66 00-0098 EA Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246H-HO)	2,559.69	171.90
23 05 66 00-0099 EA Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260D-HO)	1,334.73	189.10
23 05 66 00-0100 EA Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260Q-HO).....	2,196.79	189.10
23 05 66 00-0101 EA Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260H-HO)	3,058.00	189.10

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002 EA Balancing Centrifugal Fans.....	530.70	
For Testing Of Unit Without Balancing, Deduct	-265.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0003 EA Balancing Heating And Ventilating Units 663.11 For Testing Of Unit Without Balancing, Deduct .....-331.56		
23 05 93 00-0004 EA Balancing In Line Fan 597.03 For Testing Of Unit Without Balancing, Deduct .....-298.52		
23 05 93 00-0005 EA Balancing Propeller And Wall Fan 132.67 For Testing Of Unit Without Balancing, Deduct .....-66.34		
23 05 93 00-0006 EA Balancing Roof Exhaust Fan 397.99 For Testing Of Unit Without Balancing, Deduct .....-199.00		
23 05 93 00-0007 EA Balancing Wall Fan 99.48 For Testing Of Unit Without Balancing, Deduct .....-49.74		
23 05 93 00-0008 EA Balancing Fan Section Exhaust 529.85 For Testing Of Unit Without Balancing, Deduct .....-264.93		
23 05 93 00-0009 Air Conditioning Equipment ^(23 05 93)		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit 888.98 For Testing Of Unit Without Balancing, Deduct .....-444.49		
23 05 93 00-0011 EA Balancing Package A/C Unit 333.37 For Testing Of Unit Without Balancing, Deduct .....-166.69		
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit 444.50 For Testing Of Unit Without Balancing, Deduct .....-222.25		
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit 1,555.71 For Testing Of Unit Without Balancing, Deduct .....-777.86		
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers ^(23 05 93)		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser 99.50 For Testing Of Unit Without Balancing, Deduct .....-49.75		
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser 165.84 For Testing Of Unit Without Balancing, Deduct .....-82.92		
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser 86.23 For Testing Of Unit Without Balancing, Deduct .....-43.12		
23 05 93 00-0018 EA Balance Variable Air Volume Box 93.43 For Testing Of Unit Without Balancing, Deduct .....-46.72		
23 05 93 00-0019 EA Balance Constant Volume Box 93.43 For Testing Of Unit Without Balancing, Deduct .....-46.72		
23 05 93 00-0020 EA Balance Fan Powered Box 106.14 For Testing Of Unit Without Balancing, Deduct .....-53.07		
23 05 93 00-0021 EA Balance Lab Fume Hood 431.20 For Testing Of Unit Without Balancing, Deduct .....-215.60		
23 05 93 00-0022 EA Balance General Hood 331.69 For Testing Of Unit Without Balancing, Deduct .....-165.85		
23 05 93 00-0023 EA Balance Induction Unit 199.02 For Testing Of Unit Without Balancing, Deduct .....-99.51		
23 05 93 00-0024 EA Balance Moduline - Master 79.58 For Testing Of Unit Without Balancing, Deduct .....-39.79		
23 05 93 00-0025 EA Balance Moduline - Slave 39.80 For Testing Of Unit Without Balancing, Deduct .....-19.90		
23 05 93 00-0026 EA Balance Dampers 36.96 For Testing Of Unit Without Balancing, Deduct .....-18.48		
23 05 93 00-0027 EA Balance Regenerators 529.85 For Testing Of Unit Without Balancing, Deduct .....-264.93		
23 05 93 00-0028 Water Balancing Of Components ^(23 05 93)		
23 05 93 00-0029 EA Water Balance, Air-Cool Condenser 611.23 For Testing Of Unit Without Balancing, Deduct .....-305.62		
23 05 93 00-0030 EA Water Balance, Cabinet Heater 77.79 For Testing Of Unit Without Balancing, Deduct .....-38.90		
23 05 93 00-0031 EA Water Balance, Chiller, Air-Cooled 666.68 For Testing Of Unit Without Balancing, Deduct .....-333.34		
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled 888.98 For Testing Of Unit Without Balancing, Deduct .....-444.49		
23 05 93 00-0033 EA Water Balance, Cooling Tower 444.50 For Testing Of Unit Without Balancing, Deduct .....-222.25		
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent 111.19 For Testing Of Unit Without Balancing, Deduct .....-55.60		
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel 111.12 For Testing Of Unit Without Balancing, Deduct .....-55.56		
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil 122.23 For Testing Of Unit Without Balancing, Deduct .....-61.12		
23 05 93 00-0037 EA Water Balance, Pumps 333.38 For Testing Of Unit Without Balancing, Deduct .....-166.69		
23 05 93 00-0038 EA Water Balance, Unit Heater 77.79 For Testing Of Unit Without Balancing, Deduct .....-38.90		
23 05 93 00-0039 EA Water Balancing, Converter 333.50 For Testing Of Unit Without Balancing, Deduct .....-166.75		
23 05 93 00-0040 EA Water Balancing, Cocks And Valves 55.55 For Testing Of Unit Without Balancing, Deduct .....-27.78		
23 05 93 00-0041 EA Water Balance, Convactor 66.66 For Testing Of Unit Without Balancing, Deduct .....-33.33		
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves 83.34 For Testing Of Unit Without Balancing, Deduct .....-41.67		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC**

23 05 93 Testing, Adjusting, and Balancing for HVAC



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH..... <i>For Testing Of Unit Without Balancing, Deduct</i>	722.30 -361.15	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler <i>For Testing Of Unit Without Balancing, Deduct</i>	1,333.48 -666.74	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler <i>For Testing Of Unit Without Balancing, Deduct</i>	2,444.70 -1,222.35	
23 05 93 00-0046		Non-Destructive Testing (23 05 93)		
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048		Minimum Charge For X-Ray Welds (23 05 93 00-0047)		
23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	927.31	
23 05 93 00-0050		Piping, X-Ray Welds, Non-Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing.....	91.29	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	103.92	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing.....	116.55	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	123.16	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	129.76	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	136.92	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	150.12	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	163.34	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	170.51	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	182.87	
23 05 93 00-0061		Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062		Piping, Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	79.22	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	85.25	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	91.28	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	94.30	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	98.83	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	103.36	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	112.40	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	121.45	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	130.51	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	139.55	
23 05 93 00-0073		Hydrostatic Testing (23 05 93 00-0046) Note: Includes flushing and restoring of system.		
23 05 93 00-0074		Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	793.82	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,134.02	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,358.78	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,809.91	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,742.28	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,055.46	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,508.25	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,795.54	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,352.86	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,559.47	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,375.53	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,960.73	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,068.65	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,710.09	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,099.86	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,785.78	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,545.92	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,689.77	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,527.92	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	5,345.34	
23 05 93 00-0095		Pneumatic Testing (23 05 93 00-0046) Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing With Inert Gas (23 05 93 00-0095)		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	902.07	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,287.51	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,390.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,779.81	
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,782.89	
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,177.11	
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,671.89	
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,807.24	
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,314.36	
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,617.49	
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,417.61	
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,001.11	
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,262.87	
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,890.06	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	4,524.00	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,845.76	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,601.52	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,942.44	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,757.47	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	5,889.97	
23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead	1,081.69	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	104.81	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,660.96	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water	1,259.36	

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001	FSK Fiber Glass Duct Wrap Insulation (23 07 13)		
	Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.		
23 07 13 00-0002	Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0003	SF 1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.07	2.34
	For Plain Blanket, With No Facing, Deduct	-0.38	
	For Work In Restricted Working Space, Add	0.93	
23 07 13 00-0004	SF 1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.74	2.34
	For Plain Blanket, With No Facing, Deduct	-0.44	
	For Work In Restricted Working Space, Add	1.09	
23 07 13 00-0005	SF 2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.37	3.49
	For Plain Blanket, With No Facing, Deduct	-0.48	
	For Work In Restricted Working Space, Add	1.25	
23 07 13 00-0006	SF 3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.35	4.08
	For Plain Blanket, With No Facing, Deduct	-0.59	
	For Work In Restricted Working Space, Add	1.46	
23 07 13 00-0007	SF 4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.60	4.43
	For Plain Blanket, With No Facing, Deduct	-0.94	
	For Work In Restricted Working Space, Add	1.58	
23 07 13 00-0008	Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009	SF 1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.99	3.49
	For Plain Blanket, With No Facing, Deduct	-0.44	
	For Work In Restricted Working Space, Add	1.17	
23 07 13 00-0010	SF 1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.82	4.08
	For Plain Blanket, With No Facing, Deduct	-0.54	
	For Work In Restricted Working Space, Add	1.34	
23 07 13 00-0011	SF 2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	6.88	4.66
	For Plain Blanket, With No Facing, Deduct	-0.63	
	For Work In Restricted Working Space, Add	1.59	
23 07 13 00-0012	Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0013 SF 1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.55 -0.75 1.40	4.66
23 07 13 00-0014 SF 1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.61 -1.30 1.61	5.25
23 07 13 00-0015 SF 2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.04 -1.53 1.86	5.83
23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	10.96 25.27 18.72 15.43 3.11	6.51
23 07 13 00-0018 SF 1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	14.03 31.24 23.48 19.27 3.78	7.92
23 07 13 00-0019 SF 2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	17.45 38.06 28.85 23.62 4.56	9.56
23 07 13 00-0020 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	12.29 3.42	7.16
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	15.88 4.16	8.71
23 07 13 00-0023 SF 2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	20.28 5.02	10.52
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation 23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation 23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation 23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation 23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation 23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation	10.52 11.25 15.01 17.40 24.41 28.97	3.15 3.32 3.49 3.67 4.02 4.37
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation..... 23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation..... 23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation..... 23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation..... 23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.95 17.59 19.66 31.17 37.05	3.32 3.49 3.67 4.02 4.37
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation 23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation 23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation 23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.30 20.94 23.59 35.07	3.32 3.49 3.67 4.02
23 07 16 HVAC Equipment Insulation (23 07)		
23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i> 23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i> 23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i> 23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i> 23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	18.88 4.69 22.46 5.28 26.84 6.11 31.93 7.15 39.04 8.80	7.82 8.80 10.14 11.91 14.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 HVAC Piping Insulation ^(23 07)		
See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation ^(23 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation ^(23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.60	3.83
For Work In Restricted Working Space, Add	2.87	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.60	3.83
For Work In Restricted Working Space, Add	2.87	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.52	3.89
For Work In Restricted Working Space, Add	2.92	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.75	3.94
For Work In Restricted Working Space, Add	2.96	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.93	4.00
For Work In Restricted Working Space, Add	3.00	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.95	4.11
For Work In Restricted Working Space, Add	3.08	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.69	4.28
For Work In Restricted Working Space, Add	3.20	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.42	4.39
For Work In Restricted Working Space, Add	3.29	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.87	4.72
For Work In Restricted Working Space, Add	3.54	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	22.14	5.33
For Work In Restricted Working Space, Add	3.99	
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation ^(23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.28	3.99
For Work In Restricted Working Space, Add	2.99	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.36	3.99
For Work In Restricted Working Space, Add	2.99	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.45	4.23
For Work In Restricted Working Space, Add	3.17	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.10	4.31
For Work In Restricted Working Space, Add	3.23	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.77	4.39
For Work In Restricted Working Space, Add	3.29	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.07	4.63
For Work In Restricted Working Space, Add	3.47	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.95	4.71
For Work In Restricted Working Space, Add	3.53	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.72	4.87
For Work In Restricted Working Space, Add	3.65	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.06	5.27
For Work In Restricted Working Space, Add	3.95	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	26.75	6.14
For Work In Restricted Working Space, Add	4.61	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	31.31	6.48
For Work In Restricted Working Space, Add	4.87	
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	39.39	7.76
For Work In Restricted Working Space, Add	5.82	
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	46.30	9.04
For Work In Restricted Working Space, Add	6.78	
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	51.56	9.91
For Work In Restricted Working Space, Add	7.43	
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	61.52	12.62
For Work In Restricted Working Space, Add	9.46	
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	66.25	13.24
For Work In Restricted Working Space, Add	9.93	
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation ^(23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.33	4.39
For Work In Restricted Working Space, Add	3.29	
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.79	4.39
For Work In Restricted Working Space, Add	3.29	
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.41	4.44
For Work In Restricted Working Space, Add	3.33	
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.22	4.50
For Work In Restricted Working Space, Add	3.38	
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.78	4.55
For Work In Restricted Working Space, Add	3.41	
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.71	4.72
For Work In Restricted Working Space, Add	3.54	
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.34	4.88
For Work In Restricted Working Space, Add	3.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.80	5.05
		<i>For Work In Restricted Working Space, Add</i>	3.79	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.56	5.33
		<i>For Work In Restricted Working Space, Add</i>	4.00	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	35.00	6.39
		<i>For Work In Restricted Working Space, Add</i>	4.80	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	39.52	6.75
		<i>For Work In Restricted Working Space, Add</i>	5.06	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	48.64	8.07
		<i>For Work In Restricted Working Space, Add</i>	6.06	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	55.78	9.68
		<i>For Work In Restricted Working Space, Add</i>	7.25	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	68.49	13.49
		<i>For Work In Restricted Working Space, Add</i>	10.12	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	72.04	13.49
		<i>For Work In Restricted Working Space, Add</i>	10.12	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	77.20	14.17
		<i>For Work In Restricted Working Space, Add</i>	10.63	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	91.94	16.20
		<i>For Work In Restricted Working Space, Add</i>	12.15	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	107.15	19.56
		<i>For Work In Restricted Working Space, Add</i>	14.68	
23 07 19 00-0049		2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.18	5.05
		<i>For Work In Restricted Working Space, Add</i>	3.80	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.65	5.05
		<i>For Work In Restricted Working Space, Add</i>	3.80	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.07	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.86	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.29	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.90	5.22
		<i>For Work In Restricted Working Space, Add</i>	3.91	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.96	5.44
		<i>For Work In Restricted Working Space, Add</i>	4.07	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.14	5.62
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.63	5.82
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	34.17	6.13
		<i>For Work In Restricted Working Space, Add</i>	4.60	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.49	6.97
		<i>For Work In Restricted Working Space, Add</i>	5.23	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	48.47	7.77
		<i>For Work In Restricted Working Space, Add</i>	5.83	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	57.86	8.96
		<i>For Work In Restricted Working Space, Add</i>	6.72	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	67.40	11.14
		<i>For Work In Restricted Working Space, Add</i>	8.36	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	74.54	12.16
		<i>For Work In Restricted Working Space, Add</i>	9.12	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	90.56	15.55
		<i>For Work In Restricted Working Space, Add</i>	11.66	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	95.63	16.32
		<i>For Work In Restricted Working Space, Add</i>	12.24	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	110.92	18.66
		<i>For Work In Restricted Working Space, Add</i>	13.99	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	130.37	22.54
		<i>For Work In Restricted Working Space, Add</i>	16.90	
23 07 19 00-0068		3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.17	5.60
		<i>For Work In Restricted Working Space, Add</i>	4.20	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.27	5.60
		<i>For Work In Restricted Working Space, Add</i>	4.20	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.54	5.66
		<i>For Work In Restricted Working Space, Add</i>	4.25	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.85	5.70
		<i>For Work In Restricted Working Space, Add</i>	4.27	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.13	5.76
		<i>For Work In Restricted Working Space, Add</i>	4.32	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.15	5.97
		<i>For Work In Restricted Working Space, Add</i>	4.48	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.52	6.17
		<i>For Work In Restricted Working Space, Add</i>	4.63	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.24	6.39
		<i>For Work In Restricted Working Space, Add</i>	4.80	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	41.46	6.76
		<i>For Work In Restricted Working Space, Add</i>	5.06	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.16	7.66
		<i>For Work In Restricted Working Space, Add</i>	5.75	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Insulation 23 07

HVAC Piping Insulation 23 07 19

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.07 6.41	8.55
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.77 7.40	9.86
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	78.34 9.19	12.25
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	86.95 10.04	13.38
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	101.85 12.82	17.10
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	109.79 13.46	17.95
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	128.52 15.40	20.53
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	152.06 18.60	24.80
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.09 4.60	6.13
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.47 4.60	6.13
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.57 4.63	6.17
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.68 4.66	6.21
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.88 4.72	6.29
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.31 4.88	6.50
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.91 5.05	6.74
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.55 5.23	6.97
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.12 5.53	7.37
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.39 6.27	8.37
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	73.48 6.99	9.32
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	89.26 8.07	10.75
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	108.08 10.03	13.37
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	113.90 10.95	14.59
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	132.94 13.99	18.66
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	152.57 14.69	19.58
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	164.74 16.80	22.40
23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.26 5.11	6.82
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.31 5.11	6.82
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.61 5.20	6.93
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.88 5.26	7.01
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.69 5.42	7.23
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	51.75 5.59	7.45
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	56.47 5.68	7.57
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	58.11 5.89	7.85
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	65.92 6.21	8.29
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	76.24 7.05	9.40
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	90.79 7.86	10.48
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	104.55 9.08	12.11
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	119.15 11.28	15.04
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	126.75 12.32	16.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	150.20 15.75	21.00
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	159.72 16.51	22.01
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	176.82 18.89	25.19
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET) <i>For Work In Restricted Working Space, Add</i>	6.11 1.08	

23 08 Commissioning of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC (23)**23 09 23 Direct-Digital Control System for HVAC** (23 09)**23 09 23 11 Control Valves** (23 09 23)**23 09 23 11-0001 Valves With Actuator** (23 09 23 11)

23 09 23 11-0002 EA 1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	863.73	15.57
23 09 23 11-0003 EA 3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	890.80	20.99
23 09 23 11-0004 EA 1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	973.72	25.41
23 09 23 11-0005 EA 1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,060.32	32.17
23 09 23 11-0006 EA 1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,207.56	37.13
23 09 23 11-0007 EA 2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,363.80	43.87
23 09 23 11-0008 EA 2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,547.75	87.75
23 09 23 11-0009 EA 3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,758.17	102.69
23 09 23 11-0010 EA 4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,716.80	150.83
23 09 23 11-0011 EA 5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,469.12	217.97
23 09 23 11-0012 EA 6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	6,057.92	241.32
23 09 23 11-0013 EA 1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	925.92	23.35
23 09 23 11-0014 EA 3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	950.72	31.48
23 09 23 11-0015 EA 1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,027.96	38.10
23 09 23 11-0016 EA 1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,136.53	48.27
23 09 23 11-0017 EA 1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,462.99	55.69
23 09 23 11-0018 EA 2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,620.89	65.82
23 09 23 11-0019 EA 2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,855.23	131.64
23 09 23 11-0020 EA 3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,133.75	154.03
23 09 23 11-0021 EA 4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,559.24	226.24
23 09 23 11-0022 EA 5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,613.63	326.95
23 09 23 11-0023 EA 6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,352.97	361.98
23 09 23 11-0024 EA 1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	158.13	15.57
23 09 23 11-0025 EA 3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	185.05	20.99
23 09 23 11-0026 EA 1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	233.70	25.41
23 09 23 11-0027 EA 1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	190.98	23.35
23 09 23 11-0028 EA 3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	220.85	31.48
23 09 23 11-0029 EA 1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	276.92	38.10
23 09 23 11-0030 EA 1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	269.01	15.57
23 09 23 11-0031 EA 3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	317.48	20.99
23 09 23 11-0032 EA 1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	360.26	25.41
23 09 23 11-0033 EA 1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	469.22	32.17
23 09 23 11-0034 EA 1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	483.18	37.13
23 09 23 11-0035 EA 2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	617.49	43.87
23 09 23 11-0036 EA 2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,330.19	87.75
23 09 23 11-0037 EA 3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,561.95	102.69
23 09 23 11-0038 EA 1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	323.41	23.35
23 09 23 11-0039 EA 3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	371.47	31.48
23 09 23 11-0040 EA 1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	480.86	38.10
23 09 23 11-0041 EA 1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	685.58	48.27
23 09 23 11-0042 EA 1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	720.00	55.69
23 09 23 11-0043 EA 2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	958.77	65.82
23 09 23 11-0044 EA 2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	767.62	80.44
23 09 23 11-0045 EA 2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	804.15	87.75
23 09 23 11-0046 EA 3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	1,064.46	102.69
23 09 23 11-0047 EA 4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,616.34	172.37
23 09 23 11-0048 EA 5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	3,328.31	217.97
23 09 23 11-0049 EA 6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,504.91	241.32
23 09 23 11-0050 EA 8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,797.92	275.80
23 09 23 11-0051 EA 10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,886.92	337.85
23 09 23 11-0052 EA 12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	7,280.07	409.52
23 09 23 11-0053 EA 14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	8,073.83	482.64
23 09 23 11-0054 EA 16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	10,739.82	530.91
23 09 23 11-0055 EA 18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	13,047.55	589.79
23 09 23 11-0056 EA 2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,434.69	120.66
23 09 23 11-0057 EA 2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,696.17	131.64
23 09 23 11-0058 EA 3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	2,098.91	154.03
23 09 23 11-0059 EA 4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,656.97	258.56

**Heating, Ventilating, and Air-Conditioning (HVAC)****23****Instrumentation and Control for HVAC 23 09****Direct-Digital Control System for HVAC 23 09 23****23**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	5,560.55	326.95	
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	5,743.35	361.98	
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	7,265.19	413.74	
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	9,640.88	506.77	
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	11,719.46	614.27	
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	18,426.88	723.96	
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	20,553.35	796.36	
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	31,834.71	884.69	
23 09 23 11-0068 Valve Actuators (23 09 23 11)					
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	497.36	99.69	
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	506.05	99.69	
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	605.55	99.69	
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	578.27	99.69	
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	590.95	99.69	
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	674.28	99.69	
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	773.96	99.69	
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	791.14	99.69	
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	832.57	99.69	
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	588.00	99.69	
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	674.92	99.69	
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	633.00	99.69	
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	645.72	99.69	
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-S-14).....	650.47	99.69	
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	736.96	99.69	
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	774.25	99.69	
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	794.06	99.69	
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	790.12	99.69	
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	802.81	99.69	
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	802.01	99.69	
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	884.30	99.69	
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	1,092.42	99.69	
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	694.10	99.69	
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	846.47	99.69	
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	2,041.37	99.69	
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	2,301.60	99.69	
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,783.22	99.69	
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	3,166.45	99.69	
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,767.08	99.69	
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	4,455.80	99.69	
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	6,039.50	99.69	
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	7,395.46	99.69	
23 09 23 12 Control Dampers (23 09 23)					
23 09 23 12-0001		Rectangular Volume Control Dampers (Ruskin) (23 09 23 12) Note: Excludes actuators.			
23 09 23 12-0002		Rectangular Volume Control Dampers (Ruskin CD36) (23 09 23 12-0001)			
23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36).....	202.32	49.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36).....	217.01	49.76
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36).....	234.76	49.76
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36).....	308.94	66.34
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36).....	335.26	66.34
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36).....	349.95	66.34
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36).....	388.50	66.34
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36).....	459.62	82.93
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36).....	217.01	49.76
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36).....	225.58	49.76
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36).....	276.50	66.34
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36).....	317.51	66.34
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36).....	377.61	82.93
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36).....	392.30	82.93
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36).....	430.24	82.93
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36).....	501.36	99.50
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36).....	234.76	49.76
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36).....	288.13	66.34
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36).....	297.92	66.34
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36).....	359.86	82.93
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36).....	389.24	82.93
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36).....	442.60	99.50
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36).....	475.04	99.50
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36).....	510.54	99.50
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36).....	308.94	66.34
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36).....	270.99	66.34
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36).....	330.48	82.93
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36).....	368.43	82.93
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36).....	425.47	99.50
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36).....	460.35	99.50
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36).....	523.51	116.09
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36).....	555.34	116.09
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36).....	270.99	66.34
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36).....	312.73	82.93
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36).....	339.05	82.93
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36).....	413.23	99.50
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36).....	440.16	99.50
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36).....	505.15	116.09
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36).....	543.71	116.09
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36).....	573.09	116.09
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36).....	276.50	66.34
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36).....	318.85	82.93
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36).....	375.28	99.50
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36).....	422.41	99.50
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36).....	478.83	116.09
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36).....	514.33	116.09
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36).....	546.77	116.09
23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36).....	590.84	116.09
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36).....	279.56	66.34
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36).....	321.30	82.93
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36).....	383.85	99.50
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36).....	458.64	116.09
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36).....	493.52	116.09
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36).....	525.96	116.09
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36).....	561.46	116.09
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36).....	635.63	132.67
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36).....	324.36	82.93
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36).....	366.71	99.50
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36).....	393.03	99.50
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36).....	467.21	116.09
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36).....	505.15	116.09
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36).....	543.71	116.09
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36).....	606.25	132.67
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36).....	647.26	132.67
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36).....	682.75	132.67
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36).....	720.70	132.67
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36).....	753.14	132.67
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36).....	791.09	132.67
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36).....	829.65	132.67
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36).....	861.47	132.67
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36).....	905.54	132.67
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36).....	974.21	149.26
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36).....	1,039.08	149.26
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36).....	1,237.39	149.26
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36).....	1,237.39	149.26
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36).....	1,323.07	149.26
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36).....	697.44	132.67
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36).....	735.39	132.67
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36).....	773.34	132.67
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36).....	814.96	132.67
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36).....	849.84	132.67
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36).....	915.45	149.26

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	.....	959.52	149.26
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	.....	1,000.53	149.26
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	.....	1,062.34	149.26
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	.....	1,270.44	149.26
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	.....	1,270.44	149.26
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	.....	1,356.12	149.26
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	.....	714.58	132.67
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	.....	753.14	132.67
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	.....	791.09	132.67
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	.....	832.09	132.67
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	.....	900.76	149.26
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	.....	941.77	149.26
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	.....	980.33	149.26
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	.....	1,026.84	149.26
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	.....	1,088.66	149.26
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	.....	1,309.61	149.26
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	.....	1,309.61	149.26
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	.....	1,429.09	165.84
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	.....	697.44	132.67
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	.....	735.39	132.67
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	.....	773.34	132.67
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	.....	814.96	132.67
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	.....	849.84	132.67
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	.....	915.45	149.26
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	.....	959.52	149.26
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	.....	1,000.53	149.26
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	.....	1,062.34	149.26
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	.....	1,270.44	149.26
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	.....	1,270.44	149.26
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	.....	1,356.12	149.26
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	.....	714.58	132.67
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	.....	753.14	132.67
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	.....	791.09	132.67
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	.....	832.09	132.67
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	.....	900.76	149.26
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	.....	941.77	149.26
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	.....	980.33	149.26
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	.....	1,026.84	149.26
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	.....	1,088.66	149.26
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	.....	1,309.61	149.26
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	.....	1,309.61	149.26
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	.....	1,429.09	165.84
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	.....	732.33	132.67
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	.....	770.89	132.67
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	.....	811.90	132.67
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	.....	886.07	149.26
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	.....	924.02	149.26
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	.....	959.52	149.26
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	.....	1,003.59	149.26
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	.....	1,047.65	149.26
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36)	.....	1,118.04	149.26
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36)	.....	1,382.57	165.84
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36)	.....	1,382.57	165.84
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36)	.....	1,468.87	165.84
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36)	.....	1,146.68	132.67
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36)	.....	1,205.44	132.67
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36)	.....	1,329.81	149.26
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36)	.....	1,411.82	149.26
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36)	.....	1,470.58	149.26
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36)	.....	1,538.51	149.26
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36)	.....	1,626.65	149.26
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36)	.....	1,720.29	149.26
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36)	.....	1,865.47	165.84
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36)	.....	2,076.63	165.84
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36)	.....	2,077.24	165.84
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36)	.....	2,208.83	165.84
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36)	.....	1,158.31	132.67
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36)	.....	1,259.42	149.26
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36)	.....	1,347.56	149.26
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36)	.....	1,421.00	149.26
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36)	.....	1,488.33	149.26
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36)	.....	1,564.83	149.26
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36)	.....	1,649.91	149.26
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36)	.....	1,788.97	165.84
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36)	.....	1,906.48	165.84
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36)	.....	2,076.63	165.84
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36)	.....	2,076.63	165.84
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36)	.....	2,208.83	165.84
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36)	.....	1,209.23	149.26
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36)	.....	1,285.74	149.26
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36)	.....	1,370.81	149.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36).....	1,447.32	149.26
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36).....	1,529.33	149.26
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36).....	1,591.15	149.26
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36).....	1,709.40	165.84
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36).....	1,812.23	165.84
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36).....	1,947.49	165.84
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36).....	2,142.73	165.84
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36).....	2,142.73	165.84
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36).....	2,314.72	165.84
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36).....	1,226.98	149.26
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36).....	1,312.06	149.26
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36).....	1,394.07	149.26
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36).....	1,467.52	149.26
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36).....	1,550.14	149.26
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36).....	1,650.65	165.84
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36).....	1,733.27	165.84
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36).....	1,833.04	165.84
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36).....	1,988.50	165.84
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36).....	2,142.73	165.84
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36).....	2,142.73	165.84
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36).....	2,347.89	182.43
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36).....	1,241.67	149.26
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36).....	1,329.81	149.26
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36).....	1,408.76	149.26
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36).....	1,488.33	149.26
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36).....	1,606.58	165.84
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36).....	1,676.96	165.84
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36).....	1,768.16	165.84
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36).....	1,859.35	165.84
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36).....	2,012.37	165.84
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36).....	2,208.83	165.84
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36).....	2,242.00	182.43
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36).....	2,413.99	182.43
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36).....	1,258.81	149.26
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36).....	1,347.56	149.26
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36).....	1,421.00	149.26
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36).....	1,542.31	165.84
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36).....	1,630.45	165.84
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36).....	1,703.89	165.84
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36).....	1,806.72	165.84
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36).....	1,885.67	165.84
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36).....	2,035.62	165.84
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36).....	2,242.00	182.43
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36).....	2,242.00	182.43
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36).....	2,413.99	182.43
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36).....	1,276.56	149.26
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36).....	1,362.24	149.26
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36).....	1,477.44	165.84
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36).....	1,565.57	165.84
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36).....	1,653.71	165.84
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36).....	1,727.15	165.84
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36).....	1,829.98	165.84
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36).....	1,929.74	165.84
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36).....	2,095.11	182.43
23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36).....	2,308.10	182.43
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36).....	2,308.10	182.43
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36).....	2,480.09	182.43
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36).....	1,294.31	149.26
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36).....	1,379.38	149.26
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36).....	1,500.70	165.84
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36).....	1,598.01	165.84
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36).....	1,676.96	165.84
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36).....	1,750.41	165.84
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36).....	1,853.23	165.84
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36).....	1,980.66	182.43
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36).....	2,121.43	182.43
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36).....	2,308.10	182.43
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36).....	2,308.10	182.43
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36).....	2,480.09	182.43
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36).....	1,305.94	149.26
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36).....	1,427.25	165.84
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36).....	1,524.57	165.84
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36).....	1,630.45	165.84
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36).....	1,694.71	165.84
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36).....	1,774.28	165.84
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36).....	1,910.27	182.43
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36).....	2,013.10	182.43
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36).....	2,148.36	182.43
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36).....	2,387.67	182.43
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36).....	2,387.67	182.43
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36).....	2,559.65	182.43



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0247 Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) (23 09 23 12-0001)				
23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	348.05	49.76
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	435.95	49.76
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	496.57	49.76
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	538.83	66.34
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	602.49	66.34
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	660.08	66.34
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	669.17	66.34
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	762.96	82.93
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	348.05	49.76
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	435.95	49.76
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	529.74	66.34
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	538.83	66.34
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	635.66	82.93
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	693.25	82.93
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	702.34	82.93
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	796.13	99.50
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	360.17	49.76
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	490.34	66.34
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	560.05	66.34
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	599.28	82.93
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	669.00	82.93
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	762.79	99.50
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	771.88	99.50
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	847.66	99.50
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	417.59	66.34
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	529.74	66.34
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	635.66	82.93
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	644.75	82.93
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	738.54	99.50
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	817.35	99.50
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	871.74	116.09
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	932.36	116.09
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	441.84	66.34
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	587.16	82.93
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	659.91	82.93
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	705.20	99.50
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	787.04	99.50
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	895.99	116.09
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	911.14	116.09
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	986.92	116.09
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	453.96	66.34
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	608.38	82.93
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	720.36	99.50
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	735.51	99.50
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	856.58	116.09
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	935.39	116.09
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	941.45	116.09
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,038.45	116.09
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	481.24	66.34
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	641.72	82.93
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	771.88	99.50
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	814.15	116.09
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	911.14	116.09
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	983.89	116.09
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,002.07	116.09
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,123.14	132.67
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	541.69	82.93
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	702.17	99.50
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	796.13	99.50
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	838.40	116.09
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	941.45	116.09
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	1,041.48	116.09
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,080.70	132.67
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,180.73	132.67
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,268.63	132.67
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,289.84	132.67
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,392.90	132.67
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,486.87	132.67
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,508.08	132.67
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,595.98	132.67
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,686.92	132.67
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,738.27	149.26
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,832.24	149.26
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,505.89	149.26
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,505.89	149.26
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,552.12	149.26
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,332.28	132.67
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,350.47	132.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,450.49	132.67
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,559.61	132.67
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,568.70	132.67
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,701.90	149.26
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,804.96	149.26
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,832.24	149.26
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,935.29	149.26
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,646.08	149.26
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,646.08	149.26
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,685.49	149.26
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,383.81	132.67
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,411.09	132.67
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,514.14	132.67
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,635.39	132.67
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,677.65	149.26
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,780.71	149.26
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,895.89	149.26
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,923.17	149.26
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,023.19	149.26
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,758.99	149.26
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,758.99	149.26
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,852.03	165.84
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,332.28	132.67
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,350.47	132.67
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,450.49	132.67
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,559.61	132.67
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,568.70	132.67
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,701.90	149.26
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,804.96	149.26
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,832.24	149.26
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,935.29	149.26
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,646.08	149.26
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,646.08	149.26
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,685.49	149.26
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,383.81	132.67
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,411.09	132.67
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,450.49	132.67
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,559.61	132.67
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,677.65	149.26
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,780.71	149.26
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,895.89	149.26
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,923.17	149.26
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,023.19	149.26
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,758.99	149.26
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,758.99	149.26
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,852.03	165.84
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,441.40	132.67
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,465.65	132.67
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,583.86	132.67
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,738.27	149.26
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,762.52	149.26
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,862.55	149.26
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,977.73	149.26
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,998.95	149.26
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,111.10	149.26
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,918.72	165.84
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,918.72	165.84
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,972.52	165.84
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,623.26	132.67
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,647.51	132.67
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,811.02	149.26
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,956.51	149.26
23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,980.76	149.26
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.94	149.26
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,220.21	149.26
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,268.71	149.26
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,456.48	165.84
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,199.35	165.84
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,199.35	165.84
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,359.24	165.84
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,686.92	132.67
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,750.40	149.26
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,880.73	149.26
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,047.44	149.26
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,074.72	149.26
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,199.00	149.26
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,329.33	149.26
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,407.98	165.84
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,535.29	165.84
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,199.35	165.84
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,199.35	165.84



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,359.24	165.84
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	1,786.77	149.26
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	1,811.02	149.26
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	1,965.60	149.26
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,120.19	149.26
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,150.50	149.26
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,280.84	149.26
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,456.48	165.84
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,486.79	165.84
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,641.37	165.84
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,532.77	165.84
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,532.77	165.84
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,585.81	165.84
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,402.08	149.26
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,429.36	149.26
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,674.88	149.26
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,832.49	149.26
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,887.05	149.26
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,096.03	165.84
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,290.02	165.84
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,338.52	165.84
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,499.17	165.84
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,532.77	165.84
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,532.77	165.84
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,618.98	182.43
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,459.67	149.26
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,489.98	149.26
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,723.37	149.26
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,911.30	149.26
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,989.95	165.84
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,174.84	165.84
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,374.89	165.84
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,420.36	165.84
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,623.44	165.84
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,746.46	165.84
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,779.63	182.43
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,872.83	182.43
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,511.20	149.26
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,550.60	149.26
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,777.93	149.26
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,020.26	165.84
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,062.69	165.84
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,256.68	165.84
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,459.76	165.84
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,499.17	165.84
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,711.34	165.84
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,779.63	182.43
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,779.63	182.43
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,872.83	182.43
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,574.85	149.26
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,617.29	149.26
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,877.80	165.84
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,099.07	165.84
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,126.35	165.84
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,338.52	165.84
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,553.73	165.84
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,605.26	165.84
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,853.63	182.43
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,059.25	182.43
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,059.25	182.43
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,139.57	182.43
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,644.57	149.26
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,683.97	149.26
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,941.45	165.84
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,174.84	165.84
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,196.06	165.84
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,420.36	165.84
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,647.69	165.84
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,744.51	182.43
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,965.78	182.43
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,059.25	182.43
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,059.25	182.43
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,139.57	182.43
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,702.16	149.26
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,762.62	165.84
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	.....	2,992.98	165.84
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,253.65	165.84
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,265.78	165.84
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,477.95	165.84
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,753.61	182.43
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	.....	3,820.29	182.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	.....	4,044.59	182.43
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,285.82	182.43
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,285.82	182.43
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	.....	5,406.30	182.43
23 09 23 12-0492 Rectangular Volume Control Dampers (TAMCO) (23 09 23 12)					
Note: Excludes actuators.					
23 09 23 12-0493 Air-Foil Control Damper (TAMCO Series 1000) (23 09 23 12-0492)					
23 09 23 12-0494	EA	12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	245.77	49.76
23 09 23 12-0495	EA	12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	295.89	66.34
23 09 23 12-0496	EA	12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	312.87	66.34
23 09 23 12-0497	EA	12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	382.07	82.93
23 09 23 12-0498	EA	12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	392.39	82.93
23 09 23 12-0499	EA	12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	402.71	82.93
23 09 23 12-0500	EA	12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	452.79	99.50
23 09 23 12-0501	EA	16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	281.00	66.34
23 09 23 12-0502	EA	16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	283.06	66.34
23 09 23 12-0503	EA	16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	353.82	82.93
23 09 23 12-0504	EA	16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	391.42	82.93
23 09 23 12-0505	EA	16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	439.36	99.50
23 09 23 12-0506	EA	16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	473.68	99.50
23 09 23 12-0507	EA	16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	508.03	99.50
23 09 23 12-0508	EA	20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	318.08	66.34
23 09 23 12-0509	EA	20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	353.82	82.93
23 09 23 12-0510	EA	20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	380.44	82.93
23 09 23 12-0511	EA	20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	456.52	99.50
23 09 23 12-0512	EA	20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	499.43	99.50
23 09 23 12-0513	EA	20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	575.54	116.09
23 09 23 12-0514	EA	20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	618.45	116.09
23 09 23 12-0515	EA	24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	320.35	82.93
23 09 23 12-0516	EA	24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	371.85	82.93
23 09 23 12-0517	EA	24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	441.07	99.50
23 09 23 12-0518	EA	24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	489.48	99.50
23 09 23 12-0519	EA	24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	571.07	116.09
23 09 23 12-0520	EA	24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	619.48	116.09
23 09 23 12-0521	EA	24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	667.89	116.09
23 09 23 12-0522	EA	28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	352.24	82.93
23 09 23 12-0523	EA	28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	436.23	99.50
23 09 23 12-0524	EA	28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	481.41	99.50
23 09 23 12-0525	EA	28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	571.07	116.09
23 09 23 12-0526	EA	28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	627.55	116.09
23 09 23 12-0527	EA	28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	684.02	116.09
23 09 23 12-0528	EA	28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	740.51	116.09
23 09 23 12-0529	EA	32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	379.35	82.93
23 09 23 12-0530	EA	32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	470.76	99.50
23 09 23 12-0531	EA	32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	555.70	116.09
23 09 23 12-0532	EA	32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	620.39	116.09
23 09 23 12-0533	EA	32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	685.09	116.09
23 09 23 12-0534	EA	32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	749.80	116.09
23 09 23 12-0535	EA	32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	847.67	132.67
23 09 23 12-0536	EA	36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	417.38	99.50
23 09 23 12-0537	EA	36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	490.16	99.50
23 09 23 12-0538	EA	36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	596.14	116.09
23 09 23 12-0539	EA	36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	637.34	116.09
23 09 23 12-0540	EA	36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	704.85	116.09
23 09 23 12-0541	EA	36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	805.54	132.67
23 09 23 12-0542	EA	36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	.....	873.07	132.67
23 09 23 12-0543 Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500) (23 09 23 12-0492)					
23 09 23 12-0544	EA	12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	251.95	49.76
23 09 23 12-0545	EA	12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	302.75	66.34
23 09 23 12-0546	EA	12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	320.41	66.34
23 09 23 12-0547	EA	12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	391.11	82.93
23 09 23 12-0548	EA	12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	401.78	82.93
23 09 23 12-0549	EA	12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	412.43	82.93
23 09 23 12-0550	EA	12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	463.22	99.50
23 09 23 12-0551	EA	16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	287.18	66.34
23 09 23 12-0552	EA	16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	289.24	66.34
23 09 23 12-0553	EA	16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	361.55	82.93
23 09 23 12-0554	EA	16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	400.69	82.93
23 09 23 12-0555	EA	16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	448.96	99.50
23 09 23 12-0556	EA	16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	484.68	99.50
23 09 23 12-0557	EA	16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	520.39	99.50
23 09 23 12-0558	EA	20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	325.80	66.34
23 09 23 12-0559	EA	20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	361.55	82.93
23 09 23 12-0560	EA	20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	389.01	82.93
23 09 23 12-0561	EA	20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	466.82	99.50
23 09 23 12-0562	EA	20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	.....	511.47	99.50



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0563	EA	20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	589.26	116.09	
23 09 23 12-0564	EA	20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	633.90	116.09	
23 09 23 12-0565	EA	24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	326.53	82.93	
23 09 23 12-0566	EA	24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	380.09	82.93	
23 09 23 12-0567	EA	24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	453.08	99.50	
23 09 23 12-0568	EA	24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	503.90	99.50	
23 09 23 12-0569	EA	24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	587.90	116.09	
23 09 23 12-0570	EA	24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	638.70	116.09	
23 09 23 12-0571	EA	24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	689.52	116.09	
23 09 23 12-0572	EA	28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	361.49	82.93	
23 09 23 12-0573	EA	28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	448.01	99.50	
23 09 23 12-0574	EA	28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	495.44	99.50	
23 09 23 12-0575	EA	28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	587.90	116.09	
23 09 23 12-0576	EA	28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	647.17	116.09	
23 09 23 12-0577	EA	28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	706.46	116.09	
23 09 23 12-0578	EA	28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	765.75	116.09	
23 09 23 12-0579	EA	32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	389.42	82.93	
23 09 23 12-0580	EA	32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	483.57	99.50	
23 09 23 12-0581	EA	32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	570.94	116.09	
23 09 23 12-0582	EA	32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	638.70	116.09	
23 09 23 12-0583	EA	32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	706.46	116.09	
23 09 23 12-0584	EA	32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	774.21	116.09	
23 09 23 12-0585	EA	32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	875.13	132.67	
23 09 23 12-0586	EA	36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	427.68	99.50	
23 09 23 12-0587	EA	36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	503.90	99.50	
23 09 23 12-0588	EA	36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	613.30	116.09	
23 09 23 12-0589	EA	36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	689.52	116.09	
23 09 23 12-0590	EA	36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	765.75	116.09	
23 09 23 12-0591	EA	36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	875.13	132.67	
23 09 23 12-0592	EA	36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	951.35	132.67	
23 09 23 12-0593 Thermally Insulated Damper (TAMCO Series 9000) (23 09 23 12-0492)					
23 09 23 12-0594	EA	12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	293.15	49.76	
23 09 23 12-0595	EA	12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	348.47	66.34	
23 09 23 12-0596	EA	12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	370.61	66.34	
23 09 23 12-0597	EA	12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	451.37	82.93	
23 09 23 12-0598	EA	12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	464.35	82.93	
23 09 23 12-0599	EA	12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	477.33	82.93	
23 09 23 12-0600	EA	12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	532.75	99.50	
23 09 23 12-0601	EA	16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	328.38	66.34	
23 09 23 12-0602	EA	16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	330.44	66.34	
23 09 23 12-0603	EA	16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	413.05	82.93	
23 09 23 12-0604	EA	16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	462.49	82.93	
23 09 23 12-0605	EA	16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	513.05	99.50	
23 09 23 12-0606	EA	16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	557.92	99.50	
23 09 23 12-0607	EA	16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	602.79	99.50	
23 09 23 12-0608	EA	20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	377.31	66.34	
23 09 23 12-0609	EA	20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	413.05	82.93	
23 09 23 12-0610	EA	20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	446.24	82.93	
23 09 23 12-0611	EA	20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	535.49	99.50	
23 09 23 12-0612	EA	20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	591.58	99.50	
23 09 23 12-0613	EA	20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	680.83	116.09	
23 09 23 12-0614	EA	20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	736.90	116.09	
23 09 23 12-0615	EA	24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	367.73	82.93	
23 09 23 12-0616	EA	24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	435.03	82.93	
23 09 23 12-0617	EA	24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	521.77	99.50	
23 09 23 12-0618	EA	24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	586.31	99.50	
23 09 23 12-0619	EA	24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	684.02	116.09	
23 09 23 12-0620	EA	24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	748.59	116.09	
23 09 23 12-0621	EA	24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	813.13	116.09	
23 09 23 12-0622	EA	28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	414.35	82.93	
23 09 23 12-0623	EA	28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	515.30	99.50	
23 09 23 12-0624	EA	28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	575.56	99.50	
23 09 23 12-0625	EA	28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	684.02	116.09	
23 09 23 12-0626	EA	28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	759.34	116.09	
23 09 23 12-0627	EA	28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	834.64	116.09	
23 09 23 12-0628	EA	28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	909.95	116.09	
23 09 23 12-0629	EA	32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	449.87	82.93	
23 09 23 12-0630	EA	32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	560.50	99.50	
23 09 23 12-0631	EA	32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	662.51	116.09	
23 09 23 12-0632	EA	32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	748.59	116.09	
23 09 23 12-0633	EA	32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	834.64	116.09	
23 09 23 12-0634	EA	32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	920.71	116.09	
23 09 23 12-0635	EA	32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,039.94	132.67	
23 09 23 12-0636	EA	36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	489.48	99.50	
23 09 23 12-0637	EA	36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	586.31	99.50	
23 09 23 12-0638	EA	36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	716.30	116.09	
23 09 23 12-0639	EA	36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	811.75	116.09	
23 09 23 12-0640	EA	36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	908.35	116.09	
23 09 23 12-0641	EA	36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,038.10	132.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0642 EA 36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,134.70	132.67
23 09 23 12-0643 Thermally Broken Frame Damper (TAMCO Series 9000 BF) (23 09 23 12-0492)		
23 09 23 12-0644 EA 12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	328.17	49.76
23 09 23 12-0645 EA 12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	387.32	66.34
23 09 23 12-0646 EA 12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	413.30	66.34
23 09 23 12-0647 EA 12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	502.58	82.93
23 09 23 12-0648 EA 12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	517.54	82.93
23 09 23 12-0649 EA 12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	532.50	82.93
23 09 23 12-0650 EA 12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	591.85	99.50
23 09 23 12-0651 EA 16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	363.40	66.34
23 09 23 12-0652 EA 16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	365.46	66.34
23 09 23 12-0653 EA 16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	456.83	82.93
23 09 23 12-0654 EA 16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	515.03	82.93
23 09 23 12-0655 EA 16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	567.54	99.50
23 09 23 12-0656 EA 16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	620.18	99.50
23 09 23 12-0657 EA 16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	672.83	99.50
23 09 23 12-0658 EA 20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	421.08	66.34
23 09 23 12-0659 EA 20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	456.83	82.93
23 09 23 12-0660 EA 20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	494.88	82.93
23 09 23 12-0661 EA 20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	593.87	99.50
23 09 23 12-0662 EA 20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	659.67	99.50
23 09 23 12-0663 EA 20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	758.66	116.09
23 09 23 12-0664 EA 20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	824.46	116.09
23 09 23 12-0665 EA 24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	402.75	82.93
23 09 23 12-0666 EA 24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	481.72	82.93
23 09 23 12-0667 EA 24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	562.97	99.50
23 09 23 12-0668 EA 24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	635.75	99.50
23 09 23 12-0669 EA 24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	741.70	116.09
23 09 23 12-0670 EA 24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	814.51	116.09
23 09 23 12-0671 EA 24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	887.29	116.09
23 09 23 12-0672 EA 28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	446.08	82.93
23 09 23 12-0673 EA 28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	555.68	99.50
23 09 23 12-0674 EA 28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	623.62	99.50
23 09 23 12-0675 EA 28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	741.70	116.09
23 09 23 12-0676 EA 28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	826.64	116.09
23 09 23 12-0677 EA 28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	911.56	116.09
23 09 23 12-0678 EA 28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	996.48	116.09
23 09 23 12-0679 EA 32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	486.12	82.93
23 09 23 12-0680 EA 32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	606.64	99.50
23 09 23 12-0681 EA 32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	717.46	116.09
23 09 23 12-0682 EA 32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	814.51	116.09
23 09 23 12-0683 EA 32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	911.56	116.09
23 09 23 12-0684 EA 32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	1,008.61	116.09
23 09 23 12-0685 EA 32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	1,138.82	132.67
23 09 23 12-0686 EA 36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	526.57	99.50
23 09 23 12-0687 EA 36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	635.75	99.50
23 09 23 12-0688 EA 36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	778.11	116.09
23 09 23 12-0689 EA 36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	885.91	116.09
23 09 23 12-0690 EA 36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	994.87	116.09
23 09 23 12-0691 EA 36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	1,136.99	132.67
23 09 23 12-0692 EA 36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	1,245.95	132.67
23 09 23 12-0693 Rectangular Galvanized Volume Control Dampers (23 09 23 12)		
Note: Excludes actuators.		
23 09 23 12-0694 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	224.94	41.13
23 09 23 12-0695 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	253.73	45.11
23 09 23 12-0696 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	283.80	49.76
23 09 23 12-0697 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	328.02	58.38
23 09 23 12-0698 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	370.89	66.34
23 09 23 12-0699 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	374.00	74.63
23 09 23 12-0700 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	460.28	82.93
23 09 23 12-0701 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	549.62	99.50
23 09 23 12-0702 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	707.52	116.09
23 09 23 12-0703 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,056.43	132.67
23 09 23 12-0704 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,951.51	149.26
23 09 23 12-0705 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,482.50	165.84
23 09 23 12-0706 Round Galvanized Control Dampers (23 09 23 12)		
Note: Excludes actuators.		
23 09 23 12-0707 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	217.60	46.44
23 09 23 12-0708 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	224.34	49.76
23 09 23 12-0709 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	234.34	49.76
23 09 23 12-0710 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	259.98	56.39
23 09 23 12-0711 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	297.05	56.39
23 09 23 12-0712 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	321.45	66.34
23 09 23 12-0713 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	432.16	69.83
23 09 23 12-0714 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	451.94	72.38



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0715	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	479.36	78.03
23 09 23 12-0716	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	507.36	83.67
23 09 23 12-0717 Remote Damper Control (23 09 23 12)				
23 09 23 12-0718	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	310.21	
		For Each 10' Flexible Casing And Wire, Add	43.69	
23 09 23 12-0719	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	319.15	
		For Each 10' Flexible Casing And Wire, Add	43.69	
23 09 23 12-0720 Control Damper Actuators (23 09 23 12)				
23 09 23 12-0721	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	601.04	109.61
23 09 23 12-0722	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	655.77	109.61
23 09 23 12-0723	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	745.43	109.61
23 09 23 12-0724	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	788.27	109.61
23 09 23 12-0725	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	813.70	109.61
23 09 23 12-0726	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	913.66	109.61
23 09 23 13 Energy Meters (23 09 23)				
23 09 23 13-0001 Surge Protectors (23 09 23 13)				
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	376.44	11.02
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251).....	284.38	11.02
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254).....	442.79	11.02
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	239.43	11.02
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	239.43	11.02
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	239.43	11.02
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258).....	346.48	11.02
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257).....	213.74	11.02
23 09 23 14 Flow Instruments (23 09 23)				
23 09 23 14-0001 Water Flow Meters (23 09 23 14)				
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500)..... Note: Excludes pipe fittings.	5,596.26	106.62
23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)				
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)..... Note: 10' cable, 36" x 24" typical duct size.	4,407.72	127.37
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)..... Note: 10' cable, 48" x 36" typical duct size.	6,330.10	127.37
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)..... Note: 10' cable, 60" x 48" typical duct size.	7,878.99	127.37
23 09 23 16 Gas Instruments (23 09 23)				
23 09 23 16-0001 Gas Sensors (23 09 23 16)				
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,336.52	66.10
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	1,033.10	44.07
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)..... Note: Solid state sensor.	1,857.85	66.10
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	1,011.69	79.33
23 09 23 19 Moisture Instruments (23 09 23)				
23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)				
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K).....	632.18	79.33
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	649.28	79.33
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K).....	736.54	110.18
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K).....	570.16	44.07
23 09 23 21 Motion Instruments (23 09 23)				
23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)				
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	208.95	30.98
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	204.87	30.98
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	273.31	30.98
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	243.10	30.98
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001).....	77.14	30.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	71.52	30.98
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	129.39	30.98
23 09 23 23 Pressure Instruments (23 09 23)				
23 09 23 23-0001 Pressure Sensors (23 09 23 23)				
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	842.22	93.04
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	750.36	93.04
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	305.88	93.04
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	316.55	93.04
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	337.44	93.04
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	313.46	93.04
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)	3,079.49	93.04
		Note: Excludes pipe fittings.		
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)	3,079.49	93.04
		Note: Excludes pipe fittings.		
23 09 23 23-0010	EA	Magnahelic Gauge	818.15	56.88
23 09 23 27 Temperature Instruments (23 09 23)				
23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)				
23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	238.24	79.33
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	330.10	79.33
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	248.81	79.33
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	259.65	79.33
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	263.25	79.33
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	259.69	79.33
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	261.61	79.33
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	279.86	79.33
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	295.80	79.33
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	359.90	110.18
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	372.17	110.18
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	162.07	44.07
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	166.59	44.07
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	154.73	44.07
23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)				
23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	191.18	85.25
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	436.89	85.25
23 09 23 27-0019 Peco Thermostats (23 09 23 27)				
23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ)	438.13	20.66
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	391.33	20.66
23 09 23 53 Proprietary Control Systems (23 09 23)				
23 09 23 53-0001 EMCS General Costs (23 09 23 53)				
23 09 23 53-0002 EMCS System Design Services (23 09 23 53-0001)				
		Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	254.79	
23 09 23 53-0004	HR	EMCS Engineering Project Management	254.79	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	268.56	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	220.36	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	230.69	
23 09 23 53-0008	HR	EMCS System Controls Training	241.02	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	247.91	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	213.47	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	206.59	
23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)				
		Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013	PNT	EMCS Field Test	180.83	
		Note: Priced per point.		
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup	180.83	
		Note: Priced per point.		
23 09 23 53-0015	PNT	EMCS Field Commissioning	180.83	
		Note: Priced per point.		
23 09 23 53-0016	EA	EMCS Field Balance Support	154.94	
		Note: Priced per controller.		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001) Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.			
23 09 23 53-0018	PNT EMCS System Engineering/Submittal Design And Layout	60.32	
Note: Priced per point.			
23 09 23 53-0019 Alerton Controls (23 09 23 53)			
23 09 23 53-0020	EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	15,736.93	
23 09 23 53-0021	EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	20,803.88	
23 09 23 53-0022	EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	55,800.91	
23 09 23 53-0023	EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	41,345.62	
23 09 23 53-0024	EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	109,818.03	
23 09 23 53-0025	EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	86,170.70	
23 09 23 53-0026	EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	132,642.14	
23 09 23 53-0027	EA Alerton Building Suite Tech License (Alerton ABS-3-TECH)	3,472.62	
23 09 23 53-0028	EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	49,044.95	
23 09 23 53-0029	EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	35,327.64	
23 09 23 53-0030	EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	20,697.39	
23 09 23 53-0031	EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	12,001.37	
23 09 23 53-0032	EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS)	4,399.20	
23 09 23 53-0033	EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100)	8,652.10	330.54
23 09 23 53-0034	EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	12,918.76	440.72
23 09 23 53-0035	EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS)	12,733.12	440.72
23 09 23 53-0036	EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM)	4,163.33	330.54
23 09 23 53-0037	EA 1 MS/TP, BACTalk Control Module (Alerton 715000300)	5,251.30	330.54
23 09 23 53-0038	EA Power Supply, BACTalk Control Module (Alerton BCM-PWS)	3,828.57	330.54
23 09 23 53-0039	EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX)	5,001.76	330.54
23 09 23 53-0040	EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB)	13,171.27	330.54
23 09 23 53-0041	EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	5,178.34	440.72
23 09 23 53-0042	EA EXP BACnet Controller (Alerton VLX)	11,642.42	881.43
23 09 23 53-0043	EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	14,023.77	881.43
23 09 23 53-0044	EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,904.29	98.14
23 09 23 53-0045	EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	3,212.34	330.54
23 09 23 53-0046	EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,463.42	330.54
23 09 23 53-0047	EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,596.10	330.54
23 09 23 53-0048	EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,946.08	330.54
23 09 23 53-0049	EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD)	2,930.86	330.54
23 09 23 53-0050	EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,939.38	330.54
23 09 23 53-0051	EA 16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	3,556.24	330.54
23 09 23 53-0052	EA 16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160)	5,505.51	440.72
23 09 23 53-0053	EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,360.18	220.36
23 09 23 53-0054	EA 5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550)	2,259.73	220.36
23 09 23 53-0055	EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R)	2,968.88	330.54
23 09 23 53-0056	EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R)	2,968.88	330.54
23 09 23 53-0057	EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853)	3,779.90	330.54
23 09 23 53-0058	EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	8,169.85	440.72
23 09 23 53-0059	EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	3,113.44	330.54
23 09 23 53-0060	EA Wireless Door Contact Sensor (Alerton AL-OC-DS)	242.43	12.39
23 09 23 53-0061	EA One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT)	419.55	12.39
23 09 23 53-0062	EA One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	1,137.74	12.39
23 09 23 53-0063	EA Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT)	1,137.74	12.39
23 09 23 53-0064	EA Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	876.05	12.39
23 09 23 53-0065	EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	267.41	12.39
23 09 23 53-0066	EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	1,203.19	12.39
23 09 23 53-0067	EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,355.37	12.39
23 09 23 53-0068	EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,924.16	330.54
23 09 23 53-0069	EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	5,298.46	330.54
23 09 23 53-0070	EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,975.90	330.54
23 09 23 53-0071	EA 50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,414.64	
23 09 23 53-0072	EA Global Controller Base Unit (Alerton ACM)	6,214.14	330.54
23 09 23 53-0073	EA External Battery Pack For ACM (Alerton ACM-BATT)	1,350.36	183.86
23 09 23 53-0074	EA Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,098.62	
23 09 23 53-0075	EA Microset 4 Wall Sensor (Alerton MS4-THC)	1,260.88	12.39
23 09 23 53-0076 Automated Logic Controls (23 09 23 53)			
23 09 23 53-0077	EA 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	5,679.88	330.54
23 09 23 53-0078	EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	11,928.23	991.62
23 09 23 53-0079	EA 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,604.33	330.54
23 09 23 53-0080	EA 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	8,399.28	440.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0081 EA 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	8,244.39	440.72
23 09 23 53-0082 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	12,771.35	881.43
23 09 23 53-0083 EA 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	7,237.59	440.72
23 09 23 53-0084 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	7,600.54	330.54
23 09 23 53-0085 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	11,842.00	881.43
23 09 23 53-0086 EA No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,100.58	220.36
23 09 23 53-0087 EA With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,241.34	220.36
23 09 23 53-0088 EA 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	4,373.89	220.36
23 09 23 53-0089 EA 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	4,199.64	220.36
23 09 23 53-0090 EA Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	3,201.61	330.54
23 09 23 53-0091 EA Unlimited Points, Front End Software For Building Control (Automated Logic WC)	23,596.23	
23 09 23 53-0092 EA 500 Point, Front End Software For Building Control (Automated Logic WC500)	14,147.82	
23 09 23 53-0093 EA Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	20,463.30	

23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)**23 09 23 53-0095 Wireless Pneumatic Thermostat** (23 09 23 53-0094)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)	585.04	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-29.98	
For >200, Deduct		
	-59.90	
23 09 23 53-0097 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)	585.04	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-29.98	
For >200, Deduct		
	-59.90	
23 09 23 53-0098 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)	585.04	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-29.98	
For >200, Deduct		
	-59.90	
23 09 23 53-0099 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP)	585.04	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-29.98	
For >200, Deduct		
	-59.90	
23 09 23 53-0100 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP- DB)	665.34	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-34.44	
For >200, Deduct		
	-68.82	
23 09 23 53-0101 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP- DB)	665.34	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-34.44	
For >200, Deduct		
	-68.82	
23 09 23 53-0102 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP- DB)	665.34	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-34.44	
For >200, Deduct		
	-68.82	
23 09 23 53-0103 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa- T1RP-DB)	665.34	13.78
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-34.44	
For >200, Deduct		
	-68.82	
23 09 23 53-0104 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	48.21	13.78
Note: Optional cover.		
For >50 To 200, Deduct		
	-1.91	
For >200, Deduct		
	-3.83	
23 09 23 53-0105 EA Green Box Controller (Cypress Envirosystems GBC-830-COM)	5,273.59	13.78
Note: One unit for up to 100 thermostats.		
For 2, Deduct		
	-262.58	
For >2, Deduct		
	-524.69	
23 09 23 53-0106 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	506.52	13.78
Note: One unit for up to 100 thermostats.		
For 2, Deduct		
	-27.40	
For >2, Deduct		
	-54.74	
23 09 23 53-0107 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	882.76	13.78
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct		
	-45.25	
For >10, Deduct		
	-90.42	
23 09 23 53-0108 EA 24 Volt WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	1,084.18	13.78
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct		
	-52.62	
For >10, Deduct		
	-105.15	

23 09 23 53-0109 Delta Controls (23 09 23 53)**23 09 23 53-0110 Software** (23 09 23 53-0109)

Note: Excludes programming, set-up and commissioning of application.



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,661.33		
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,463.82		
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,671.61		
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	15,308.82		
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,869.12		
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,661.33		
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,381.18		
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,869.12		
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,797.68		137.73
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	3,030.97		
23 09 23 53-0121		EMCS Central Equipment And Controllers (23 09 23 53-0109)			
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)	9,737.73		550.89
Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup					
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	7,357.02		550.89
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,374.34		550.89
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	5,374.34		550.89
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,374.34		550.89
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	5,011.77		550.89
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,760.21		275.45
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,600.26		275.45
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,706.39		275.45
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,600.26		275.45
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,757.94		344.31
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	940.92		137.73
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	1,008.36		137.73
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,183.26		137.73
23 09 23 53-0136		Network, VAV And Special Sensors (23 09 23 53-0109)			
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	310.95		44.07
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	421.54		49.58
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	827.37		20.66
23 09 23 53-0140		Honeywell Controls (23 09 23 53)			
23 09 23 53-0141		EMCS Central Equipment And Controllers (23 09 23 53-0140)			
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0141)			
Note: Includes loading software, software license, loading data base and mounting on wall.					
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	13,351.94		671.41
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.					
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	9,157.11		671.41
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	7,030.57	671.41
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,722.80	671.41
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,972.30	671.41
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,972.30	671.41
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,557.57	671.41
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,171.96	671.41
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,557.57	671.41
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,171.96	671.41
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,177.26	671.41
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,791.65	671.41
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,177.26	671.41
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,791.65	671.41
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,693.67	671.41
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,746.06	671.41
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	11,378.99	671.41
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	13,431.39	671.41
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	11,408.12	671.41
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	15,319.59	671.41
23 09 23 53-0163		EMCS Network Interfaces (23 09 23 53-0141) Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)..... Note: For desktop computer.	1,918.11	185.93
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)..... Note: For laptop computer.	1,633.42	123.95



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Instrumentation and Control for HVAC 23 09

Direct-Digital Control System for HVAC 23 09 23

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,086.28	232.48
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,186.63	335.78
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008)	1,653.29	335.78
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B)	121.24	41.32
23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141)		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,083.07	759.25
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,566.60	449.37
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,299.99	889.40
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,783.53	579.52
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,644.06	929.73
23 09 23 53-0176 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,256.64	696.61
23 09 23 53-0177 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,876.44	1,069.17
23 09 23 53-0178 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,457.99	818.22
23 09 23 53-0179 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,733.99	759.14
23 09 23 53-0180 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,217.52	449.37
23 09 23 53-0181 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	3,018.12	929.73
23 09 23 53-0182 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,501.52	619.76
23 09 23 53-0183 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,635.79	771.64
23 09 23 53-0184 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,109.00	630.77
23 09 23 53-0185 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,919.91	1,069.16
23 09 23 53-0186 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,392.98	710.65
23 09 23 53-0187 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,582.91	1,069.16
23 09 23 53-0188 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,113.00	683.11
23 09 23 53-0189 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	5,151.18	1,069.16
23 09 23 53-0190 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,681.12	800.18
23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,139.68	821.25
23 09 23 53-0193 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,641.82	821.25
23 09 23 53-0194 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,874.33	965.86
23 09 23 53-0195 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,376.46	965.86
23 09 23 53-0196 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,866.47	1,131.13
23 09 23 53-0197 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,446.91	1,131.13
23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141)		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	603.80	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)	697.81	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	730.92	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	689.87	
23 09 23 53-0203 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	700.46	
23 09 23 53-0204 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	684.57	
23 09 23 53-0205 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	589.24	
23 09 23 53-0206 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	512.44	
23 09 23 53-0207 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	750.78	
23 09 23 53-0208 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	671.33	
23 09 23 53-0209 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	741.51	
23 09 23 53-0210 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,574.38	
23 09 23 53-0211 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,958.38	
23 09 23 53-0212 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	978.53	
23 09 23 53-0213 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	963.96	
23 09 23 53-0214 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027)	472.71	
23 09 23 53-0215 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	537.59	
23 09 23 53-0216 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	993.09	
23 09 23 53-0217 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,061.95	
23 09 23 53-0218 EA AI Module (Honeywell XFL521B)	664.71	
23 09 23 53-0219 EA AO Module (Honeywell XFL522B)	664.71	
23 09 23 53-0220 EA DI Module (Honeywell XFL523B)	664.71	
23 09 23 53-0221 EA DO Module (Honeywell XFL524B)	664.71	
23 09 23 53-0222 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	117.85	
23 09 23 53-0223 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	222.45	
23 09 23 53-0224 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	218.48	
23 09 23 53-0225 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	668.68	
23 09 23 53-0226 EA Lon Hub (Honeywell XIO-HUB)	99.31	
23 09 23 53-0227 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	668.68	
23 09 23 53-0228 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	615.72	
23 09 23 53-0229 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	615.72	
23 09 23 53-0230 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	648.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0231 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	648.82	
23 09 23 53-0232 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	933.51	
23 09 23 53-0233 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,101.67	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	2,341.05	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235 EMCS Software (23 09 23 53-0140)		
23 09 23 53-0236 Software Packages And License (23 09 23 53-0235)		
Note: Includes installation on equipment.		
23 09 23 53-0237 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	746.81	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,851.62	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	8,341.99	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)	4,965.47	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241 EA Upgrade Small Building To Large Building Software	5,632.28	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	3,948.00	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0243 EA WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	7,053.07	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	902.51	
Note: Can be combined with the required single instance of WES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX)	591.34	
Note: Can be combined with the required single instance of WES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	38,307.72	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247 EA Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	34,943.72	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	13,302.16	
23 09 23 53-0249 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,925.64	
23 09 23 53-0250 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,869.38	
23 09 23 53-0251 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,869.38	
23 09 23 53-0252 EA Vykron Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	19,861.88	
Note: Excludes Oracle.		
23 09 23 53-0253 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,648.25	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,869.38	
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)	7,503.82	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002).....	2,869.38	
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	48,110.76	
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	88,275.44	
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	154,481.69	
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	7,944.75	
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	3,972.38	
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,132.34	
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,447.47	
Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)		
23 09 23 53-0265 PNT Database Generation For Central Plant.....	92.41	
23 09 23 53-0266 PNT Database Generation For Programmable Controller	92.41	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267 EA Database Generation For Application Specific Controller	92.41	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller.....	64.32	
Note: Price per copy made.		
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, etc.....	64.32	
23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271 EA Optimum Start/Stop Program.....	128.91	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0272 EA Duty Cycling Program	60.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0273 EA Demand Limiting Program Note: Priced per controller requiring optimum start programming.	113.07	
23 09 23 53-0274 Color Graphics Generation (23 09 23 53-0235) Note: Priced per page.		
23 09 23 53-0275 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	2,310.75	
23 09 23 53-0276 EA Multi Site Home Page Graphics Page With HTML Navigation Code	4,102.65	
23 09 23 53-0277 EA Color Graphics Page For Central Plant	1,049.87	
23 09 23 53-0278 EA Color Graphics Page For Building Floor Plan	969.44	
23 09 23 53-0279 EA Replication Of Color Graphics Page For Central Plant	526.66	
23 09 23 53-0280 EA Color Graphics Page For Programmable Controller	1,181.13	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0281 EA Replication Of Color Graphics Page For Programmable Controller.....	252.58	
Note: Priced per copy made.		
23 09 23 53-0282 EA Color Graphics Page For Application Specific Controller.....	1,092.43	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0283 EA Replication Of Color Graphics Page For Application Specific Cont	109.22	
Note: Priced per copy made.		
23 09 23 53-0284 Sensors, Actuators And Control Devices (23 09 23 53-0140) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0285 Special Sensors (23 09 23 53-0284)		
23 09 23 53-0286 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,387.81	85.25
23 09 23 53-0287 EA Enthalpy Sensor -25 To 125 F.....	2,491.55	85.25
23 09 23 53-0288 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,128.30	170.51
23 09 23 53-0289 EA Freezestat (Honeywell L482A1004).....	777.02	284.12
23 09 23 53-0290 EA Wall Mounted Occupancy Sensor.....	557.94	85.25
23 09 23 53-0291 EA Ceiling Mounted Occupancy Sensor.....	443.58	85.25
23 09 23 53-0292 EA I/P Positioner With Gauge	522.40	85.25
23 09 23 53-0293 EA Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	625.43	85.25
23 09 23 53-0294 EA EP Transducer.....	522.40	56.88
23 09 23 53-0295 EA Electric Heat Sequencer	829.18	113.62
23 09 23 53-0296 Meters (23 09 23 53-0284)		
23 09 23 53-0297 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,327.98	681.74
23 09 23 53-0298 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,733.05	795.36
23 09 23 53-0299 EA 1 To 300 Amperes, Current Transformer For KW Meter	1,856.68	284.12
23 09 23 53-0300 EA 300 To 800 Amperes, Current Transformer For KW Meter.....	2,123.96	284.12
23 09 23 53-0301 EA 800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,636.55	284.12
23 09 23 53-0302 Direct Coupled Actuators (23 09 23 53-0284)		
23 09 23 53-0303 EA 44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	712.04	109.45
23 09 23 53-0304 EA 88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	787.34	109.45
23 09 23 53-0305 EA 175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	916.81	109.45
23 09 23 53-0306 EA 44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	667.98	109.45
23 09 23 53-0307 EA 88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	748.96	109.45
23 09 23 53-0308 EA 175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	829.15	109.45
23 09 23 53-0309 EA 44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	753.39	109.45
23 09 23 53-0310 EA 88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	868.86	109.45
23 09 23 53-0311 EA 175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	993.49	109.45
23 09 23 53-0312 EA 44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	607.90	109.45
23 09 23 53-0313 EA 88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	669.39	109.45
23 09 23 53-0314 EA 175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	792.91	109.45
23 09 23 53-0315 EA 175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	851.05	109.45
23 09 23 53-0316 EA 300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	850.33	109.45
23 09 23 53-0317 EA 300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,009.78	109.45
23 09 23 53-0318 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	633.10	109.45
23 09 23 53-0319 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,116.12	109.45
23 09 23 53-0320 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	474.29	109.45
23 09 23 53-0321 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use	726.35	109.45
23 09 23 53-0322 Thermostats (23 09 23 53-0140)		
23 09 23 53-0323 Electric And Electronic Thermostats (23 09 23 53-0322) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0324 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	245.75	20.66
23 09 23 53-0325 EA Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	264.83	20.66
23 09 23 53-0326 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	243.63	20.66
23 09 23 53-0327 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	272.67	20.66
23 09 23 53-0328 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	294.51	20.66
23 09 23 53-0329 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	434.44	20.66
23 09 23 53-0330 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	633.73	20.66
23 09 23 53-0331 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	1,027.80	20.66
23 09 23 53-0332 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,096.27	20.66
23 09 23 53-0333 Pneumatic Thermostats (23 09 23 53-0322) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0334 EA Pneumatic Thermostat (Honeywell TP970B2182)	341.22	20.66
23 09 23 53-0335 Thermostats Guards (23 09 23 53-0322)		
23 09 23 53-0336 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	82.56	20.66
23 09 23 53-0337 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	98.46	20.66
23 09 23 53-0338 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	92.73	20.66
23 09 23 53-0339 Johnson Controls (23 09 23 53)		
23 09 23 53-0340 Software (23 09 23 53-0339) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0341 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,579.14	
23 09 23 53-0342 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	25,519.94	
23 09 23 53-0343 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,262.62	
23 09 23 53-0344 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,912.08	
23 09 23 53-0345 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,385.36	
23 09 23 53-0346 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,273.62	
23 09 23 53-0347 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,266.24	
23 09 23 53-0348 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	462.92	
23 09 23 53-0349 Supervisory Controllers (23 09 23 53-0339)		
23 09 23 53-0350 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	9,490.92	550.89
23 09 23 53-0351 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	14,688.15	550.89
23 09 23 53-0352 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,896.90	550.89
23 09 23 53-0353 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	7,488.97	550.89
23 09 23 53-0354 Controllers (23 09 23 53-0339)		
23 09 23 53-0355 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,103.18	137.73
23 09 23 53-0356 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,449.72	275.45
23 09 23 53-0357 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,897.11	275.45
23 09 23 53-0358 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,243.65	275.45
23 09 23 53-0359 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	904.36	137.73
23 09 23 53-0360 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	992.73	137.73
23 09 23 53-0361 EA BACnet MS/TP 12 Point I/O Module With 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,125.28	137.73
23 09 23 53-0362 EA 17 Point I/O Module With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,142.94	137.73
23 09 23 53-0363 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,333.82	275.45
23 09 23 53-0364 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,119.27	137.73
23 09 23 53-0365 EA 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0)	1,623.24	137.73
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		



MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0366 Master FX Controllers (23 09 23 53-0339)					
23 09 23 53-0367	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,941.71	275.45	
23 09 23 53-0368	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	3,151.11	275.45	
23 09 23 53-0369	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,255.17	275.45	
23 09 23 53-0370	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	3,191.93	275.45	
23 09 23 53-0371	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	3,093.10	275.45	
23 09 23 53-0372	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	3,108.95	275.45	
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	3,093.10	275.45	
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	3,151.34	275.45	
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	3,332.19	275.45	
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	3,452.75	275.45	
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	3,392.46	275.45	
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	3,269.06	275.45	
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	3,151.34	275.45	
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	3,332.19	275.45	
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	3,452.75	275.45	
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	3,392.46	275.45	
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	3,269.06	275.45	
23 09 23 53-0384	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	351.33	68.86	
23 09 23 53-0385	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	499.69	68.86	
23 09 23 53-0386	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	392.97	68.86	
23 09 23 53-0387	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	351.33	68.86	
23 09 23 53-0388	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	971.76	68.86	
23 09 23 53-0389	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	895.45	68.86	
23 09 23 53-0390	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	913.32	68.86	
23 09 23 53-0391	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	913.32	68.86	
23 09 23 53-0392	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	1,002.58	68.86	
23 09 23 53-0393	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	1,002.58	68.86	
23 09 23 53-0394	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,259.19	68.86	
23 09 23 53-0395	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,259.19	68.86	
23 09 23 53-0396	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,404.23	68.86	
23 09 23 53-0397	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,404.23	68.86	
23 09 23 53-0398 VAV, Network And Special Sensors (23 09 23 53-0339)					
23 09 23 53-0399	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	660.88	44.07	
23 09 23 53-0400	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	222.69	44.07	
23 09 23 53-0401	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	512.01	44.07	
23 09 23 53-0402	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	764.70	44.07	
23 09 23 53-0403	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	255.50	44.07	
23 09 23 53-0404	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	693.45	44.07	
23 09 23 53-0405 Sensors - Hard Wired Type (23 09 23 53-0339)					
23 09 23 53-0406	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	218.11	79.33	
23 09 23 53-0407	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	185.17	44.07	
23 09 23 53-0408	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	514.92	20.66	
23 09 23 53-0409	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	696.28	20.66	
23 09 23 53-0410	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	515.92	20.66	
23 09 23 53-0411	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	677.27	44.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0412 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	834.22	44.07
23 09 23 53-0413 Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0414 Kitchen Ventilation Controllers (23 09 23 53-0413)		
23 09 23 53-0415 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	11,008.01	550.89
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 53-0416 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	2,073.99	113.62
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 53-0417 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)	3,404.33	458.62
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 53-0418 Kitchen Ventilation Sensors (23 09 23 53-0413)		
23 09 23 53-0419 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	614.33	79.33
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 53-0420 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	5,261.34	440.72
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 53-0421 Siemens Controls (23 09 23 53)		
23 09 23 53-0422 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	496.57	20.66
23 09 23 53-0423 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	351.29	20.66
23 09 23 53-0424 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	365.51	93.04
23 09 23 53-0425 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	551.29	93.04
23 09 23 53-0426 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	83.93	13.78
23 09 23 53-0427 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	281.01	137.73
23 09 23 53-0428 EA 3/4" Two Way, Normally Closed, 6.3 Cv, Fx/F, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	449.87	20.99
23 09 23 53-0429 EA 1" Three Way, 10 Cv, Fx/F, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	793.20	38.10
23 09 23 53-0430 EA 1" Three Way, 10 Cv, Fx/F, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,607.86	38.10
23 09 23 53-0431 EA 1-1/4" Two Way, 16 Cv, Fx/F, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,355.35	48.27
23 09 23 53-0432 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	365.07	79.33
23 09 23 53-0433 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	305.26	44.07
23 09 23 53-0434 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	663.63	65.01
23 09 23 53-0435 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143)	120.87	6.88
23 09 23 53-0436 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,075.50	132.22
23 09 23 53-0437 EA MMI Extension Cable (Siemens 545-712)	314.34	6.88
23 09 23 53-0438 EA Remote Pressure Transmitter (Siemens 547-003)	1,588.21	44.07
23 09 23 53-0439 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	977.64	33.05
23 09 23 53-0440 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	851.09	88.15
23 09 23 53-0441 EA Door Lock And Key Assembly (Siemens 567-225)	47.47	27.54
23 09 23 53-0442 EA Insight Advanced Software Package (Siemens 571-010-381-USB)	16,089.31	
Note: Includes one user license and one sentinel key.		
23 09 23 53-0443 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	585.84	
23 09 23 53-0444 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,555.73	
23 09 23 53-0445 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	528.18	12.67
23 09 23 53-0446 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062)	1,114.32	21.96
23 09 23 53-0447 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,559.39	55.09
23 09 23 53-0448 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,440.13	55.09
23 09 23 53-0449 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	194.90	20.66
23 09 23 53-0450 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	482.03	53.07
23 09 23 53-0451 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	514.64	53.07
23 09 23 53-0452 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,668.72	
23 09 23 53-0453 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	942.74	
23 09 23 53-0454 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	3,034.12	
23 09 23 53-0455 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	2,172.01	
23 09 23 53-0456 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,867.16	
23 09 23 53-0457 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,520.18	
23 09 23 53-0458 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	879.22	2.76
23 09 23 53-0459 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	981.08	11.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0460 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	497.78	2.76
23 09 23 53-0461 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	498.79	77.12
23 09 23 53-0462 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	864.90	77.12
23 09 23 53-0463 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,211.19	88.15
23 09 23 53-0464 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	45.19	13.78
23 09 23 53-0465 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	868.53	34.43
23 09 23 53-0466 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,392.43	34.43
23 09 23 53-0467 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,061.55	34.43
23 09 23 53-0468 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,613.04	34.43
23 09 23 53-0469 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,717.78	68.86
23 09 23 53-0470 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	6,100.78	68.86
23 09 23 53-0471 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,949.87	68.86
23 09 23 53-0472 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,915.04	68.86
23 09 23 53-0473 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,289.05	68.86
23 09 23 53-0474 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,041.24	68.86
23 09 23 53-0475 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,790.47	68.86
23 09 23 53-0476 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,048.71	68.86
23 09 23 53-0477 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,984.65	68.86
23 09 23 53-0478 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2- ERF.A).....	3,216.03	68.86
23 09 23 53-0479 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,978.81	68.86
23 09 23 53-0480 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,214.45	68.86
23 09 23 53-0481 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,142.06	68.86
23 09 23 53-0482 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,260.78	68.86
23 09 23 53-0483 EA License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,400.65	
23 09 23 53-0484 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	560.40	34.43
23 09 23 53-0485 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	409.16	34.43
23 09 23 53-0486 EA Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	931.39	27.54
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0487 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	316.72	34.43
23 09 23 53-0488 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	310.82	44.07
23 09 23 53-0489 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	155.38	34.43
23 09 23 53-0490 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	116.70	34.43
23 09 23 53-0491 EA 24" Flexible Averaging Probe (Siemens QAM2012.750).....	341.32	68.86
23 09 23 53-0492 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	218.90	51.64
23 09 23 53-0493 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,795.64	443.75
23 09 23 53-0494 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	41.23	13.78
23 09 23 53-0495 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.92	
23 09 23 53-0496 EA 16 Digital Input Module (Siemens TXM1.16D).....	695.67	13.78
23 09 23 53-0497 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,052.50	13.78
23 09 23 53-0498 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,689.30	27.54
23 09 23 53-0499 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	516.49	8.27
23 09 23 53-0500 Trane Controls (23 09 23 53)		
23 09 23 53-0501 Software (23 09 23 53-0500)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0502 EA Summit + Building Management Package (Trane 40201152)	7,999.26	
23 09 23 53-0503 EA Summit Current Version Software (Trane 40201111).....	4,525.33	
23 09 23 53-0504 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	1,088.90	
23 09 23 53-0505 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,498.12	
23 09 23 53-0506 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	12,399.57	
23 09 23 53-0507 EMCS Central Equipment And Controllers (23 09 23 53-0500)		
23 09 23 53-0508 EA Summit BTMX Operator Display Upgrade (Trane 40201224)	7,085.05	550.89
23 09 23 53-0509 EA Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,922.39	550.89
23 09 23 53-0510 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	15,922.39	550.89
23 09 23 53-0511 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	14,003.49	550.89
23 09 23 53-0512 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	16,234.57	550.89
23 09 23 53-0513 EA Summit CCP Upgrade ROM Kit (Trane 40201095)	248.81	34.43
23 09 23 53-0514 EA Summit Comm5 Repeater (Trane 49500457).....	1,920.68	275.45
23 09 23 53-0515 EA AHU Controller MP580/581 E Board Only (Trane 40201157)	3,247.93	344.31
23 09 23 53-0516 EA AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	4,163.85	413.18
23 09 23 53-0517 EA AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,277.15	413.18
23 09 23 53-0518 EA AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,776.89	413.18
23 09 23 53-0519 EA AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,774.10	413.18
23 09 23 53-0520 EA Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,245.52	137.73
23 09 23 53-0521 EA Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,135.30	137.73
23 09 23 53-0522 EA Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	2,050.27	275.45
23 09 23 53-0523 EA Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,958.87	275.45
23 09 23 53-0524 EA 2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,094.92	137.73
23 09 23 53-0525 EA 2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	962.20	137.73
23 09 23 53-0526 EA 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,421.51	137.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0527 EA 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,289.51	137.73
23 09 23 53-0528 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	1,106.74	137.73
23 09 23 53-0529 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	1,056.05	137.73
23 09 23 53-0530 EA Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,211.69	137.73
23 09 23 53-0531 EA Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,106.74	137.73
23 09 23 53-0532 EA DDC VAV Retrofit Kit (Trane VRTODD01).....	1,550.84	275.45
23 09 23 53-0533 EA DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,681.37	275.45
23 09 23 53-0534 Network, VAV And Special Sensors (23 09 23 53-0500)		
23 09 23 53-0535 EA Digital Display Zone Sensor (Trane X13790464010).....	260.57	44.07
23 09 23 53-0536 EA Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	175.07	44.07
23 09 23 53-0537 EA Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	160.65	44.07
23 09 23 53-0538 EA Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	320.69	49.58
23 09 23 53-0539 EA Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	194.78	44.07
23 09 23 53-0540 EA Zone Sensor LCD O/C Setpoint (Trane 41901120).....	194.78	44.07
23 09 23 53-0541 EA Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	673.17	79.33
23 09 23 53-0542 EA Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	613.87	44.07
23 09 23 53-0543 EA Transformer 120/24 40 VA (Trane X13550284010).....	153.44	44.07
23 09 23 53-0544 EA Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	148.29	44.07
23 09 23 53-0545 EA Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	140.05	44.07
23 09 23 53-0546 EA Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,734.26	275.45
23 09 23 53-0547 EA Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,663.84	275.45
23 09 23 53-0548 EA Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,516.89	275.45
23 09 23 53-0549 EA Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	2,694.40	413.18
23 09 23 53-0550 EA Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	1,516.89	275.45
23 09 23 53-0551 EA Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,591.43	275.45
23 09 23 53-0552 EA Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,597.23	275.45
23 09 23 53-0553 EA Controller Optional Metal Enclosure, UC210 (Trane 501898).....	584.36	274.28
23 09 23 53-0554 EA Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....	832.43	274.28
23 09 23 53-0555 EA Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	3,006.51	413.18
23 09 23 53-0556 EA Controller UC600 Tracer TD7 Display (Trane X13651571010).....	2,893.20	413.18
23 09 23 53-0557 EA Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	179.19	54.89
23 09 23 53-0558 EA Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	637.81	54.89
23 09 23 53-0559 EA SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	3,076.55	413.18
23 09 23 53-0560 EA BACnet Term (2 Pack) (Trane X1365152401).....	285.53	98.74
23 09 23 53-0561 EA Tracer ES Add License (Trane X40250125010).....	3,701.29	
23 09 23 53-0562 EA Kit - Tracer TU For Controls (Trane X4509151201).....	5,606.89	550.89
23 09 23 53-0563 EA Kit - Tracer TU Complete (Trane X4509151301).....	7,333.25	550.89
23 09 23 53-0564 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	722.28	98.74
23 09 23 53-0565 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	418.41	98.74
23 09 23 53-0566 EA Sensor Wireless Display Sensor (Trane X13790822010).....	471.97	98.74
23 09 23 53-0567 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	423.56	98.74
23 09 23 53-0568 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	571.74	98.74
23 09 23 53-0569 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	622.20	98.74
23 09 23 53-0570 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)		
23 09 23 53-0571 Room Pressure Monitoring (23 09 23 53-0570)		
23 09 23 53-0572 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM).....	3,643.09	66.34
23 09 23 53-0573 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,879.07	66.34
Note: Excludes dampers and actuators.		
23 09 23 53-0574 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	460.20	39.80
23 09 23 53-0575 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	531.56	39.80
23 09 23 53-0576 Current Switches And Current Sensors (23 09 23 53-0570)		
23 09 23 53-0577 EA Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	163.74	44.07
23 09 23 53-0578 EA Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	169.92	44.07
23 09 23 53-0579 EA 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	260.57	44.07
23 09 23 53-0580 EA 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	155.50	44.07
23 09 23 53-0581 EA 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	470.70	44.07
23 09 23 53-0582 EA 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	301.50	44.07
23 09 23 53-0583 EA 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....	230.88	44.07
23 09 23 53-0584 EA 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	230.88	44.07
23 09 23 53-0585 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	6,116.07	220.36
23 09 23 53-0586 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,553.69	44.07
Note: 3 phase networked transducer.		
23 09 23 53-0587 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163- 2400-4-3).....	2,359.81	44.07
23 09 23 53-0588 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	247.47	44.07
23 09 23 53-0589 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	373.89	117.07
23 09 23 53-0590 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	374.38	117.07
23 09 23 53-0591 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	399.11	117.07
23 09 23 53-0592 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	405.29	117.07
23 09 23 53-0593 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	440.31	117.07
23 09 23 53-0594 EA Toggle Switch.....	153.40	55.09



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Instrumentation and Control for HVAC			23 09	
Direct-Digital Control System for HVAC			23 09 23	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0595	EA	Maintained Pushbutton Switch.....	163.49	55.09	
23 09 23 53-0596	EA	Manual Time Switch	258.63	55.09	
23 09 23 53-0597	EA	Emergency Stop Switch.....	428.77	55.09	
23 09 23 53-0598	EA	Float Switch	418.74	55.09	
23 09 23 53-0599	EA	Break Glass Switch.....	1,353.58	55.09	
23 09 23 53-0600	EA	Boiler E-Stop Switch	841.93	55.09	
23 09 23 53-0601 Relays (23 09 23 53-0570)					
23 09 23 53-0602	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	135.93	44.07	
23 09 23 53-0603	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	148.60	44.07	
23 09 23 53-0604	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	209.55	55.09	
		Note: Box type.			
23 09 23 53-0605	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	262.26	44.07	
23 09 23 53-0606	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	126.74	44.07	
23 09 23 53-0607	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	124.89	44.07	
23 09 23 53-0608	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	135.93	44.07	
23 09 23 53-0609	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	141.72	44.07	
23 09 23 53-0610	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	143.31	44.07	
23 09 23 53-0611	EA	SPDT Pilot Relay, Universal (Kele RIBU1C)	156.17	55.09	
		Note: Box type.			
23 09 23 53-0612	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S)	207.88	55.09	
		Note: Box type.			
23 09 23 53-0613	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	367.35	55.09	
23 09 23 53-0614	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	365.06	55.09	
23 09 23 53-0615 Transformers (23 09 23 53-0570)					
23 09 23 53-0616	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	162.38	44.07	
23 09 23 53-0617	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	176.76	44.07	
23 09 23 53-0618	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	176.76	44.07	
23 09 23 53-0619	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	189.78	44.07	
23 09 23 53-0620	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	197.80	44.07	
23 09 23 53-0621 Power Supplies (23 09 23 53-0570)					
23 09 23 53-0622	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	243.28	44.07	
23 09 23 53-0623	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	283.19	44.07	
23 09 23 53-0624	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	265.20	44.07	
23 09 23 53-0625	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	273.71	44.07	
23 09 23 53-0626	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	266.13	44.07	
23 09 23 53-0627	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	278.82	44.07	
23 09 23 53-0628	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	208.98	44.07	
23 09 23 53-0629 Carrier Sensors And Controls (23 09 23 53)					
23 09 23 53-0630	EA	Touch Screen Controller, Supports 512 ID Units (Carrier BMS-CT5120UL)	6,473.89	183.45	
23 09 23 53-0631	EA	Wired Remote Controller (Carrier RBC-AMS54E-UL)	409.92	44.07	
23 09 23 53-0632	EA	Remote Sensor (Carrier TCB-TC41UL).....	354.75	44.07	
23 09 23 53-0633	EA	VRF Start-up Assistance (Carrier VRFSA)	2,507.55		
23 09 23 53-0634	EA	2 Speed VFD Display Kit (Carrier CRDISKIT001A00)	564.35	68.86	
23 09 43 Pneumatic Control System For HVAC (23 09)					
23 09 43 00-0001		Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)			
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.58	1.00	
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.31	1.03	
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.35	1.06	
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.54	1.09	
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.30	1.00	
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.47	1.03	
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.84	1.06	
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.56	1.09	
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.74	0.97	
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.66	1.00	
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.57	1.06	
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.18	1.09	
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.67	1.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 43 Pneumatic Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.38	1.06
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.30	1.09
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.48	1.12
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.34	1.15
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	10.10	1.18
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.65	1.12
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.26	1.15
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.35	1.18
23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029 LF 1/4" Outside Diameter Copper Pneumatic Tubing.....	5.68	2.15
23 09 43 00-0030 LF 3/8" Outside Diameter Copper Pneumatic Tubing.....	6.95	2.48
23 09 43 00-0031 LF 1/2" Outside Diameter Copper Pneumatic Tubing.....	8.09	2.85
23 09 43 00-0032 LF 5/8" Outside Diameter Copper Pneumatic Tubing.....	10.05	3.28
23 09 43 00-0033 LF 3/4" Outside Diameter Copper Pneumatic Tubing.....	11.42	3.77
23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)		
23 09 43 00-0035 Straight Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0036 EA 1/4" x 1/4" Straight Brass Coupling.....	11.71	5.43
23 09 43 00-0037 EA 3/8" x 1/4" Straight Brass Coupling.....	11.85	5.43
23 09 43 00-0038 EA 3/8" x 3/8" Straight Brass Coupling.....	11.99	5.43
23 09 43 00-0039 Elbow Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0040 EA 1/4" x 1/4" Elbow Brass Coupling.....	12.49	5.43
23 09 43 00-0041 EA 3/8" x 3/8" Elbow Brass Coupling.....	12.96	5.43
23 09 43 00-0042 Tee Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0043 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling.....	19.06	8.45
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling.....	21.96	9.05
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling.....	21.46	9.05

23 10 Facility Fuel Systems (23)**23 11 Facility Fuel Piping (23 10)****23 11 23 Facility Natural-Gas Piping (23 11)**

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)**23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)**

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.43	2.12
23 11 23 00-0004 EA 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.07	2.29
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	8.47	2.48
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	10.67	2.62
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	12.57	2.76
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	19.07	2.87
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.81	3.05

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)**23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)**

23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.70	
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.70	
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.91	
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.91	
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.52	
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.26	
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.26	
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	91.90	
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	167.85	
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	271.51	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0023	EA		3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.74	
23 11 23 00-0024	EA		1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.91	
23 11 23 00-0025	EA		1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.91	
23 11 23 00-0026	EA		3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.52	
23 11 23 00-0027	EA		3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.52	
23 11 23 00-0028	EA		1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.90	
23 11 23 00-0029	EA		1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.90	
23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0031	EA		3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.09	
23 11 23 00-0032	EA		1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.76	
23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0034	EA		3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.15	
23 11 23 00-0035	EA		1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.64	
23 11 23 00-0036	EA		3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.23	
23 11 23 00-0037	EA		1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	81.88	
23 11 23 00-0038	EA		1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	152.96	
23 11 23 00-0039	EA		1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	298.18	
23 11 23 00-0040	EA		2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	494.84	
23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0042	EA		1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.91	
23 11 23 00-0043	EA		3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	91.37	
23 11 23 00-0044	EA		1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	144.50	
23 11 23 00-0045	EA		1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	248.31	
23 11 23 00-0046	EA		1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	266.96	
23 11 23 00-0047	EA		2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	306.47	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0049	EA		3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.97	
23 11 23 00-0050	EA		1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.23	
23 11 23 00-0051	EA		3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.58	
23 11 23 00-0052	EA		1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.83	
23 11 23 00-0053	EA		1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.64	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0055	EA		3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.71	
23 11 23 00-0056	EA		1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.82	
23 11 23 00-0057	EA		3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.20	
23 11 23 00-0058	EA		1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.96	
23 11 23 00-0059	EA		1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.96	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.02	
23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.65	
23 11 23 00-0063	EA		3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.85	
23 11 23 00-0064	EA		1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.32		
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	163.25		
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	202.92		
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.65		
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.22		
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	76.33		
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	137.75		
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	142.14		
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	195.39		
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	246.45		
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.18		
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.30		
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.16		
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.61		
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	191.26		
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	304.32		
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes mounting plate.			
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.81		
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.85		
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.85		
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.96		
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.40		
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.06		
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.58		
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.			
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.47	22.22	
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.85	23.32	
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.51	19.44	
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.71	23.10	
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.81	27.77	
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	122.37	37.09	
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes mounting hardware.			
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.14	23.10	
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.49	27.77	
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.12	23.10	
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.37	27.77	
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	189.55	69.42	
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.97	23.10	
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.97	23.10	
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	124.75	23.10	
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	134.00	27.77	
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	134.00	27.77	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	152.51		37.09
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	228.05		41.65
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	118.42		23.10
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	296.01		27.77
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	719.77		41.65
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) (23 11 23)			
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	46.00		16.66
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	50.16		17.77
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	54.15		17.77
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	56.73		18.88
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	59.97		18.88
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	67.04		19.99
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	73.47		19.99
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	79.83		21.10
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	46.00		16.66
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	50.16		17.77
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	54.15		17.77
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	56.73		18.88
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	59.97		18.88
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	67.04		19.99
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	73.47		19.99
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	79.83		21.10
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	46.00		16.66
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	50.16		17.77
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	54.15		17.77
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	56.73		18.88
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	59.97		18.88
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	67.04		19.99
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	73.47		19.99
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	79.83		21.10
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	46.00		16.66
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	50.16		17.77
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	63.79		17.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	56.73	18.88	
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	59.97	18.88	
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	67.04	19.99	
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	73.47	19.99	
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	79.83	21.10	
23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	49.72	16.66	
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	54.77	17.77	
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	54.15	17.77	
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	62.61	18.88	
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	59.97	18.88	
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	67.04	19.99	
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	73.47	19.99	
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	79.83	21.10	
23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	46.00	16.66	
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	59.61	17.77	
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	56.73	18.88	
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	59.97	18.88	
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	67.04	19.99	
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	83.29	19.99	
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	79.83	21.10	
23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	46.00	16.66	
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	50.16	17.77	
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	54.15	17.77	
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	56.73	18.88	
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	59.97	18.88	
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	67.04	19.99	
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	73.47	19.99	
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	79.83	21.10	
23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	46.00	16.66	
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	50.16	17.77	
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	54.15	17.77	
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	56.73	18.88	
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	59.97	18.88	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	67.04	19.99	
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	73.47	19.99	
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	79.83	21.10	
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	54.77	17.77	
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	54.15	17.77	
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	62.61	18.88	
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	66.48	18.88	
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	75.30	19.99	
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	46.00	16.66	
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	50.16	17.77	
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	50.30	17.77	
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	56.73	18.88	
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	55.36	18.88	
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	68.44	19.99	
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	73.47	19.99	
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	79.83	21.10	
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	46.00	16.66	
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	47.02	17.77	
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	48.17	17.77	
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	56.73	18.88	
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	59.97	18.88	
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	61.02	19.99	
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	73.47	19.99	
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	79.83	21.10	
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	46.00	16.66	
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	50.16	17.77	
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	54.15	17.77	
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	56.73	18.88	
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	52.16	18.88	
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	67.04	19.99	
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	73.47	19.99	
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	79.83	21.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	59.23	16.66
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	63.36	17.77
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	67.35	17.77
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	69.91	18.88
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	73.28	18.88
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	79.93	19.99
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	86.90	19.99
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	93.28	21.10
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	70.33	22.22
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	74.47	23.32
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	78.46	23.32
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	81.02	24.43
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	84.37	24.43
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	91.04	25.55
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	98.01	25.55
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	104.39	26.66
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	70.33	22.22
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	74.47	23.32
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	78.46	23.32
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	81.02	24.43
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	84.37	24.43
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	91.04	25.55
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	98.01	25.55
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	104.39	26.66
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	81.08	22.22
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	85.22	23.32
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	89.21	23.32
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	91.77	24.43
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	95.14	24.43
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	101.80	25.55
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	108.77	25.55
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0257 EA 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	81.08	22.22
23 11 23 00-0258 EA 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	85.22	23.32
23 11 23 00-0259 EA 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	89.21	23.32
23 11 23 00-0260 EA 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	95.14	24.43
23 11 23 00-0261 EA 48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	101.80	25.55
23 11 23 00-0262 EA 60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	108.77	25.55
23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264 EA 12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	81.08	22.22
23 11 23 00-0265 EA 18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	85.22	23.32
23 11 23 00-0266 EA 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	89.21	23.32
23 11 23 00-0267 EA 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	91.77	24.43
23 11 23 00-0268 EA 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	95.14	24.43
23 11 23 00-0269 EA 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	101.80	25.55
23 11 23 00-0270 EA 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	108.77	25.55
23 11 23 00-0271 EA 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	115.14	26.66
23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0273 EA 12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	67.49	22.22
23 11 23 00-0274 EA 18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	71.65	23.32
23 11 23 00-0275 EA 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	75.66	23.32
23 11 23 00-0276 EA 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	78.19	24.43
23 11 23 00-0277 EA 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	81.55	24.43
23 11 23 00-0278 EA 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	88.20	25.55
23 11 23 00-0279 EA 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	101.53	26.66
23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0281 EA 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	79.30	23.32
23 11 23 00-0282 EA 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	84.15	23.32
23 11 23 00-0283 Quarter-Turn, Gas Ball Valve (23 11 23)		
23 11 23 00-0284 EA 3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	42.97	11.82
23 11 23 00-0285 EA 1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	43.50	12.06
23 11 23 00-0286 EA 3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	62.00	13.27
23 11 23 00-0287 EA 3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	42.65	11.82
23 11 23 00-0288 EA 1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	45.05	12.06
23 11 23 00-0289 EA 1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	49.60	12.06
23 11 23 00-0290 EA 5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	54.39	12.66
23 11 23 00-0291 EA 5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	56.71	12.66
23 11 23 00-0292 EA 5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	56.71	12.66
23 11 23 00-0293 EA 3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	44.38	11.82
23 11 23 00-0294 EA 1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	46.78	12.06
23 11 23 00-0295 EA 5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	57.93	12.66
23 11 23 00-0296 EA 1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	47.00	12.06
23 11 23 00-0297 EA 3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	63.30	13.27
23 11 23 00-0298 EA 3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	44.29	11.82
23 11 23 00-0299 EA 3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	42.42	11.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0300 EA 1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	43.49	12.06
23 11 23 00-0301 EA 3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	59.50	13.27
23 11 23 00-0302 EA 1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	79.69	15.08
23 11 23 00-0303 EA 1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	112.42	15.68
23 11 23 00-0304 EA 1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	133.08	18.09
23 11 23 00-0305 EA 2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	163.48	21.71
23 11 23 00-0306 EA 1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	44.49	12.06
23 11 23 00-0307 EA 3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	59.19	13.27
23 11 23 00-0308 Gas Stops (23 11 23)		
23 11 23 00-0309 Brass/Bronze Gas Stops (23 11 23 00-0308)		
Note: Flat or square head		
23 11 23 00-0310 EA 3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.71	12.06
23 11 23 00-0311 EA 1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.57	12.06
23 11 23 00-0312 EA 3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	74.12	13.27
23 11 23 00-0313 EA 1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	105.24	15.08
23 11 23 00-0314 EA 1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	140.41	16.05
23 11 23 00-0315 EA 1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	177.76	18.57
23 11 23 00-0316 EA 2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	248.45	21.95
23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)		
23 11 23 00-0318 EA 1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	77.61	12.06
23 11 23 00-0319 EA 3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	94.82	13.27
23 11 23 00-0320 EA 1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	117.72	15.08
23 11 23 00-0321 EA 1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	152.53	16.05
23 11 23 00-0322 EA 1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	192.99	18.57
23 11 23 00-0323 EA 2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	251.91	21.95
23 11 23 00-0324 EA 2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	495.22	29.66
23 11 23 00-0325 EA 3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	667.44	34.43
23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
23 11 23 00-0327 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	205.20	12.06
23 11 23 00-0328 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	239.45	12.06
23 11 23 00-0329 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	304.63	13.27
23 11 23 00-0330 EA 1" Solenoid Valve, Bronze, 150 PSI, Gas.....	458.47	15.08
23 11 23 00-0331 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	822.00	18.57
23 11 23 00-0332 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,403.89	21.95
23 11 23 00-0333 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,738.03	29.66
23 11 23 00-0334 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,624.12	34.43
23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)		
23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)		
23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
23 11 26 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe.....	23.16	8.00
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-8.96	
23 11 26 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe.....	27.76	9.55
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-10.75	
23 11 26 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe.....	36.53	14.11
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-15.83	
23 11 26 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe.....	43.01	16.21
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-17.83	
23 11 26 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe.....	50.25	18.11
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-20.40	
23 11 26 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe.....	69.78	21.98
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-24.68	
23 11 26 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe.....	93.06	26.13
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-29.44	
23 11 26 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe.....	212.79	32.91
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-37.04	
23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	175.23	79.63
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-89.57	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	206.56	95.62
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-107.48	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	247.83	111.06
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-124.86	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	309.49	130.00
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-143.40	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	373.88	145.85
For Use As Inner Pipe In Double Wall Pipe System, Deduct	-164.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	538.90	182.26
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-205.00	
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	694.27	219.54
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-246.88	
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	1,573.72	272.23
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-306.13	
23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)					
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	175.65	79.63
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-89.57	
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	206.69	95.62
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-107.48	
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	248.22	111.17
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-124.95	
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	312.70	132.06
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-145.77	
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	373.72	145.85
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-164.00	
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	538.90	182.26
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-205.00	
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,192.11	219.54
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-246.88	
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,573.72	272.23
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-306.13	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)					
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee.....	358.52	119.51
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-134.36	
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee.....	444.00	143.94
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-161.81	
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee.....	504.96	166.71
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-187.44	
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee.....	642.93	198.03
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-218.75	
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee.....	776.58	219.54
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-246.88	
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee.....	977.20	272.23
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-306.13	
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee.....	1,572.79	329.31
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-370.32	
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee.....	2,105.70	400.38
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-450.19	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)					
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye.....	479.95	119.51
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-134.36	
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye.....	617.51	143.72
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-161.60	
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye.....	725.69	166.71
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-187.43	
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye.....	830.88	198.03
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-218.75	
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye.....	931.78	219.54
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-246.88	
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye.....	1,222.65	272.23
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-306.13	
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye.....	1,882.37	329.31
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-370.32	
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye.....	2,443.17	400.38
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-450.19	
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)					
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	271.42	79.63
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-89.57	
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	352.88	95.62
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-107.48	
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	386.06	111.17
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-124.95	
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	447.97	132.06
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-145.77	
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	506.38	145.85
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-164.00	
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	674.37	182.26
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-205.00	
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	863.03	219.54
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-246.88	
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	1,181.57	272.23
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-306.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)				
23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	217.16	79.63
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-89.57	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	249.24	95.62
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-107.48	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	282.53	111.17
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-124.95	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	346.56	132.06
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-145.77	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	407.14	145.85
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-164.00	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	400.95	182.26
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-205.00	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	512.55	219.54
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-246.88	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	806.91	272.23
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-306.13	
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)				
23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	41.31	9.55
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.75	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	82.56	19.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-21.44	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	139.91	14.66
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.49	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	162.57	20.45
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.99	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	151.79	14.54
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.40	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	182.69	21.87
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.59	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	226.99	24.49
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-27.06	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	271.25	26.24
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.55	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	143.06	30.62
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-34.44	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	195.07	43.74
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-49.16	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	240.65	31.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-35.00	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	361.21	46.58
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-52.43	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	281.08	32.15
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-36.10	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	367.72	48.11
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-54.16	
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)				
23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	144.20	79.63
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-89.57	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	173.49	95.62
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-107.48	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	200.58	111.17
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-124.95	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	241.34	132.06
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-145.77	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	278.62	145.85
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-164.00	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	361.27	182.26
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-205.00	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	463.08	219.54
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-246.88	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	566.07	272.23
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-306.13	
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)				
23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	147.30	79.63
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-89.57	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	177.59	95.62
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-107.48	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	210.08	109.22
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-122.78	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	253.50	130.00
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-143.50	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	296.61	145.85
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-164.00	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel Piping			23 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange For Use As Inner Pipe In Double Wall Pipe System, Deduct	367.58 -196.24	174.49
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange For Use As Inner Pipe In Double Wall Pipe System, Deduct	491.07 -246.88	219.54
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange For Use As Inner Pipe In Double Wall Pipe System, Deduct	678.00 -306.13	272.23
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)		
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	129.05	34.32
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	153.82	40.65
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	196.71	59.97
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	276.08	77.75
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	396.16	94.02
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	539.54	111.52
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	689.31	140.71
23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)		
23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,283.46	424.71
23 11 26 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,630.61	509.78
23 11 26 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,288.53	592.41
23 11 26 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,745.72	777.68
23 11 26 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	9,293.66	972.28
23 11 26 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	12,526.36	1,169.74
23 11 26 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	16,721.98	1,448.53
23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,287.04	424.71
23 11 26 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,624.33	509.78
23 11 26 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,283.60	592.41
23 11 26 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,716.69	777.68
23 11 26 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	9,251.64	972.28
23 11 26 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	12,469.39	1,170.29
23 11 26 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	16,648.90	1,451.82
23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)		
23 11 26 00-0126 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,182.49	637.07
23 11 26 00-0127 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,985.31	767.79
23 11 26 00-0128 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,499.68	889.07
23 11 26 00-0129 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,310.68	1,170.83
23 11 26 00-0130 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,242.17	1,451.82
23 11 26 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,027.86	1,754.22
23 11 26 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,881.50	2,126.94
23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)		
23 11 26 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,690.15	637.07
23 11 26 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,141.74	766.90
23 11 26 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,240.75	889.07
23 11 26 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,237.74	1,170.83
23 11 26 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,289.74	1,451.82
23 11 26 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,871.82	1,754.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,071.64	2,126.94
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,524.05	424.71
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,366.37	509.78
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,613.17	592.41
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,738.39	777.68
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,437.36	972.28
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,382.43	1,169.74
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,774.79	1,448.53
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,850.26	424.71
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,079.59	509.78
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,327.63	592.41
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,506.21	777.68
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,042.35	972.28
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,030.71	1,169.74
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,122.79	1,448.53
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	411.46	50.98
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	822.54	101.73
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,581.51	78.19
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,801.37	109.01
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,729.76	77.74
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,036.19	116.66
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,088.94	140.17
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,451.04	163.35
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,957.78	233.20
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,657.41	165.97
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,989.79	248.62
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,149.10	171.22
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,054.35	256.82
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,448.82	582.30
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,133.82	777.68
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,710.88	930.86
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,763.94	1,169.74
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	5,522.09	1,448.53
23 12 Facility Fuel Pumps (23 10)				
23 12 13 Facility Fuel-Oil Pumps (23 12)				
23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump (23 12 13)		
		Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002		10 GPM 1" Discharge (23 12 13 00-0001)		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,532.34	322.25
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,611.10	390.04
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,766.29	463.38
23 12 13 00-0006		25 GPM 1-1/4" Discharge (23 12 13 00-0001)		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,659.30	322.25



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Facility Fuel Systems			23 10
Facility Fuel Pumps			23 12

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,748.72	390.04
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,837.94	463.38
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)		
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel	1,155.18	180.57
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel	1,356.11	202.25
23 12 13 00-0013 EA 1/2 HP Pump Fuel Oil/Diesel	1,483.84	226.69
23 12 13 00-0014 EA 3/4 HP Pump Fuel Oil/Diesel	1,620.47	255.58
23 12 13 00-0015 EA 1 HP Pump Fuel Oil/Diesel	2,264.12	284.48
23 12 13 00-0016 EA 1-1/2 HP Pump Fuel Oil/Diesel	2,763.15	318.36
23 12 13 00-0017 EA 2 HP Pump Fuel Oil/Diesel	3,062.92	356.70
23 12 13 00-0018 EA 3 HP Pump Fuel Oil/Diesel	3,727.26	398.93
23 12 13 00-0019 EA 5 HP Pump Fuel Oil/Diesel	4,388.93	447.27
23 12 13 00-0020 EA 7.5 HP Pump Fuel Oil/Diesel	4,914.20	501.72
23 12 13 00-0021 EA 10 HP Pump Fuel Oil/Diesel	5,509.63	562.39
23 12 23 Facility Natural-Gas Pumps (23 12)		
23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)		
23 12 23 00-0002 EA Natural Gas Booster Pump, 3/4" Outlet Size	1,271.13	166.69
23 12 23 00-0003 EA Natural Gas Booster Pump, 1" Outlet Size	1,509.89	186.13
23 12 23 00-0004 EA Natural Gas Booster Pump, 1-1/4" Outlet Size	1,685.63	194.47
23 12 23 00-0005 EA Natural Gas Booster Pump, 1-1/2" Outlet Size	1,927.49	202.80
23 12 23 00-0006 EA Natural Gas Booster Pump, 2" Outlet Size	2,184.59	208.35
23 13 Facility Fuel-Storage Tanks (23 10)		
23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)		
23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)		
23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)		
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002 EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,560.21	783.00
23 13 13 13-0003 EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,978.26	783.00
23 13 13 13-0004 EA 1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,439.49	978.68
23 13 13 13-0005 EA 2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,522.45	1,911.60
23 13 13 13-0006 EA 3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,803.35	2,457.64
23 13 13 13-0007 EA 4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,614.46	2,822.68
23 13 13 13-0008 EA 5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,842.35	3,732.18
23 13 13 13-0009 EA 6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,276.44	4,007.13
23 13 13 13-0010 EA 8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,667.82	4,733.92
23 13 13 13-0011 EA 10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	105,008.22	5,460.23
23 13 13 13-0012 EA 12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,425.44	6,004.56
23 13 13 13-0013 EA 14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,341.46	7,290.50
23 13 13 13-0014 EA 15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	164,568.52	7,737.12
23 13 13 13-0015 EA 20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	201,651.72	12,272.69
23 13 13 13-0016 EA 25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	247,739.43	15,914.66
23 13 13 13-0017 EA 30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	291,947.29	18,209.26
23 13 13 13-0018 EA 40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	375,864.91	19,574.97
23 13 13 13-0019 EA 48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	509,834.78	20,076.93
23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)		
23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)		
23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)		
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003 EA 550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,667.39	783.00
23 13 13 23-0004 EA 1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,863.60	978.68
23 13 13 23-0005 EA 2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,623.72	1,210.92
23 13 13 23-0006 EA 2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,645.08	1,474.95
23 13 13 23-0007 EA 3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,662.93	1,729.88
23 13 13 23-0008 EA 4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,733.54	2,276.16
23 13 13 23-0009 EA 5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,891.53	3,459.76
23 13 13 23-0010 EA 6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,653.78	4,370.23
23 13 13 23-0011 EA 8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,821.46	4,916.50
23 13 13 23-0012 EA 10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,145.81	5,826.96
23 13 13 23-0013 EA 12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,323.45	6,919.52
23 13 13 23-0014 EA 15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	33,564.49	8,649.40
23 13 13 23-0015 EA 20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,301.67	11,562.88
23 13 13 23-0016 EA 25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	63,558.35	14,385.32
23 13 13 23-0017 EA 30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	77,969.54	17,298.80
23 13 13 23-0018 EA 40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	111,223.29	25,037.74
23 13 13 23-0019 EA 50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	158,845.98	31,866.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 13 13 23-0020****Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,087.88	783.00
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,984.49	978.68
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,367.96	1,183.61
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,657.67	1,730.00
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,915.67	2,276.16
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	23,985.63	3,459.76
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,647.35	4,370.23
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,813.29	4,916.50
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,137.63	5,826.96
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,564.55	6,919.52
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	58,612.35	8,649.40
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,534.00	11,562.88
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	112,199.54	17,298.80

23 13 13 23-0034**Underground Storage Tank Pump Enclosures (23 13 13 23)**

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.80	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.80	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.96	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.92	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.40	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,194.52	144.80
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,282.43	152.04
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,391.88	162.89
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,597.85	173.75
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,780.57	180.99
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,099.45	217.19
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,821.68	253.39
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX)	3,568.04	289.58
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,572.93	325.78
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,096.93	361.98
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,834.67	434.38
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX)	6,537.94	506.77
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,261.88	579.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,056.50	615.37
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,856.29	651.57
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX)	9,764.68	687.76
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX)	10,559.30	723.96
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX)	11,765.88	868.76
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX)	12,691.49	941.15
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX)	13,934.27	1,085.94
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)	15,182.22	1,230.74
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,446.17	144.80
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,535.81	152.04
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,645.26	162.89
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel-Storage Tanks			23 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0026	EA		50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,849.51	173.75
23 13 23 13-0027	EA		60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,032.22	180.99
23 13 23 13-0028	EA		75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,352.83	217.19
23 13 23 13-0029	EA		100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,099.20	253.39
23 13 23 13-0030	EA		150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,845.55	289.58
23 13 23 13-0031	EA		200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,850.45	325.78
23 13 23 13-0032	EA		275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,374.45	361.98
23 13 23 13-0033	EA		300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,112.18	434.38
23 13 23 13-0034	EA		350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,815.45	506.77
23 13 23 13-0035	EA		400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,539.40	579.17
23 13 23 13-0036	EA		450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,334.01	615.37
23 13 23 13-0037	EA		500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,133.80	651.57
23 13 23 13-0038	EA		550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,043.92	687.76
23 13 23 13-0039	EA		600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,838.53	723.96
23 13 23 13-0040	EA		700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,043.39	868.76
23 13 23 13-0041	EA		800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,969.00	941.15
23 13 23 13-0042	EA		900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,211.78	1,085.94
23 13 23 13-0043	EA		1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,459.74	1,230.74
23 13 23 13-0044	EA		10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,399.37	144.80
23 13 23 13-0045	EA		15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,478.66	152.04
23 13 23 13-0046	EA		25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,550.19	162.89
23 13 23 13-0047	EA		50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,823.39	173.75
23 13 23 13-0048	EA		60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,926.81	180.99
23 13 23 13-0049	EA		75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,235.35	217.19
23 13 23 13-0050	EA		100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,893.81	253.39
23 13 23 13-0051	EA		150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,912.51	289.58
23 13 23 13-0052	EA		200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,524.41	325.78
23 13 23 13-0053	EA		275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,217.06	361.98
23 13 23 13-0054	EA		300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,158.19	434.38
23 13 23 13-0055	EA		350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,727.01	506.77
23 13 23 13-0056	EA		400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,499.22	579.17
23 13 23 13-0057	EA		450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,257.64	615.37
23 13 23 13-0058	EA		500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,257.38	651.57
23 13 23 13-0059	EA		550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,674.52	687.76
23 13 23 13-0060	EA		600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,048.56	723.96
23 13 23 13-0061	EA		700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,784.31	868.76
23 13 23 13-0062	EA		800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,463.16	941.15
23 13 23 13-0063	EA		900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,302.34	1,085.94
23 13 23 13-0064	EA		1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,170.82	1,230.74
23 13 23 13-0065	EA		10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,537.00	144.80
23 13 23 13-0066	EA		15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,616.29	152.04
23 13 23 13-0067	EA		25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,687.82	162.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,961.02	173.75
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,064.44	180.99
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,372.98	217.19
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,031.44	253.39
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,050.14	289.58
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,737.88	325.78
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,958.24	361.98
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,899.37	434.38
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,469.91	506.77
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,240.40	579.17
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,000.55	615.37
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,998.56	651.57
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,415.70	687.76
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,789.74	723.96
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,525.49	868.76
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,206.07	941.15
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,043.52	1,085.94
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,912.00	1,230.74
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,173.03	144.80
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,260.95	152.04
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,334.20	162.89
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,616.02	173.75
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,767.70	180.99
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,048.67	217.19
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,732.98	253.39
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,799.94	289.58
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,434.24	325.78
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,192.40	361.98
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,181.79	434.38
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,697.17	506.77
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,572.81	579.17
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,489.81	615.37
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,411.98	651.57
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,879.10	687.76



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel-Storage Tanks			23 13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,227.29	723.96
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,040.60	868.76
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,800.47	941.15
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,720.66	1,085.94
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,666.71	1,230.74
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,310.66	144.80
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,398.57	152.04
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,471.83	162.89
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,753.65	173.75
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,905.33	180.99
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,182.85	217.19
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,870.61	253.39
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,937.57	289.58
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,571.87	325.78
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,933.58	361.98
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,922.97	434.38
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,610.73	506.77
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,313.99	579.17
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,230.99	615.37
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,153.16	651.57
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,620.29	687.76
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,970.19	723.96
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,781.79	868.76
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,541.66	941.15
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,461.84	1,085.94
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,407.89	1,230.74
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,183.28	144.80
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,281.81	152.04
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,390.92	162.89
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,588.75	173.75
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,108.20	180.99
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,168.53	217.19
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,724.88	253.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,369.95	289.58
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,422.28	325.78
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,551.99	361.98
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,664.66	434.38
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,165.29	506.77
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,668.19	579.17
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,417.92	615.37
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,169.93	651.57
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,824.13	687.76
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,485.11	723.96
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,868.61	868.76
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,172.39	941.15
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,633.25	1,085.94
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,044.06	1,230.74
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,247.68	152.04
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,357.04	162.89
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,471.20	173.75
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,673.00	180.99
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,268.90	217.19
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,329.24	253.39
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,913.13	289.58
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,590.68	325.78
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,698.13	361.98
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,887.24	398.18
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,055.03	470.57
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,576.76	542.97
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,100.90	615.37
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,888.94	651.57
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,679.38	687.76
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,366.56	723.96
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,121.24	796.36
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,568.19	941.15
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,058.37	1,085.94
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,586.99	1,230.74
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,062.76	1,375.53
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,363.02	144.80
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,484.30	152.04
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,607.07	162.89
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,850.41	173.75
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,467.70	180.99
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,528.03	217.19
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,166.28	253.39
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,918.29	289.58
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,156.57	325.78
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,544.00	361.98
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,859.17	434.38
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,430.33	506.77
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,006.04	579.17
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,899.11	615.37
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,794.46	651.57
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,555.58	687.76
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,334.89	723.96
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,957.30	868.76
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,502.26	941.15
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,202.02	1,085.94
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,851.73	1,230.74
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,437.41	152.04
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,570.79	162.89
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,699.35	173.75
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,949.19	180.99
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,648.36	217.19
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,708.70	253.39
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,379.05	289.58
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,169.48	325.78
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,473.21	361.98
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,934.37	398.18
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,315.90	470.57
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,912.09	542.97
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,513.08	615.37
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,452.42	651.57
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,394.17	687.76
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	12,194.21	723.96
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	13,073.79	796.36
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,772.91	941.15
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,517.67	1,085.94
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	18,298.47	1,230.74
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	20,026.41	1,375.53

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
Facility Fuel Systems			23 10	
Facility Fuel-Storage Tanks			23 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)		
Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,320.68	786.95
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,395.86	952.61
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,655.16	1,333.59
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,192.70	1,666.98
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,415.81	2,237.19
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	20,306.83	2,302.99
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	29,558.97	2,847.33
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	40,638.44	3,262.50
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	48,459.45	3,559.06
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	56,268.26	3,914.99
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	62,288.15	4,349.95
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	77,792.07	5,592.80
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	106,347.27	6,524.99
23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)		
Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,462.17	981.94
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings ...	10,167.80	1,188.26
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,566.81	1,666.98
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,799.44	2,083.73
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,864.37	2,796.45
23 13 23 16-0021 EA 2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	27,695.38	2,796.45
For 1/4" Thick Shell, Add	6,646.89	
For Fireguard® Tanks, Add	4,044.88	
23 13 23 16-0022 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	32,641.15	2,878.65
23 13 23 16-0023 EA 4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,217.71	3,212.48
For 1/4" Thick Shell, Add	9,652.25	
For Fireguard® Tanks, Add	6,074.98	
23 13 23 16-0024 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	47,794.16	3,546.20
23 13 23 16-0025 EA 6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	53,363.53	3,685.56
For 1/4" Thick Shell, Add	12,807.25	
For Fireguard® Tanks, Add	8,197.40	
23 13 23 16-0026 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	66,119.69	4,078.15
23 13 23 16-0027 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,040.90	4,448.89
23 13 23 16-0028 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	91,906.56	4,893.68
23 13 23 16-0029 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	101,729.68	5,437.53
23 13 23 16-0030 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	126,956.00	6,991.02
23 13 23 16-0031 EA 25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	150,588.91	7,573.60
For Fireguard® Tanks, Add	23,803.58	
23 13 23 16-0032 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	174,221.84	8,156.17
23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks (23 13 23 16)		
Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0034 EA 550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,517.60	1,188.26
23 13 23 16-0035 EA 750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,477.38	1,375.26
23 13 23 16-0036 EA 1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,634.09	1,666.98
23 13 23 16-0037 EA 1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,488.12	2,083.73
23 13 23 16-0038 EA 2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	30,051.09	2,796.45
Note: Includes 2" solenoid valve.		
23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated	5,291.56	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated	6,394.49	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated	13,949.25	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated	15,275.33	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated	21,698.92	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated	24,310.08	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated	32,087.95	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated	37,659.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	42,783.99	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	52,097.45	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	66,689.80	
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank	29,456.85	1,693.34
For Low Profile Tanks, Add	10,837.62	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank	37,086.26	1,911.60
For Low Profile Tanks, Add	13,767.56	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank	65,733.10	2,276.16
For Low Profile Tanks, Add	25,022.82	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank	104,232.17	5,006.46
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank	119,061.22	5,467.88
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank	133,987.50	5,904.90
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank	148,888.45	6,407.60
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank	163,781.42	6,820.59
23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)		
23 13 33 00-0001 EPA Requirements (23 13 33)		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	808.89	
23 13 33 00-0003 EA Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass	4,815.65	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	3,464.86	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent)	153.62	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level	430.42	
23 13 33 00-0008 EA Manhole Spill Containment	1,284.97	281.56
23 13 33 00-0009 EA Fill Adapter, 4"	349.55	187.74
23 13 33 00-0010 EA Fill Cap, 4"	237.24	70.39
23 13 33 00-0011 EA 2" Vent Cap.....	142.83	46.97
23 13 33 00-0012 EA 4" x 2" Extractor Fitting	478.00	70.39
23 13 33 00-0013 EA Float Vent Valve	428.48	140.78
23 13 33 00-0014 EA Vapor Hose Adapter	459.39	93.82
23 13 33 00-0015 EA Dust Cap.....	198.85	51.24
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	489.21	80.41
23 13 33 00-0017 EA 10' Wood Gage Stick	38.68	
23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT	168.15	
23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet	227.64	
23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent	81.80	
23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent	109.19	
23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent	169.26	
23 13 33 00-0023 EA Pressure And Vacuum Control Vent	1,018.26	
23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set	1,990.96	
23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set	2,358.52	
23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set	2,568.79	
23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set	2,814.33	
23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set	4,050.17	
23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set	5,010.51	
23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set	5,545.95	
23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set	6,827.31	
23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set	8,089.25	
23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set	9,054.76	
23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set	10,463.01	
23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	47.81	
23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	53.41	
23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	58.71	
23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	70.70	
23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	73.10	
23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	95.50	
23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	150.06	
23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	260.83	
23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	55.36	
23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	60.93	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
Facility Fuel Systems			23 10
Facility Fuel-Storage Tanks			23 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	66.53	
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	82.86	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	88.45	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	109.41	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	168.60	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	287.16	
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	57.08	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	65.87	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	74.36	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	95.97	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	125.03	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	193.79	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	302.82	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread	66.65	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread	78.61	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread	96.64	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	117.60	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	120.00	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread	171.06	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread	304.96	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread	543.13	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread	58.91	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread	75.71	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	78.13	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	80.53	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread	111.71	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread	140.88	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	248.03	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	283.52	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	348.39	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	401.62	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	462.68	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread	582.57	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	756.56	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread	835.83	
23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	254.41	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	254.88	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	371.51	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	379.36	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	511.21	

23 20 HVAC Piping and Pumps (23)

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

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

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

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0003	LF		1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	21.00 5.11 4.59	4.44
23 21 13 23-0004	LF		3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	22.93 5.70 4.80	4.77
23 21 13 23-0005	LF		1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	25.37 6.43 5.06	5.22
23 21 13 23-0006	LF		1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	30.25 7.98 5.46	5.44
23 21 13 23-0007	LF		1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	32.15 8.62 5.54	6.45
23 21 13 23-0008	LF		2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	38.21 10.43 6.24	7.77
23 21 13 23-0009	LF		2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	54.43 15.47 7.74	9.21
23 21 13 23-0010	LF		3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	69.10 19.82 9.48	12.33
23 21 13 23-0011	LF		4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	95.14 28.65 10.50	14.54
23 21 13 23-0012	LF		5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	141.96 44.43 12.52	18.58
23 21 13 23-0013	LF		6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add For Work In Restricted Working Space, Add	171.28 54.10 14.18	21.98
23 21 13 23-0014			Threaded Black Steel Pipe And Fittings (23 21 13 23-0001) Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015			Threaded And Coupled, Black Steel Piping (23 21 13 23-0014) Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016	LF		3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	7.80 1.55 1.68	2.78
23 21 13 23-0017	LF		1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	10.39 2.32 2.02	4.44
23 21 13 23-0018	LF		3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	11.91 2.85 2.15	4.77
23 21 13 23-0019	LF		1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	14.08 3.62 2.33	5.22
23 21 13 23-0020	LF		1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	16.68 4.63 2.47	5.44
23 21 13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	19.77 5.52 2.90	6.45
23 21 13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... For Schedule 80 Pipe, Add For Work In Restricted Working Space, Add	24.93 7.13 3.51	7.77



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0023	LF	2-1/2"	Schedule 40, Threaded And Coupled, Black Steel Pipe	34.81	9.21
			For Schedule 80 Pipe, Add	10.80	
			For Work In Restricted Working Space, Add	4.17	
23 21 13 23-0024	LF	3"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	45.91	12.33
			For Schedule 80 Pipe, Add	14.18	
			For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0025	LF	4"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	62.82	14.54
			For Schedule 80 Pipe, Add	20.61	
			For Work In Restricted Working Space, Add	6.56	
23 21 13 23-0026	LF	5"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	82.25	18.58
			For Schedule 80 Pipe, Add	27.27	
			For Work In Restricted Working Space, Add	8.35	
23 21 13 23-0027	LF	6"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	104.68	21.98
			For Schedule 80 Pipe, Add	35.59	
			For Work In Restricted Working Space, Add	9.87	
23 21 13 23-0028	LF	8"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	146.21	26.56
			For Schedule 80 Pipe, Add	51.88	
			For Work In Restricted Working Space, Add	11.93	
23 21 13 23-0029	LF	10"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	199.26	32.36
			For Schedule 80 Pipe, Add	72.66	
			For Work In Restricted Working Space, Add	14.58	
23 21 13 23-0030	LF	12"	Schedule 40, Threaded And Coupled, Black Steel Pipe.....	266.36	42.53
			For Schedule 80 Pipe, Add	97.54	
			For Work In Restricted Working Space, Add	19.13	
23 21 13 23-0031	Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)				
23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	29.07	16.44	
		For 300 Lb. Rating, Add	12.02		
		For Standard Weight Cast Iron Fittings, Add	0.07		
		For Work In Restricted Working Space, Add	7.40		
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	32.66	19.77	
		For 300 Lb. Rating, Add	9.07		
		For Standard Weight Cast Iron Fittings, Add	0.05		
		For Work In Restricted Working Space, Add	8.89		
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	36.82	22.11	
		For 300 Lb. Rating, Add	10.80		
		For Standard Weight Cast Iron Fittings, Add	0.06		
		For Work In Restricted Working Space, Add	9.95		
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	43.39	24.65	
		For 300 Lb. Rating, Add	17.51		
		For Standard Weight Cast Iron Fittings, Add	0.10		
		For Work In Restricted Working Space, Add	11.11		
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	52.41	27.99	
		For 300 Lb. Rating, Add	27.71		
		For Standard Weight Cast Iron Fittings, Add	0.17		
		For Work In Restricted Working Space, Add	12.57		
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	61.08	31.54	
		For 300 Lb. Rating, Add	36.00		
		For Standard Weight Cast Iron Fittings, Add	0.22		
		For Work In Restricted Working Space, Add	14.18		
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	83.87	40.09	
		For 300 Lb. Rating, Add	60.82		
		For Standard Weight Cast Iron Fittings, Add	0.38		
		For Work In Restricted Working Space, Add	18.01		
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	141.94	59.31	
		For 300 Lb. Rating, Add	132.75		
		For Standard Weight Cast Iron Fittings, Add	0.85		
		For Work In Restricted Working Space, Add	26.66		
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	194.60	77.97	
		For 300 Lb. Rating, Add	193.47		
		For Standard Weight Cast Iron Fittings, Add	1.24		
		For Work In Restricted Working Space, Add	35.07		
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	294.43	85.06	
		For 300 Lb. Rating, Add	408.17		
		For Standard Weight Cast Iron Fittings, Add	2.67		
		For Work In Restricted Working Space, Add	38.27		
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	620.74	88.77	
		For 300 Lb. Rating, Add	1,178.32		
		For Standard Weight Cast Iron Fittings, Add	7.80		
		For Work In Restricted Working Space, Add	39.93		
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	702.45	92.82	
		For 300 Lb. Rating, Add	1,360.27		
		For Standard Weight Cast Iron Fittings, Add	9.01		
		For Work In Restricted Working Space, Add	41.75		
23 21 13 23-0044	Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)				
23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	32.93	18.11	
		For 300 Lb. Rating, Add	15.52		
		For Standard Weight Cast Iron Fittings, Add	0.09		
		For Work In Restricted Working Space, Add	8.14		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.35	20.88
		For 300 Lb. Rating, Add	16.19	
		For Standard Weight Cast Iron Fittings, Add	0.10	
		For Work In Restricted Working Space, Add	9.42	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.25	19.33
		For 300 Lb. Rating, Add	21.73	
		For Standard Weight Cast Iron Fittings, Add	0.13	
		For Work In Restricted Working Space, Add	8.68	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	42.75	23.43
		For 300 Lb. Rating, Add	20.49	
		For Standard Weight Cast Iron Fittings, Add	0.12	
		For Work In Restricted Working Space, Add	10.53	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	41.58	22.22
		For 300 Lb. Rating, Add	21.82	
		For Standard Weight Cast Iron Fittings, Add	0.13	
		For Work In Restricted Working Space, Add	10.00	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	47.12	20.54
		For 300 Lb. Rating, Add	40.88	
		For Standard Weight Cast Iron Fittings, Add	0.26	
		For Work In Restricted Working Space, Add	9.26	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	52.32	26.32
		For 300 Lb. Rating, Add	33.23	
		For Standard Weight Cast Iron Fittings, Add	0.21	
		For Work In Restricted Working Space, Add	11.84	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	51.88	24.99
		For 300 Lb. Rating, Add	36.72	
		For Standard Weight Cast Iron Fittings, Add	0.23	
		For Work In Restricted Working Space, Add	11.26	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	52.53	23.88
		For 300 Lb. Rating, Add	42.39	
		For Standard Weight Cast Iron Fittings, Add	0.27	
		For Work In Restricted Working Space, Add	10.73	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	62.73	29.77
		For 300 Lb. Rating, Add	46.23	
		For Standard Weight Cast Iron Fittings, Add	0.29	
		For Work In Restricted Working Space, Add	13.37	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	60.29	28.10
		For 300 Lb. Rating, Add	46.09	
		For Standard Weight Cast Iron Fittings, Add	0.29	
		For Work In Restricted Working Space, Add	12.64	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	60.97	26.77
		For 300 Lb. Rating, Add	52.26	
		For Standard Weight Cast Iron Fittings, Add	0.33	
		For Work In Restricted Working Space, Add	12.06	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	79.95	35.76
		For 300 Lb. Rating, Add	66.34	
		For Standard Weight Cast Iron Fittings, Add	0.42	
		For Work In Restricted Working Space, Add	16.10	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	80.86	33.99
		For 300 Lb. Rating, Add	74.79	
		For Standard Weight Cast Iron Fittings, Add	0.48	
		For Work In Restricted Working Space, Add	15.29	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	78.41	32.32
		For 300 Lb. Rating, Add	74.65	
		For Standard Weight Cast Iron Fittings, Add	0.48	
		For Work In Restricted Working Space, Add	14.56	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	78.28	31.10
		For 300 Lb. Rating, Add	78.85	
		For Standard Weight Cast Iron Fittings, Add	0.51	
		For Work In Restricted Working Space, Add	13.98	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	146.61	49.65
		For 300 Lb. Rating, Add	177.67	
		For Standard Weight Cast Iron Fittings, Add	1.15	
		For Work In Restricted Working Space, Add	22.33	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	144.48	45.43
		For 300 Lb. Rating, Add	187.49	
		For Standard Weight Cast Iron Fittings, Add	1.22	
		For Work In Restricted Working Space, Add	20.42	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	237.94	68.64
		For 300 Lb. Rating, Add	330.32	
		For Standard Weight Cast Iron Fittings, Add	2.16	
		For Work In Restricted Working Space, Add	30.86	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	205.14	58.97
		For 300 Lb. Rating, Add	285.32	
		For Standard Weight Cast Iron Fittings, Add	1.87	
		For Work In Restricted Working Space, Add	26.54	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	352.14	80.90
		For 300 Lb. Rating, Add	561.25	
		For Standard Weight Cast Iron Fittings, Add	3.69	
		For Work In Restricted Working Space, Add	36.40	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	31.29	16.44
		For 300 Lb. Rating, Add	.....	17.34	
		For Standard Weight Cast Iron Fittings, Add	.....	0.11	
		For Work In Restricted Working Space, Add	.....	7.40	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	34.64	19.77
		For 300 Lb. Rating, Add	.....	13.83	
		For Standard Weight Cast Iron Fittings, Add	.....	0.08	
		For Work In Restricted Working Space, Add	.....	8.89	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	39.36	22.11
		For 300 Lb. Rating, Add	.....	16.89	
		For Standard Weight Cast Iron Fittings, Add	.....	0.10	
		For Work In Restricted Working Space, Add	.....	9.95	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	44.84	24.65
		For 300 Lb. Rating, Add	.....	20.99	
		For Standard Weight Cast Iron Fittings, Add	.....	0.13	
		For Work In Restricted Working Space, Add	.....	11.11	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	55.74	27.99
		For 300 Lb. Rating, Add	.....	35.71	
		For Standard Weight Cast Iron Fittings, Add	.....	0.22	
		For Work In Restricted Working Space, Add	.....	12.57	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	64.37	31.54
		For 300 Lb. Rating, Add	.....	43.90	
		For Standard Weight Cast Iron Fittings, Add	.....	0.27	
		For Work In Restricted Working Space, Add	.....	14.18	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	85.90	40.09
		For 300 Lb. Rating, Add	.....	65.69	
		For Standard Weight Cast Iron Fittings, Add	.....	0.41	
		For Work In Restricted Working Space, Add	.....	18.01	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	163.72	59.31
		For 300 Lb. Rating, Add	.....	185.02	
		For Standard Weight Cast Iron Fittings, Add	.....	1.20	
		For Work In Restricted Working Space, Add	.....	26.66	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	214.15	77.97
		For 300 Lb. Rating, Add	.....	240.39	
		For Standard Weight Cast Iron Fittings, Add	.....	1.56	
		For Work In Restricted Working Space, Add	.....	35.07	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	318.24	85.06
		For 300 Lb. Rating, Add	.....	465.31	
		For Standard Weight Cast Iron Fittings, Add	.....	3.05	
		For Work In Restricted Working Space, Add	.....	38.27	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	886.35	88.77
		For 300 Lb. Rating, Add	.....	1,815.79	
		For Standard Weight Cast Iron Fittings, Add	.....	12.05	
		For Work In Restricted Working Space, Add	.....	39.93	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	.....	909.81	92.82
		For 300 Lb. Rating, Add	.....	1,857.93	
		For Standard Weight Cast Iron Fittings, Add	.....	12.33	
		For Work In Restricted Working Space, Add	.....	41.75	
23 21 13 23-0079		Black Malleable Iron Tees (23 21 13 23-0014)	.....		
23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	.....	37.22	20.32
		For 300 Lb. Rating, Add	.....	17.14	
		For Standard Weight Cast Iron Fittings, Add	.....	0.10	
		For Work In Restricted Working Space, Add	.....	9.26	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	.....	41.09	24.65
		For 300 Lb. Rating, Add	.....	11.99	
		For Standard Weight Cast Iron Fittings, Add	.....	0.07	
		For Work In Restricted Working Space, Add	.....	11.11	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	.....	48.55	28.54
		For 300 Lb. Rating, Add	.....	16.56	
		For Standard Weight Cast Iron Fittings, Add	.....	0.09	
		For Work In Restricted Working Space, Add	.....	12.82	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	.....	60.47	33.66
		For 300 Lb. Rating, Add	.....	27.00	
		For Standard Weight Cast Iron Fittings, Add	.....	0.16	
		For Work In Restricted Working Space, Add	.....	15.14	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	.....	76.21	40.09
		For 300 Lb. Rating, Add	.....	42.43	
		For Standard Weight Cast Iron Fittings, Add	.....	0.26	
		For Work In Restricted Working Space, Add	.....	18.01	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	.....	91.77	47.76
		For 300 Lb. Rating, Add	.....	52.59	
		For Standard Weight Cast Iron Fittings, Add	.....	0.32	
		For Work In Restricted Working Space, Add	.....	21.50	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	.....	123.14	59.31
		For 300 Lb. Rating, Add	.....	87.63	
		For Standard Weight Cast Iron Fittings, Add	.....	0.55	
		For Work In Restricted Working Space, Add	.....	26.66	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	.....	190.84	77.97
		For 300 Lb. Rating, Add	.....	184.45	
		For Standard Weight Cast Iron Fittings, Add	.....	1.18	
		For Work In Restricted Working Space, Add	.....	35.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	247.73 269.69 1.74 41.65	92.63
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	424.33 641.37 4.21 48.34	107.48
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	988.96 1,925.79 12.76 57.40	127.59
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	1,074.66 2,067.52 13.70 65.60	145.85
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)				
23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	43.94 18.83 0.11 11.11	24.65
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	51.74 24.21 0.14 12.82	28.54
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	61.86 30.34 0.18 15.14	33.66
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	82.41 57.31 0.36 18.01	40.09
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	96.44 63.80 0.40 21.50	47.76
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	124.84 91.71 0.58 26.66	59.31
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	229.06 276.17 1.79 35.07	77.97
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	267.28 316.61 2.06 41.65	92.63
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	472.64 757.32 4.98 48.34	107.48
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	913.90 1,745.65 11.56 57.40	127.59
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	1,038.22 1,980.06 13.11 65.60	145.85
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)				
23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	30.14 14.58 0.09 7.40	16.44
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	33.82 11.86 0.07 8.89	19.77
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	38.07 13.80 0.08 9.95	22.11
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	44.39 19.91 0.12 11.11	24.65



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0109	EA	1-1/4"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	51.46 25.43 0.15 12.57	27.99
23 21 13 23-0110	EA	1-1/2"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	60.16 33.80 0.21 14.18	31.54
23 21 13 23-0111	EA	2"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	79.15 49.49 0.31 18.01	40.09
23 21 13 23-0112	EA	2-1/2"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	141.60 131.93 0.84 26.66	59.31
23 21 13 23-0113	EA	3"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	188.23 178.18 1.14 35.07	77.97
23 21 13 23-0114	EA	4"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	271.19 352.39 2.30 38.27	85.06
23 21 13 23-0115	EA	5"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	537.56 978.69 6.47 39.93	88.77
23 21 13 23-0116	EA	6"	150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	599.93 1,114.22 7.37 41.75	92.82
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)					
23 21 13 23-0118	EA	1/2"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	34.84 14.31 0.08 8.89	19.77
23 21 13 23-0119	EA	3/4"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	38.68 15.26 0.09 9.95	22.11
23 21 13 23-0120	EA	1"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	45.62 22.86 0.14 11.11	24.65
23 21 13 23-0121	EA	1-1/4"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	52.97 29.06 0.18 12.57	27.99
23 21 13 23-0122	EA	1-1/2"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	61.24 36.39 0.22 14.18	31.54
23 21 13 23-0123	EA	2"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	80.29 52.23 0.32 18.01	40.09
23 21 13 23-0124	EA	2-1/2"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	148.72 149.02 0.96 26.66	59.31
23 21 13 23-0125	EA	3"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	189.69 181.69 1.16 35.07	77.97
23 21 13 23-0126	EA	4"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	273.43 357.77 2.33 38.27	85.06
23 21 13 23-0127	EA	5"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	461.00 794.95 5.25 39.93	88.77
23 21 13 23-0128	EA	6"	150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	560.30 1,019.11 6.74 41.75	92.82
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 13 23-0130	EA 1/2", 150 Lb., Black Malleable Iron Cap.....	16.40		8.77	
	For 300 Lb. Rating, Add	8.19			
	For Standard Weight Cast Iron Fittings, Add	0.05			
	For Work In Restricted Working Space, Add	4.00			
23 21 13 23-0131	EA 3/4", 150 Lb., Black Malleable Iron Cap.....	19.07		9.89	
	For 300 Lb. Rating, Add	10.88			
	For Standard Weight Cast Iron Fittings, Add	0.07			
	For Work In Restricted Working Space, Add	4.47			
23 21 13 23-0132	EA 1", 150 Lb., Black Malleable Iron Cap.....	21.70		11.00	
	For 300 Lb. Rating, Add	13.10			
	For Standard Weight Cast Iron Fittings, Add	0.08			
	For Work In Restricted Working Space, Add	5.00			
23 21 13 23-0133	EA 1-1/4", 150 Lb., Black Malleable Iron Cap.....	25.49		12.44	
	For 300 Lb. Rating, Add	17.04			
	For Standard Weight Cast Iron Fittings, Add	0.11			
	For Work In Restricted Working Space, Add	5.66			
23 21 13 23-0134	EA 1-1/2", 150 Lb., Black Malleable Iron Cap.....	30.38		14.00	
	For 300 Lb. Rating, Add	23.14			
	For Standard Weight Cast Iron Fittings, Add	0.15			
	For Work In Restricted Working Space, Add	6.38			
23 21 13 23-0135	EA 2", 150 Lb., Black Malleable Iron Cap.....	40.32		17.89	
	For 300 Lb. Rating, Add	33.56			
	For Standard Weight Cast Iron Fittings, Add	0.21			
	For Work In Restricted Working Space, Add	8.10			
23 21 13 23-0136	EA 2-1/2", 150 Lb., Black Malleable Iron Cap.....	70.51		26.44	
	For 300 Lb. Rating, Add	75.67			
	For Standard Weight Cast Iron Fittings, Add	0.49			
	For Work In Restricted Working Space, Add	11.99			
23 21 13 23-0137	EA 3", 150 Lb., Black Malleable Iron Cap.....	97.64		34.76	
	For 300 Lb. Rating, Add	111.23			
	For Standard Weight Cast Iron Fittings, Add	0.72			
	For Work In Restricted Working Space, Add	15.78			
23 21 13 23-0138	EA 4", 150 Lb., Black Malleable Iron Cap.....	134.61		37.94	
	For 300 Lb. Rating, Add	188.75			
	For Standard Weight Cast Iron Fittings, Add	1.24			
	For Work In Restricted Working Space, Add	17.22			
23 21 13 23-0139	EA 5", 150 Lb., Black Malleable Iron Cap.....	243.92		39.57	
	For 300 Lb. Rating, Add	445.27			
	For Standard Weight Cast Iron Fittings, Add	2.94			
	For Work In Restricted Working Space, Add	17.97			
23 21 13 23-0140	EA 6", 150 Lb., Black Malleable Iron Cap.....	399.95		41.33	
	For 300 Lb. Rating, Add	813.37			
	For Standard Weight Cast Iron Fittings, Add	5.40			
	For Work In Restricted Working Space, Add	18.78			
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21 13 23-0142	EA 3/8", 150 Lb., Black Malleable Iron Union.....	39.42		16.44	
	For Work In Restricted Working Space, Add	7.40			
23 21 13 23-0143	EA 1/2", 150 Lb., Black Malleable Iron Union.....	50.36		24.65	
	For Work In Restricted Working Space, Add	11.11			
23 21 13 23-0144	EA 3/4", 150 Lb., Black Malleable Iron Union.....	58.06		28.54	
	For Work In Restricted Working Space, Add	12.82			
23 21 13 23-0145	EA 1", 150 Lb., Black Malleable Iron Union.....	70.48		33.66	
	For Work In Restricted Working Space, Add	15.14			
23 21 13 23-0146	EA 1-1/4", 150 Lb., Black Malleable Iron Union.....	88.71		40.09	
	For Work In Restricted Working Space, Add	18.01			
23 21 13 23-0147	EA 1-1/2", 150 Lb., Black Malleable Iron Union.....	107.40		47.76	
	For Work In Restricted Working Space, Add	21.50			
23 21 13 23-0148	EA 2", 150 Lb., Black Malleable Iron Union.....	130.43		59.31	
	For Work In Restricted Working Space, Add	26.66			
23 21 13 23-0149	EA 2-1/2", 150 Lb., Black Malleable Iron Union.....	255.02		87.40	
	For Work In Restricted Working Space, Add	39.35			
23 21 13 23-0150	EA 3", 150 Lb., Black Malleable Iron Union.....	321.69		114.95	
	For Work In Restricted Working Space, Add	51.77			
23 21 13 23-0151	EA 3/8", 250 Lb., Black Malleable Iron Union.....	44.16		16.44	
	For Work In Restricted Working Space, Add	7.40			
23 21 13 23-0152	EA 1/2", 250 Lb., Black Malleable Iron Union.....	59.37		24.65	
	For Work In Restricted Working Space, Add	11.11			
23 21 13 23-0153	EA 3/4", 250 Lb., Black Malleable Iron Union.....	64.71		28.54	
	For Work In Restricted Working Space, Add	12.82			
23 21 13 23-0154	EA 1", 250 Lb., Black Malleable Iron Union.....	77.45		33.66	
	For Work In Restricted Working Space, Add	15.14			
23 21 13 23-0155	EA 1-1/4", 250 Lb., Black Malleable Iron Union.....	105.30		40.09	
	For Work In Restricted Working Space, Add	18.01			
23 21 13 23-0156	EA 1-1/2", 250 Lb., Black Malleable Iron Union.....	123.77		47.76	
	For Work In Restricted Working Space, Add	21.50			
23 21 13 23-0157	EA 2", 250 Lb., Black Malleable Iron Union.....	155.71		59.31	
	For Work In Restricted Working Space, Add	26.66			
23 21 13 23-0158	EA 2-1/2", 250 Lb., Black Malleable Iron Union.....	340.73		87.40	
	For Work In Restricted Working Space, Add	39.35			
23 21 13 23-0159	EA 3", 250 Lb., Black Malleable Iron Union.....	417.84		114.95	
	For Work In Restricted Working Space, Add	51.77			
23 21 13 23-0160	EA 4", 250 Lb., Black Malleable Iron Union.....	623.01		125.51	
	For Work In Restricted Working Space, Add	56.49			



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	56.30 7.40	16.44
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	62.60 11.11	24.65
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	71.04 12.82	28.54
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	87.45 15.14	33.66
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	120.35 18.01	40.09
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	134.83 21.50	47.76
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	167.09 26.66	59.31
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	383.42 39.35	87.40
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	498.91 51.77	114.95
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,224.04 56.49	125.51
23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)				
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.89 1.52 4.76	10.55
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.42 1.28 4.76	10.55
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.80 1.47 4.76	10.55
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.35 2.13 5.13	11.44
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.91 2.70 5.55	12.33
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.24 3.37 5.55	12.33
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.05 4.58 7.17	15.88
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.30 14.34 8.89	19.77
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.91 17.04 10.75	23.88
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.06 25.66 13.12	29.19
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.30 1.72 4.76	10.55
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.42 1.28 4.76	10.55
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.02 1.58 4.76	10.55
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.30 1.72 4.76	10.55
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.42 1.28 4.76	10.55
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.02 1.58 4.76	10.55
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.76 2.34 5.13	11.44
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.64 3.07 5.55	12.33
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.77 3.63 5.55	12.33
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.28 2.21 4.76	10.55

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	18.89	10.55
		For Schedule 80 Nipples, Add	1.52	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	19.43	10.55
		For Schedule 80 Nipples, Add	1.79	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.05	11.44
		For Schedule 80 Nipples, Add	2.48	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	25.02	12.33
		For Schedule 80 Nipples, Add	3.26	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	26.63	12.33
		For Schedule 80 Nipples, Add	4.06	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	34.41	15.88
		For Schedule 80 Nipples, Add	5.26	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	20.28	10.55
		For Schedule 80 Nipples, Add	2.21	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	18.89	10.55
		For Schedule 80 Nipples, Add	1.52	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	19.43	10.55
		For Schedule 80 Nipples, Add	1.79	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	22.05	11.44
		For Schedule 80 Nipples, Add	2.48	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	25.02	12.33
		For Schedule 80 Nipples, Add	3.26	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	26.63	12.33
		For Schedule 80 Nipples, Add	4.06	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	34.41	15.88
		For Schedule 80 Nipples, Add	5.26	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	59.05	19.77
		For Schedule 80 Nipples, Add	14.72	
		For Work In Restricted Working Space, Add	8.89	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	72.88	23.88
		For Schedule 80 Nipples, Add	18.53	
		For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.07	10.55
		For Schedule 80 Nipples, Add	2.61	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.49	10.55
		For Schedule 80 Nipples, Add	1.82	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	20.28	10.55
		For Schedule 80 Nipples, Add	2.21	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	23.22	11.44
		For Schedule 80 Nipples, Add	3.07	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.22	12.33
		For Schedule 80 Nipples, Add	3.86	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.61	12.33
		For Schedule 80 Nipples, Add	4.55	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	36.62	15.88
		For Schedule 80 Nipples, Add	6.37	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	64.23	19.77
		For Schedule 80 Nipples, Add	17.31	
		For Work In Restricted Working Space, Add	8.89	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	79.70	23.88
		For Schedule 80 Nipples, Add	21.94	
		For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	21.07	10.55
		For Schedule 80 Nipples, Add	2.61	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	19.49	10.55
		For Schedule 80 Nipples, Add	1.82	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	20.28	10.55
		For Schedule 80 Nipples, Add	2.21	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple.....	23.22	11.44
		For Schedule 80 Nipples, Add	3.07	
		For Work In Restricted Working Space, Add	5.13	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	26.22	12.33
			For Schedule 80 Nipples, Add	3.86	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	27.61	12.33
			For Schedule 80 Nipples, Add	4.55	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	36.62	15.88
			For Schedule 80 Nipples, Add	6.37	
			For Work In Restricted Working Space, Add	7.17	
23 21 13	23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	64.23	19.77
			For Schedule 80 Nipples, Add	17.31	
			For Work In Restricted Working Space, Add	8.89	
23 21 13	23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	79.70	23.88
			For Schedule 80 Nipples, Add	21.94	
			For Work In Restricted Working Space, Add	10.75	
23 21 13	23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	103.11	29.19
			For Schedule 80 Nipples, Add	29.69	
			For Work In Restricted Working Space, Add	13.12	
23 21 13	23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	23.38	10.55
			For Schedule 80 Nipples, Add	3.76	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	20.12	10.55
			For Schedule 80 Nipples, Add	2.13	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.42	10.55
			For Schedule 80 Nipples, Add	2.78	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.35	11.44
			For Schedule 80 Nipples, Add	3.63	
			For Work In Restricted Working Space, Add	5.13	
23 21 13	23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.73	12.33
			For Schedule 80 Nipples, Add	4.61	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.63	12.33
			For Schedule 80 Nipples, Add	5.56	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	38.54	15.88
			For Schedule 80 Nipples, Add	7.33	
			For Work In Restricted Working Space, Add	7.17	
23 21 13	23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	67.64	19.77
			For Schedule 80 Nipples, Add	19.01	
			For Work In Restricted Working Space, Add	8.89	
23 21 13	23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	84.21	23.88
			For Schedule 80 Nipples, Add	24.19	
			For Work In Restricted Working Space, Add	10.75	
23 21 13	23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	111.58	29.19
			For Schedule 80 Nipples, Add	33.92	
			For Work In Restricted Working Space, Add	13.12	
23 21 13	23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	23.38	10.55
			For Schedule 80 Nipples, Add	3.76	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	20.12	10.55
			For Schedule 80 Nipples, Add	2.13	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	21.42	10.55
			For Schedule 80 Nipples, Add	2.78	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	24.35	11.44
			For Schedule 80 Nipples, Add	3.63	
			For Work In Restricted Working Space, Add	5.13	
23 21 13	23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	27.73	12.33
			For Schedule 80 Nipples, Add	4.61	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	29.63	12.33
			For Schedule 80 Nipples, Add	5.56	
			For Work In Restricted Working Space, Add	5.55	
23 21 13	23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	38.54	15.88
			For Schedule 80 Nipples, Add	7.33	
			For Work In Restricted Working Space, Add	7.17	
23 21 13	23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	67.64	19.77
			For Schedule 80 Nipples, Add	19.01	
			For Work In Restricted Working Space, Add	8.89	
23 21 13	23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	84.21	23.88
			For Schedule 80 Nipples, Add	24.19	
			For Work In Restricted Working Space, Add	10.75	
23 21 13	23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	111.58	29.19
			For Schedule 80 Nipples, Add	33.92	
			For Work In Restricted Working Space, Add	13.12	
23 21 13	23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	24.23	10.55
			For Schedule 80 Nipples, Add	4.19	
			For Work In Restricted Working Space, Add	4.76	
23 21 13	23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	20.63	10.55
			For Schedule 80 Nipples, Add	2.39	
			For Work In Restricted Working Space, Add	4.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	22.18	10.55
		For Schedule 80 Nipples, Add	3.16	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	25.68	11.44
		For Schedule 80 Nipples, Add	4.30	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	29.44	12.33
		For Schedule 80 Nipples, Add	5.47	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	31.27	12.33
		For Schedule 80 Nipples, Add	6.38	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	41.07	15.88
		For Schedule 80 Nipples, Add	8.59	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	69.26	19.77
		For Schedule 80 Nipples, Add	19.82	
		For Work In Restricted Working Space, Add	8.89	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	88.41	23.88
		For Schedule 80 Nipples, Add	26.29	
		For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	116.25	29.19
		For Schedule 80 Nipples, Add	36.26	
		For Work In Restricted Working Space, Add	13.12	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	30.55	10.55
		For Schedule 80 Nipples, Add	7.35	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	24.45	10.55
		For Schedule 80 Nipples, Add	4.30	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	26.38	10.55
		For Schedule 80 Nipples, Add	5.26	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	31.14	11.44
		For Schedule 80 Nipples, Add	7.03	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	36.16	12.33
		For Schedule 80 Nipples, Add	8.83	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	38.75	12.33
		For Schedule 80 Nipples, Add	10.12	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	52.69	15.88
		For Schedule 80 Nipples, Add	14.40	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	80.06	19.77
		For Schedule 80 Nipples, Add	25.22	
		For Work In Restricted Working Space, Add	8.89	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	106.76	23.88
		For Schedule 80 Nipples, Add	35.47	
		For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	127.43	29.19
		For Schedule 80 Nipples, Add	41.85	
		For Work In Restricted Working Space, Add	13.12	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	32.35	10.55
		For Schedule 80 Nipples, Add	8.25	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	26.19	10.55
		For Schedule 80 Nipples, Add	5.17	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	28.08	10.55
		For Schedule 80 Nipples, Add	6.11	
		For Work In Restricted Working Space, Add	4.76	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	33.51	11.44
		For Schedule 80 Nipples, Add	8.21	
		For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	39.67	12.33
		For Schedule 80 Nipples, Add	10.58	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	42.20	12.33
		For Schedule 80 Nipples, Add	11.85	
		For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	57.75	15.88
		For Schedule 80 Nipples, Add	16.93	
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	86.28	19.77
		For Schedule 80 Nipples, Add	28.33	
		For Work In Restricted Working Space, Add	8.89	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	115.51	23.88
		For Schedule 80 Nipples, Add	39.84	
		For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	139.06	29.19
		For Schedule 80 Nipples, Add	47.66	
		For Work In Restricted Working Space, Add	13.12	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	34.62	10.55	
		For Schedule 80 Nipples, Add	9.38		
		For Work In Restricted Working Space, Add	4.76		
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	28.11	10.55	
		For Schedule 80 Nipples, Add	6.13		
		For Work In Restricted Working Space, Add	4.76		
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	29.44	10.55	
		For Schedule 80 Nipples, Add	6.79		
		For Work In Restricted Working Space, Add	4.76		
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	35.94	11.44	
		For Schedule 80 Nipples, Add	9.43		
		For Work In Restricted Working Space, Add	5.13		
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	42.51	12.33	
		For Schedule 80 Nipples, Add	12.00		
		For Work In Restricted Working Space, Add	5.55		
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	45.80	12.33	
		For Schedule 80 Nipples, Add	13.65		
		For Work In Restricted Working Space, Add	5.55		
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	62.86	15.88	
		For Schedule 80 Nipples, Add	19.49		
		For Work In Restricted Working Space, Add	7.17		
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	92.66	19.77	
		For Schedule 80 Nipples, Add	31.52		
		For Work In Restricted Working Space, Add	8.89		
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	124.26	23.88	
		For Schedule 80 Nipples, Add	44.22		
		For Work In Restricted Working Space, Add	10.75		
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	155.48	29.19	
		For Schedule 80 Nipples, Add	55.87		
		For Work In Restricted Working Space, Add	13.12		
23 21 13 23-0286 Black Malleable Iron Bushing (23 21 13 23-0014)					
23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	31.81	18.11	
		For Work In Restricted Working Space, Add	8.14		
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	35.89	19.44	
		For Work In Restricted Working Space, Add	8.75		
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	38.12	20.88	
		For Work In Restricted Working Space, Add	9.42		
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	40.39	20.77	
		For Work In Restricted Working Space, Add	9.33		
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.26	22.22	
		For Work In Restricted Working Space, Add	10.00		
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	42.03	23.43	
		For Work In Restricted Working Space, Add	10.53		
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	43.96	22.33	
		For Work In Restricted Working Space, Add	10.07		
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	45.71	23.88	
		For Work In Restricted Working Space, Add	10.73		
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	46.48	24.99	
		For Work In Restricted Working Space, Add	11.26		
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	48.42	26.32	
		For Work In Restricted Working Space, Add	11.84		
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	49.95	24.21	
		For Work In Restricted Working Space, Add	10.86		
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	49.77	25.66	
		For Work In Restricted Working Space, Add	11.53		
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	51.53	26.77	
		For Work In Restricted Working Space, Add	12.06		
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	52.09	28.10	
		For Work In Restricted Working Space, Add	12.64		
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	55.94	29.77	
		For Work In Restricted Working Space, Add	13.37		
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	62.00	28.43	
		For Work In Restricted Working Space, Add	12.78		
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	61.93	29.88	
		For Work In Restricted Working Space, Add	13.45		
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	61.06	31.10	
		For Work In Restricted Working Space, Add	13.98		
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	62.08	32.32	
		For Work In Restricted Working Space, Add	14.56		
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	64.53	33.99	
		For Work In Restricted Working Space, Add	15.29		
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	68.74	35.76	
		For Work In Restricted Working Space, Add	16.10		
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	85.64	40.65	
		For Work In Restricted Working Space, Add	18.30		
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	87.57	41.99	
		For Work In Restricted Working Space, Add	18.88		
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	90.01	43.54	
		For Work In Restricted Working Space, Add	19.61		
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	91.01	45.43	
		For Work In Restricted Working Space, Add	20.42		
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	97.20	49.65	
		For Work In Restricted Working Space, Add	22.33		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0313 EA 3" x 3/4", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	109.11 22.51	49.98
23 21 13 23-0314 EA 3" x 1", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	111.04 23.09	51.31
23 21 13 23-0315 EA 3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	113.48 23.82	52.98
23 21 13 23-0316 EA 3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	115.50 24.63	54.75
23 21 13 23-0317 EA 3" x 2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	119.69 26.54	58.97
23 21 13 23-0318 EA 3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	134.57 30.86	68.64
23 21 13 23-0319 EA 4" x 3/4", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	145.44 24.03	53.35
23 21 13 23-0320 EA 4" x 1", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	147.34 24.60	54.67
23 21 13 23-0321 EA 4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	149.75 25.32	56.30
23 21 13 23-0322 EA 4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	152.38 26.11	58.06
23 21 13 23-0323 EA 4" x 2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	155.16 28.00	62.21
23 21 13 23-0324 EA 4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	169.34 32.25	71.72
23 21 13 23-0325 EA 4" x 3", 150 Lb., Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	183.15 36.40	80.90
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
23 21 13 23-0327 EA 3/8", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	13.44 2.96	6.56
23 21 13 23-0328 EA 1/2", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	15.66 3.56	7.89
23 21 13 23-0329 EA 3/4", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	17.07 3.98	8.88
23 21 13 23-0330 EA 1", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	19.59 4.44	9.89
23 21 13 23-0331 EA 1-1/4", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	22.79 5.03	11.22
23 21 13 23-0332 EA 1-1/2", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	27.31 5.67	12.55
23 21 13 23-0333 EA 2", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	35.96 7.20	15.99
23 21 13 23-0334 EA 2-1/2", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	57.29 10.66	23.66
23 21 13 23-0335 EA 3", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	76.63 14.03	31.21
23 21 13 23-0336 EA 4", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	113.66 15.31	34.00
23 21 13 23-0337 EA 5", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	187.80 15.98	35.53
23 21 13 23-0338 EA 6", 150 Lb., Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	222.31 16.70	37.06
23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges (23 21 13 23-0014)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340 EA 3/4", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	134.84 19.99	44.42
23 21 13 23-0341 EA 1", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	118.68 22.59	50.20
23 21 13 23-0342 EA 1-1/4", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	129.83 23.38	51.98
23 21 13 23-0343 EA 1-1/2", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	132.75 25.44	56.53
23 21 13 23-0344 EA 2", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	136.35 26.55	58.97
23 21 13 23-0345 EA 2-1/2", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	158.34 30.71	68.30
23 21 13 23-0346 EA 3", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	202.02 38.97	86.63
23 21 13 23-0347 EA 4", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	272.13 52.48	116.66
23 21 13 23-0348 EA 5", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	345.55 62.48	138.96
23 21 13 23-0349 EA 6", 125 Lb., Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	394.51 71.75	159.52
23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges (23 21 13 23-0014)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351 EA 1/2", 150 Lb., Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	75.94 18.26	40.53



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	82.90	44.42
		For Work In Restricted Working Space, Add	19.99	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	96.41	50.20
		For Work In Restricted Working Space, Add	22.59	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	100.51	51.98
		For Work In Restricted Working Space, Add	23.38	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	109.42	56.53
		For Work In Restricted Working Space, Add	25.44	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	120.61	58.97
		For Work In Restricted Working Space, Add	26.54	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	152.73	68.30
		For Work In Restricted Working Space, Add	30.71	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	193.55	86.63
		For Work In Restricted Working Space, Add	38.96	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	283.05	116.66
		For Work In Restricted Working Space, Add	52.47	
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)				
Note: For use when connecting pipe to an existing in-place system.				
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	36.19	
		For Work In Restricted Working Space, Add	10.86	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	39.80	
		For Work In Restricted Working Space, Add	11.94	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	43.43	
		For Work In Restricted Working Space, Add	13.03	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	47.04	
		For Work In Restricted Working Space, Add	14.11	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	49.45	
		For Work In Restricted Working Space, Add	14.84	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	51.86	
		For Work In Restricted Working Space, Add	15.56	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	54.28	
		For Work In Restricted Working Space, Add	16.28	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	56.69	
		For Work In Restricted Working Space, Add	17.01	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	59.10	
		For Work In Restricted Working Space, Add	17.73	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	63.92	
		For Work In Restricted Working Space, Add	19.18	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	68.74	
		For Work In Restricted Working Space, Add	20.62	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	74.78	
		For Work In Restricted Working Space, Add	22.43	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	79.60	
		For Work In Restricted Working Space, Add	23.88	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)				
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)				
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	26.89	8.45
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	6.18	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	30.11	9.01
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	6.92	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	36.45	9.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	7.94	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	39.31	9.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	8.30	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	45.06	9.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	9.61	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	52.15	9.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	11.14	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	61.50	9.35
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	11.75	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	83.32	11.97
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	14.86	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	113.30 17.11	17.86
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	170.99 25.39	22.18
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	226.97 30.28	27.72
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	284.95 34.98	33.49
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	306.99 39.03	43.69
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	353.57 43.62	55.44
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	447.65 47.86	68.64
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	559.45 54.78	84.83
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	688.03 60.23	96.14
23 21 13 23-0393		Welded Black Steel Pipe And Fittings (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		Welded Plain End (A-53) Black Steel Piping (23 21 13 23-0393)		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.97 1.94 2.70	4.51
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.21 2.48 3.38	5.63
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.30 3.18 4.06	6.76
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.45 3.90 4.73	7.89
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.89 4.64 5.61	9.35
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.89 7.46 6.35	10.60
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.76 9.93 6.83	11.38
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.41 14.46 8.45	14.09
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.59 22.09 10.48	22.82
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	116.53 32.44 -18.54 14.30	23.84
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	154.89 44.16 -25.23 17.23	28.72
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	198.28 57.25 -32.72 20.82	34.71
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	190.70 53.94 -30.82 -55.77 21.96	36.59



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0408	LF		16" Schedule 40, Welded Plain End Black Steel Pipe	210.08	39.36
			For Schedule 80 Pipe, Add	59.75	
			For Schedule 30 Pipe, Deduct	-34.14	
			For Schedule 20 Pipe, Deduct	-61.72	
			For Work In Restricted Working Space, Add	23.62	
23 21 13 23-0409	LF		18" Schedule 40, Welded Plain End Black Steel Pipe	267.20	42.58
			For Schedule 80 Pipe, Add	78.62	
			For Schedule 30 Pipe, Deduct	-44.92	
			For Schedule 20 Pipe, Deduct	-80.75	
			For Work In Restricted Working Space, Add	25.55	
23 21 13 23-0410	LF		20" Schedule 40, Welded Plain End Black Steel Pipe	315.75	51.01
			For Schedule 80 Pipe, Add	92.66	
			For Work In Restricted Working Space, Add	30.60	
23 21 13 23-0411	LF		24" Schedule 40, Welded Plain End Black Steel Pipe	393.45	58.65
			For Schedule 80 Pipe, Add	117.18	
			For Work In Restricted Working Space, Add	35.20	
23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping (23 21 13 23-0393)					
23 21 13 23-0413	LF		1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	11.49	3.16
			For Work In Restricted Working Space, Add	1.89	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	2.86	
23 21 13 23-0414	LF		1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	11.63	3.49
			For Work In Restricted Working Space, Add	2.06	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	2.79	
23 21 13 23-0415	LF		3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	14.68	4.51
			For Work In Restricted Working Space, Add	2.70	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	3.45	
23 21 13 23-0416	LF		1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	18.00	5.63
			For Work In Restricted Working Space, Add	3.38	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	4.18	
23 21 13 23-0417	LF		1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	22.75	6.76
			For Work In Restricted Working Space, Add	4.06	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	5.44	
23 21 13 23-0418	LF		1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.57	7.89
			For Work In Restricted Working Space, Add	4.73	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	6.36	
23 21 13 23-0419	LF		2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	31.57	9.35
			For Work In Restricted Working Space, Add	5.61	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	7.56	
23 21 13 23-0420	LF		2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	41.76	10.60
			For Work In Restricted Working Space, Add	6.35	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	14.70	
23 21 13 23-0421	LF		3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	47.95	11.38
			For Work In Restricted Working Space, Add	6.83	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	17.52	
23 21 13 23-0422	LF		4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	59.59	14.09
			For Work In Restricted Working Space, Add	8.45	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	21.82	
23 21 13 23-0423	LF		6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	93.47	22.88
			For Work In Restricted Working Space, Add	10.48	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	38.02	
23 21 13 23-0424	LF		8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	135.78	23.84
			For Work In Restricted Working Space, Add	14.30	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	56.49	
23 21 13 23-0425	LF		10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	183.09	28.72
			For Work In Restricted Working Space, Add	17.23	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	78.98	
23 21 13 23-0426	LF		12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	223.25	34.71
			For Work In Restricted Working Space, Add	20.82	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	96.56	
23 21 13 23-0427	LF		14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	262.39	36.59
			For Work In Restricted Working Space, Add	21.96	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	116.93	
23 21 13 23-0428	LF		16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	303.27	39.36
			For Work In Restricted Working Space, Add	23.62	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	137.55	
23 21 13 23-0429	LF		18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	368.43	42.58
			For Work In Restricted Working Space, Add	25.55	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	171.41	
23 21 13 23-0430	LF		20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	444.02	51.01
			For Work In Restricted Working Space, Add	30.60	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	206.83	
23 21 13 23-0431	LF		24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	560.40	58.65
			For Work In Restricted Working Space, Add	35.20	
			For Schedule 80 (A-106) Carbon Steel Pipe, Add	265.72	
23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)					
23 21 13 23-0433	EA		3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	123.50	70.30
			For Schedule 80 Or Extra Heavy Fittings, Add	25.99	
			For Work In Restricted Working Space, Add	31.61	
23 21 13 23-0434	EA		1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	129.02	73.96
			For Schedule 80 Or Extra Heavy Fittings, Add	27.06	
			For Work In Restricted Working Space, Add	33.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	144.54	84.27
		For Schedule 80 Or Extra Heavy Fittings, Add	30.09	
		For Work In Restricted Working Space, Add	37.92	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	154.51	90.93
		For Schedule 80 Or Extra Heavy Fittings, Add	32.04	
		For Work In Restricted Working Space, Add	40.91	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	195.54	118.31
		For Schedule 80 Or Extra Heavy Fittings, Add	40.04	
		For Work In Restricted Working Space, Add	53.22	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	245.93	147.92
		For Schedule 80 Or Extra Heavy Fittings, Add	50.50	
		For Work In Restricted Working Space, Add	66.52	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	257.24	152.34
		For Schedule 80 Or Extra Heavy Fittings, Add	53.20	
		For Work In Restricted Working Space, Add	68.50	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	442.48	263.22
		For Schedule 80 Or Extra Heavy Fittings, Add	91.30	
		For Work In Restricted Working Space, Add	118.40	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	768.95	434.39
		For Schedule 80 Or Extra Heavy Fittings, Add	162.29	
		For Work In Restricted Working Space, Add	195.41	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,119.19	600.88
		For Schedule 80 Or Extra Heavy Fittings, Add	241.16	
		For Work In Restricted Working Space, Add	270.28	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,430.37	686.82
		For Schedule 80 Or Extra Heavy Fittings, Add	321.00	
		For Work In Restricted Working Space, Add	308.89	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,928.27	898.60
		For Schedule 80 Or Extra Heavy Fittings, Add	437.03	
		For Work In Restricted Working Space, Add	404.16	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,378.95	1,062.16
		For Schedule 80 Or Extra Heavy Fittings, Add	546.48	
		For Work In Restricted Working Space, Add	477.74	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,936.04	1,240.35
		For Schedule 80 Or Extra Heavy Fittings, Add	685.56	
		For Work In Restricted Working Space, Add	557.86	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,459.03	1,383.06
		For Schedule 80 Or Extra Heavy Fittings, Add	819.99	
		For Work In Restricted Working Space, Add	622.05	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,361.43	1,550.72
		For Schedule 80 Or Extra Heavy Fittings, Add	1,064.30	
		For Work In Restricted Working Space, Add	697.50	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,063.91	1,602.50
		For Schedule 80 Or Extra Heavy Fittings, Add	1,266.91	
		For Work In Restricted Working Space, Add	720.75	
23 21 13 23-0450		Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	592.13	263.67
		For Schedule 80 Or Extra Heavy Fittings, Add	136.12	
		For Work In Restricted Working Space, Add	118.61	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,028.75	429.43
		For Schedule 80 Or Extra Heavy Fittings, Add	241.02	
		For Work In Restricted Working Space, Add	193.17	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,094.73	429.43
		For Schedule 80 Or Extra Heavy Fittings, Add	260.81	
		For Work In Restricted Working Space, Add	193.17	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,712.76	600.88
		For Schedule 80 Or Extra Heavy Fittings, Add	419.23	
		For Work In Restricted Working Space, Add	270.28	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,870.09	600.88
		For Schedule 80 Or Extra Heavy Fittings, Add	466.43	
		For Work In Restricted Working Space, Add	270.28	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,327.28	686.82
		For Schedule 80 Or Extra Heavy Fittings, Add	590.07	
		For Work In Restricted Working Space, Add	308.89	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,327.28	686.82
		For Schedule 80 Or Extra Heavy Fittings, Add	590.07	
		For Work In Restricted Working Space, Add	308.89	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,782.11	915.68
		For Schedule 80 Or Extra Heavy Fittings, Add	990.48	
		For Work In Restricted Working Space, Add	411.86	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,782.11	915.68
		For Schedule 80 Or Extra Heavy Fittings, Add	990.48	
		For Work In Restricted Working Space, Add	411.86	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,210.06	915.68
		For Schedule 80 Or Extra Heavy Fittings, Add	1,118.87	
		For Work In Restricted Working Space, Add	411.86	
23 21 13 23-0461		Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	110.19	63.89
		For Schedule 80 Or Extra Heavy Fittings, Add	23.00	
		For Work In Restricted Working Space, Add	28.73	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	113.57 23.66 29.75	66.15
23 21 13	23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	128.22 26.52 34.14	75.95
23 21 13	23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	137.23 28.27 36.85	81.92
23 21 13	23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	173.29 35.30 47.66	105.92
23 21 13	23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	216.23 43.93 59.84	133.08
23 21 13	23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	249.41 50.85 68.49	152.23
23 21 13	23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	429.47 87.41 118.37	263.11
23 21 13	23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	736.45 152.62 195.18	433.94
23 21 13	23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,060.30 223.49 270.28	600.88
23 21 13	23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,322.24 288.56 308.89	686.82
23 21 13	23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,768.95 389.49 403.40	896.94
23 21 13	23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,168.82 483.22 478.37	1,063.61
23 21 13	23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,643.63 598.04 557.28	1,239.02
23 21 13	23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,082.76 707.36 621.34	1,381.40
23 21 13	23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,811.90 899.45 697.50	1,550.72
23 21 13	23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,345.72 1,051.45 720.75	1,602.50
23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)					
23 21 13	23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	223.80 48.21 54.09	120.23
23 21 13	23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	223.75 48.20 54.07	120.23
23 21 13	23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	252.94 54.83 60.15	133.76
23 21 13	23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	277.81 59.68 67.61	150.32
23 21 13	23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	347.27 72.59 90.26	200.69
23 21 13	23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	395.68 83.21 101.42	225.48
23 21 13	23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	473.95 99.12 123.05	273.82
23 21 13	23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	681.81 142.27 177.92	395.63
23 21 13	23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,141.37 239.53 293.96	653.56
23 21 13	23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,671.93 357.43 411.86	915.68
23 21 13	23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,103.11 462.76 480.50	1,068.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,821.94 630.36 617.78	1,373.53
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,628.69 836.34 720.75	1,602.50
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,365.38 1,006.90 864.90	1,922.96
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,624.77 1,351.08 961.00	2,136.64
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	7,342.13 1,824.25 1,081.12	2,403.76
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,440.80 2,124.74 1,164.29	2,588.66
23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)				
23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	218.17 47.11 52.40	116.51
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	223.75 48.20 54.07	120.23
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	250.16 54.00 60.15	133.76
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	275.03 58.85 67.61	150.32
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	353.53 74.46 90.29	200.69
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	395.81 83.23 101.45	225.59
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	474.24 99.21 123.05	273.82
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	682.22 142.39 177.92	395.63
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,142.08 239.74 293.96	653.56
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,673.28 357.83 411.86	915.68
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,105.40 463.45 480.50	1,068.26
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,825.40 631.40 617.78	1,373.53
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,634.27 838.02 720.75	1,602.50
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,372.13 1,008.93 864.90	1,922.96
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,635.80 1,354.39 961.00	2,136.64
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	7,449.29 1,856.39 1,081.12	2,403.76
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,919.45 2,268.33 1,164.29	2,588.66
23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)				
23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	136.46 29.40 32.96	73.28
23 21 13 23-0517	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	147.15 31.49 36.17	80.41
23 21 13 23-0518	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	144.35 30.94 35.33	78.54



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0519	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	160.10 34.01 40.05	89.06
23 21 13	23-0520	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	152.21 32.47 37.68	83.79
23 21 13	23-0521	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	149.41 31.93 36.84	81.92
23 21 13	23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	175.53 35.92 47.83	106.32
23 21 13	23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	180.45 37.93 46.31	102.95
23 21 13	23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	172.56 36.39 43.94	97.70
23 21 13	23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	221.49 45.15 60.84	135.26
23 21 13	23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	203.86 42.05 54.59	121.36
23 21 13	23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	216.51 46.38 53.06	117.98
23 21 13	23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	248.11 50.53 68.30	151.78
23 21 13	23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	249.56 50.96 68.30	151.78
23 21 13	23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	252.62 51.88 68.30	151.78
23 21 13	23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	422.12 85.12 118.61	263.67
23 21 13	23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	423.57 85.56 118.61	263.67
23 21 13	23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	427.92 86.86 118.61	263.67
23 21 13	23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	699.00 142.09 193.17	429.43
23 21 13	23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	730.25 151.46 193.17	429.43
23 21 13	23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,050.10 212.14 293.96	653.56
23 21 13	23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,108.25 229.59 293.96	653.56
23 21 13	23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,218.81 247.33 338.05	751.59
23 21 13	23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,288.73 268.30 338.05	751.59
23 21 13	23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,380.71 295.90 -81.24 338.05	751.59
23 21 13	23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,513.77 310.26 411.07	913.91
23 21 13	23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,595.44 334.76 411.07	913.91
23 21 13	23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,733.51 376.18 -116.24 411.08	913.91
23 21 13	23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,511.46 309.56 -45.19 411.08	913.91
23 21 13	23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,853.60 387.91 480.50	1,068.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0546	EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,896.61 400.81 480.50	1,068.26
23 21 13	23-0547	EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,325.42 529.45 480.50	1,068.26
23 21 13	23-0548	EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,187.19 466.96 540.56	1,201.88
23 21 13	23-0549	EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,313.81 504.95 540.56	1,201.88
23 21 13	23-0550	EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,363.10 519.73 -179.59 540.56	1,201.88
23 21 13	23-0551	EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,918.38 686.32 540.56	1,201.88
23 21 13	23-0552	EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,194.69 769.21 540.56	1,201.88
23 21 13	23-0553	EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,753.41 609.80 617.78	1,373.53
23 21 13	23-0554	EA 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,183.75 438.90 -39.83 617.78	1,373.53
23 21 13	23-0555	EA 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,819.94 629.76 -243.41 617.78	1,373.53
23 21 13	23-0556	EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,918.04 659.19 617.78	1,373.53
23 21 13	23-0557	EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,747.40 908.00 617.78	1,373.53
23 21 13	23-0558	EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	3,196.81 714.92 -278.98 697.50	1,550.72
23 21 13	23-0559	EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	3,194.56 714.24 -278.26 697.50	1,550.72
23 21 13	23-0560	EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,291.74 1,043.40 -629.36 697.50	1,550.72
23 21 13	23-0561	EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,731.82 1,175.42 697.50	1,550.72
23 21 13	23-0562	EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,391.97 1,373.47 697.50	1,550.72
23 21 13	23-0563	EA 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	3,545.59 811.41 -365.79 720.75	1,602.50
23 21 13	23-0564	EA 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	3,678.60 851.32 -408.35 720.75	1,602.50
23 21 13	23-0565	EA 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,296.58 1,036.71 -606.11 720.75	1,602.50
23 21 13	23-0566	EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,446.59 1,381.71 720.75	1,602.50
23 21 13	23-0567	EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	6,308.90 1,640.41 720.75	1,602.50
23 21 13	23-0568	Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)		
23 21 13	23-0569	EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	129.49 27.31 32.96	73.28
23 21 13	23-0570	EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	140.18 29.40 36.17	80.41



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0571	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	137.38 28.85 35.33	78.54
23 21 13 23-0572	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	153.13 31.92 40.05	89.06
23 21 13 23-0573	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	145.24 30.38 37.68	83.79
23 21 13 23-0574	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	142.44 29.84 36.84	81.92
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	171.98 34.85 47.83	106.32
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	166.92 33.87 46.31	102.95
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	163.87 33.78 43.94	97.70
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	218.91 44.38 60.84	135.26
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	202.41 41.62 54.59	121.36
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	204.26 42.71 53.06	117.98
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	240.70 48.31 68.30	151.78
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	241.67 48.60 68.30	151.78
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	243.76 49.22 68.30	151.78
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	412.13 82.12 118.61	263.67
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	415.84 83.24 118.61	263.67
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	415.84 83.24 118.61	263.67
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	679.03 136.10 193.17	429.43
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	686.44 138.32 193.17	429.43
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,025.93 204.89 293.96	653.56
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,039.14 208.86 293.96	653.56
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,216.24 246.55 338.05	751.59
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,210.76 244.91 338.05	751.59
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,279.71 265.60 338.05	751.59
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,480.75 300.35 411.07	913.91
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,497.30 305.31 411.07	913.91
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,503.30 307.11 411.07	913.91
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,679.05 359.84 411.07	913.91
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,767.90 362.20 480.50	1,068.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,829.28 380.61 480.50	1,068.26
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,882.60 396.61 480.50	1,068.26
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,088.67 458.43 480.50	1,068.26
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,092.79 438.64 540.56	1,201.88
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,092.79 438.64 540.56	1,201.88
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,123.40 447.82 540.56	1,201.88
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,225.05 478.32 540.56	1,201.88
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,646.01 604.61 540.56	1,201.88
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,377.11 496.91 617.78	1,373.53
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,455.56 520.44 617.78	1,373.53
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,488.42 530.30 617.78	1,373.53
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,577.82 557.12 617.78	1,373.53
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,605.22 865.34 617.78	1,373.53
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,870.44 617.01 697.50	1,550.72
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,870.44 617.01 697.50	1,550.72
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,892.83 623.73 697.50	1,550.72
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,025.41 663.50 697.50	1,550.72
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,256.08 732.70 697.50	1,550.72
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,019.47 653.58 720.75	1,602.50
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,033.48 657.78 720.75	1,602.50
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,060.87 666.00 720.75	1,602.50
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,694.92 856.21 720.75	1,602.50
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,820.08 893.76 720.75	1,602.50
23 21 13 23-0622 Welded Plain End Black Steel Caps (23 21 13 23-0393)				
23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.56 12.63 16.90	37.63
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.78 13.79 18.59	41.35
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.60 14.35 19.27	42.82
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.16 17.66 24.68	54.88



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0627	EA	2-1/2"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.57 20.78 29.75	66.15
23 21 13 23-0628	EA	3"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.38 24.51 34.32	76.28
23 21 13 23-0629	EA	4"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.63 40.58 59.31	131.84
23 21 13 23-0630	EA	6"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.47 68.51 97.98	217.82
23 21 13 23-0631	EA	8"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	514.60 97.16 137.33	305.37
23 21 13 23-0632	EA	10"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	677.56 131.04 173.36	385.49
23 21 13 23-0633	EA	12"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	795.12 154.73 201.14	447.20
23 21 13 23-0634	EA	14"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,035.15 210.44 240.25	534.14
23 21 13 23-0635	EA	16"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,202.18 244.40 279.00	620.29
23 21 13 23-0636	EA	18"	Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,342.68 274.10 308.89	686.82
23 21 13 23-0637			150 Lb., Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0638	EA	2"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.19 40.54 38.21	84.96
23 21 13 23-0639	EA	2-1/2"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.76 43.86 47.69	106.04
23 21 13 23-0640	EA	3"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.60 46.28 54.53	121.25
23 21 13 23-0641	EA	4"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.25 59.82 71.93	159.89
23 21 13 23-0642	EA	6"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.65 91.48 109.05	242.49
23 21 13 23-0643	EA	8"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	508.86 124.40 116.88	259.92
23 21 13 23-0644	EA	10"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	662.91 173.30 146.59	325.89
23 21 13 23-0645	EA	12"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	808.54 236.09 166.33	369.80
23 21 13 23-0646	EA	14"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,056.22 340.42 201.14	447.20
23 21 13 23-0647	EA	16"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,381.88 503.70 233.76	519.72
23 21 13 23-0648	EA	18"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,710.34 677.42 262.09	582.70
23 21 13 23-0649	EA	20"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,168.56 858.23 332.65	739.60
23 21 13 23-0650	EA	24"	150 Lb., Welded Plain End Black Steel Neck Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,459.64 1,007.00 360.38	801.25
23 21 13 23-0651			150 Lb., Welded Black Steel Slip-On Flanges (23 21 13 23-0393) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0652	EA	2"	150 Lb., Welded Black Steel Slip-On Flanges..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.76 26.26 30.43	84.96
23 21 13 23-0653	EA	2-1/2"	150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.21 33.05 37.19	106.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.69 38.96 43.95	121.25
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.31 52.29 57.47	159.89
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.73 79.10 84.51	242.49
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	438.53 112.59 106.45	259.92
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.04 176.62 133.06	325.89
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	760.23 261.07 159.68	369.80
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	954.05 364.98 186.29	447.20
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,135.97 475.82 206.25	519.72
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,256.87 531.74 226.21	582.70
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,392.12 600.57 246.17	739.60
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange..... <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,595.81 678.12 286.08	801.25
23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges (23 21 13 23-0393)				
23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.23 23.85 61.61 18.10	30.17
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.90 36.01 96.08 21.72	36.20
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.27 39.53 102.66 28.96	48.27
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.29 53.17 139.61 36.20	60.33
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.59 77.85 207.68 47.06	78.43
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.70 116.37 319.25 54.30	90.50
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.86 212.94 602.99 65.16	108.59
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	589.78 295.72 845.34 76.02	126.69
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	982.19 584.49 86.87	144.80
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,055.83 618.25 97.73	162.89
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,191.11 676.15 119.45	199.09
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,520.04 914.14 130.31	217.19
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,061.07 1,296.65 152.03	253.39

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21 13 23-0680 EA 1/2", 3,000 Lb., Forge Steel Thread-O-Let.....	77.90	
For Work In Restricted Working Space, Add	21.30	
23 21 13 23-0681 EA 3/4", 3,000 Lb., Forge Steel Thread-O-Let.....	82.48	
For Work In Restricted Working Space, Add	22.31	
23 21 13 23-0682 EA 1", 3,000 Lb., Forge Steel Thread-O-Let.....	87.98	
For Work In Restricted Working Space, Add	23.66	
23 21 13 23-0683 EA 1-1/4", 3,000 Lb., Forge Steel Thread-O-Let.....	97.41	
For Work In Restricted Working Space, Add	25.35	
23 21 13 23-0684 EA 1-1/2", 3,000 Lb., Forge Steel Thread-O-Let.....	109.33	
For Work In Restricted Working Space, Add	28.73	
23 21 13 23-0685 EA 2", 3,000 Lb., Forge Steel Thread-O-Let.....	141.34	
For Work In Restricted Working Space, Add	37.56	
23 21 13 23-0686 EA 2-1/2", 3,000 Lb., Forge Steel Thread-O-Let.....	219.53	
For Work In Restricted Working Space, Add	48.29	
23 21 13 23-0687 EA 3", 3,000 Lb., Forge Steel Thread-O-Let.....	302.82	
For Work In Restricted Working Space, Add	67.61	
23 21 13 23-0688 EA 4", 3,000 Lb., Forge Steel Thread-O-Let.....	402.75	
For Work In Restricted Working Space, Add	84.51	
23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets (23 21 13 23-0393)		
23 21 13 23-0690 EA 1/2", 3,000 Lb., Forge Steel Weld-O-Let.....	88.93	
For Work In Restricted Working Space, Add	24.58	
23 21 13 23-0691 EA 3/4", 3,000 Lb., Forge Steel Weld-O-Let.....	94.10	
For Work In Restricted Working Space, Add	25.76	
23 21 13 23-0692 EA 1", 3,000 Lb., Forge Steel Weld-O-Let.....	99.37	
For Work In Restricted Working Space, Add	27.05	
23 21 13 23-0693 EA 1-1/4", 3,000 Lb., Forge Steel Weld-O-Let.....	113.25	
For Work In Restricted Working Space, Add	30.05	
23 21 13 23-0694 EA 1-1/2", 3,000 Lb., Forge Steel Weld-O-Let.....	126.41	
For Work In Restricted Working Space, Add	33.80	
23 21 13 23-0695 EA 2", 3,000 Lb., Forge Steel Weld-O-Let.....	168.74	
For Work In Restricted Working Space, Add	45.06	
23 21 13 23-0696 EA 2-1/2", 3,000 Lb., Forge Steel Weld-O-Let.....	239.65	
For Work In Restricted Working Space, Add	54.09	
23 21 13 23-0697 EA 3", 3,000 Lb., Forge Steel Weld-O-Let.....	315.17	
For Work In Restricted Working Space, Add	70.99	
23 21 13 23-0698 EA 4", 3,000 Lb., Forge Steel Weld-O-Let.....	423.26	
For Work In Restricted Working Space, Add	90.16	
23 21 13 23-0699 EA 6", 3,000 Lb., Forge Steel Weld-O-Let.....	613.53	
For Work In Restricted Working Space, Add	135.22	
23 21 13 23-0700 EA 8", 3,000 Lb., Forge Steel Weld-O-Let.....	908.95	
For Work In Restricted Working Space, Add	180.28	
23 21 13 23-0701 EA 10", 3,000 Lb., Forge Steel Weld-O-Let.....	1,131.39	
For Work In Restricted Working Space, Add	208.04	
23 21 13 23-0702 EA 12", 3,000 Lb., Forge Steel Weld-O-Let.....	1,651.36	
For Work In Restricted Working Space, Add	245.86	
23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets (23 21 13 23-0393)		
23 21 13 23-0704 EA 1/2", 3,000 Lb., Forge Steel Sock-O-Let.....	105.25	
For Work In Restricted Working Space, Add	29.38	
23 21 13 23-0705 EA 3/4", 3,000 Lb., Forge Steel Sock-O-Let.....	111.27	
For Work In Restricted Working Space, Add	30.80	
23 21 13 23-0706 EA 1", 3,000 Lb., Forge Steel Sock-O-Let.....	118.50	
For Work In Restricted Working Space, Add	32.66	
23 21 13 23-0707 EA 1-1/4", 3,000 Lb., Forge Steel Sock-O-Let.....	130.30	
For Work In Restricted Working Space, Add	34.99	
23 21 13 23-0708 EA 1-1/2", 3,000 Lb., Forge Steel Sock-O-Let.....	146.54	
For Work In Restricted Working Space, Add	39.65	
23 21 13 23-0709 EA 2", 3,000 Lb., Forge Steel Sock-O-Let.....	190.69	
For Work In Restricted Working Space, Add	51.83	
23 21 13 23-0710 EA 2-1/2", 3,000 Lb., Forge Steel Sock-O-Let.....	284.19	
For Work In Restricted Working Space, Add	66.63	
23 21 13 23-0711 EA 3", 3,000 Lb., Forge Steel Sock-O-Let.....	393.15	
For Work In Restricted Working Space, Add	93.30	
23 21 13 23-0712 EA 4", 3,000 Lb., Forge Steel Sock-O-Let.....	517.14	
For Work In Restricted Working Space, Add	116.63	
23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0714 EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	16.53	
Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	4.63	
For Hot Dip Galvanized, Add	6.61	
For Advanced Fluoropolymer (Blue Coating), Add	11.57	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.97	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.87	
		For Hot Dip Galvanized, Add	8.39	
		For Advanced Fluoropolymer (Blue Coating), Add	14.68	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	21.20	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.94	
		For Hot Dip Galvanized, Add	8.48	
		For Advanced Fluoropolymer (Blue Coating), Add	14.84	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	21.31	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.97	
		For Hot Dip Galvanized, Add	8.52	
		For Advanced Fluoropolymer (Blue Coating), Add	14.92	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	50.27	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	14.08	
		For Hot Dip Galvanized, Add	20.11	
		For Advanced Fluoropolymer (Blue Coating), Add	35.19	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	67.91	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	19.01	
		For Hot Dip Galvanized, Add	27.16	
		For Advanced Fluoropolymer (Blue Coating), Add	47.54	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	77.69	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	21.75	
		For Hot Dip Galvanized, Add	31.08	
		For Advanced Fluoropolymer (Blue Coating), Add	54.38	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	86.21	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	24.14	
		For Hot Dip Galvanized, Add	34.48	
		For Advanced Fluoropolymer (Blue Coating), Add	60.35	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	186.69	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	52.27	
		For Hot Dip Galvanized, Add	74.68	
		For Advanced Fluoropolymer (Blue Coating), Add	130.68	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	192.87	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	54.00	
		For Hot Dip Galvanized, Add	77.15	
		For Advanced Fluoropolymer (Blue Coating), Add	135.01	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	216.62	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	60.65	
		For Hot Dip Galvanized, Add	86.65	
		For Advanced Fluoropolymer (Blue Coating), Add	151.63	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	354.20	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	99.18	
		For Hot Dip Galvanized, Add	141.68	
		For Advanced Fluoropolymer (Blue Coating), Add	247.94	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	505.54	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	141.55	
		For Hot Dip Galvanized, Add	202.22	
		For Advanced Fluoropolymer (Blue Coating), Add	353.88	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	639.25	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	178.99	
		For Hot Dip Galvanized, Add	255.70	
		For Advanced Fluoropolymer (Blue Coating), Add	447.48	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	906.19	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	253.73	
		For Hot Dip Galvanized, Add	362.48	
		For Advanced Fluoropolymer (Blue Coating), Add	634.33	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,428.72	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	400.04	
		For Hot Dip Galvanized, Add	571.49	
		For Advanced Fluoropolymer (Blue Coating), Add	1,000.10	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,969.32	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	551.41	
		For Hot Dip Galvanized, Add	787.73	
		For Advanced Fluoropolymer (Blue Coating), Add	1,378.52	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	26.60	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	7.45	
		For Hot Dip Galvanized, Add	10.64	
		For Advanced Fluoropolymer (Blue Coating), Add	18.62	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	48.65	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	13.62	
		For Hot Dip Galvanized, Add	19.46	
		For Advanced Fluoropolymer (Blue Coating), Add	34.06	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	75.61	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	21.17	
		For Hot Dip Galvanized, Add	30.24	
		For Advanced Fluoropolymer (Blue Coating), Add	52.93	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	82.15	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	23.00	
		For Hot Dip Galvanized, Add	32.86	
		For Advanced Fluoropolymer (Blue Coating), Add	57.51	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	92.17	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	25.81	
		For Hot Dip Galvanized, Add	36.87	
		For Advanced Fluoropolymer (Blue Coating), Add	64.52	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	106.00	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	29.68	
		For Hot Dip Galvanized, Add	42.40	
		For Advanced Fluoropolymer (Blue Coating), Add	74.20	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	145.48	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	40.73	
		For Hot Dip Galvanized, Add	58.19	
		For Advanced Fluoropolymer (Blue Coating), Add	101.84	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	223.52	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	62.59	
		For Hot Dip Galvanized, Add	89.41	
		For Advanced Fluoropolymer (Blue Coating), Add	156.46	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	396.10	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	110.91	
		For Hot Dip Galvanized, Add	158.44	
		For Advanced Fluoropolymer (Blue Coating), Add	277.27	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	564.62	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	158.09	
		For Hot Dip Galvanized, Add	225.85	
		For Advanced Fluoropolymer (Blue Coating), Add	395.23	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	768.19	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	215.09	
		For Hot Dip Galvanized, Add	307.28	
		For Advanced Fluoropolymer (Blue Coating), Add	537.73	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,051.93	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	294.54	
		For Hot Dip Galvanized, Add	420.77	
		For Advanced Fluoropolymer (Blue Coating), Add	736.35	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,355.97	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	379.67	
		For Hot Dip Galvanized, Add	542.39	
		For Advanced Fluoropolymer (Blue Coating), Add	949.18	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,443.72	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	404.24	
		For Hot Dip Galvanized, Add	577.49	
		For Advanced Fluoropolymer (Blue Coating), Add	1,010.60	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,840.31	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	515.29	
		For Hot Dip Galvanized, Add	736.12	
		For Advanced Fluoropolymer (Blue Coating), Add	1,288.22	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,912.40	
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	815.47	
		For Hot Dip Galvanized, Add	1,164.96	
		For Advanced Fluoropolymer (Blue Coating), Add	2,038.68	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	4,124.47	
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	1,154.85	
		For Hot Dip Galvanized, Add	1,649.79	
		For Advanced Fluoropolymer (Blue Coating), Add	2,887.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0749			Class 150 Flange, Stainless Steel Bolt And Gasket Sets (23 21 13 23-0393)		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	16.53		
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.			
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	57.44		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	57.54		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	57.65		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	124.45		
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	154.51		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	178.58		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	181.06		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	460.88		
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.			
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	465.55		
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.			
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	700.22		
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.			
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	931.62		
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.			
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	2,395.64		
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.			
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	2,778.17		
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.			
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	3,209.47		
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.			
23 21 13 23-0765			150 Lb., Rubber Flange Gasket Replacement (23 21 13 23-0393)		
			Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.		
23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement.....	33.88		
		For 300 Lb. Rating Gasket Set, Add	0.19		
		For Work In Restricted Working Space, Add	10.00		
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement.....	36.29		
		For 300 Lb. Rating Gasket Set, Add	0.26		
		For Work In Restricted Working Space, Add	10.67		
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement.....	40.16		
		For 300 Lb. Rating Gasket Set, Add	0.44		
		For Work In Restricted Working Space, Add	11.67		
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	43.68		
		For 300 Lb. Rating Gasket Set, Add	0.51		
		For Work In Restricted Working Space, Add	12.67		
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	48.49		
		For 300 Lb. Rating Gasket Set, Add	0.64		
		For Work In Restricted Working Space, Add	14.00		
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement.....	53.66		
		For 300 Lb. Rating Gasket Set, Add	0.89		
		For Work In Restricted Working Space, Add	15.34		
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	63.45		
		For 300 Lb. Rating Gasket Set, Add	1.21		
		For Work In Restricted Working Space, Add	18.00		
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement.....	67.34		
		For 300 Lb. Rating Gasket Set, Add	1.40		
		For Work In Restricted Working Space, Add	19.00		
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement.....	89.88		
		For 300 Lb. Rating Gasket Set, Add	2.29		
		For Work In Restricted Working Space, Add	25.00		
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement.....	103.95		
		For 300 Lb. Rating Gasket Set, Add	2.54		
		For Work In Restricted Working Space, Add	29.00		
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement.....	119.46		
		For 300 Lb. Rating Gasket Set, Add	3.31		
		For Work In Restricted Working Space, Add	33.00		
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement.....	147.17		
		For 300 Lb. Rating Gasket Set, Add	4.84		
		For Work In Restricted Working Space, Add	40.01		
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement.....	161.87		
		For 300 Lb. Rating Gasket Set, Add	6.87		
		For Work In Restricted Working Space, Add	42.67		
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement.....	186.23		
		For 300 Lb. Rating Gasket Set, Add	8.78		
		For Work In Restricted Working Space, Add	48.34		
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement.....	196.68		
		For 300 Lb. Rating Gasket Set, Add	10.50		
		For Work In Restricted Working Space, Add	50.01		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0781 EA 16", 150 Lb., Rubber Flange Gasket Replacement	255.70	
For 300 Lb. Rating Gasket Set, Add	11.71	
For Work In Restricted Working Space, Add	66.68	
23 21 13 23-0782 EA 18", 150 Lb., Rubber Flange Gasket Replacement	278.25	
For 300 Lb. Rating Gasket Set, Add	12.22	
For Work In Restricted Working Space, Add	73.01	
23 21 13 23-0783 EA 20", 150 Lb., Rubber Flange Gasket Replacement	334.13	
For 300 Lb. Rating Gasket Set, Add	13.11	
For Work In Restricted Working Space, Add	89.00	
23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0785 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.12	
For Work In Restricted Working Space, Add	7.24	
23 21 13 23-0786 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.05	
For Work In Restricted Working Space, Add	7.82	
23 21 13 23-0787 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.31	
For Work In Restricted Working Space, Add	8.79	
23 21 13 23-0788 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.75	
For Work In Restricted Working Space, Add	9.23	
23 21 13 23-0789 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.56	
For Work In Restricted Working Space, Add	9.77	
23 21 13 23-0790 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.97	
For Work In Restricted Working Space, Add	10.49	
23 21 13 23-0791 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.40	
For Work In Restricted Working Space, Add	11.22	
23 21 13 23-0792 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.01	
For Work In Restricted Working Space, Add	12.30	
23 21 13 23-0793 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.62	
For Work In Restricted Working Space, Add	13.39	
23 21 13 23-0794 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	48.25	
For Work In Restricted Working Space, Add	14.48	
23 21 13 23-0795 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.86	
For Work In Restricted Working Space, Add	15.56	
23 21 13 23-0796 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	56.69	
For Work In Restricted Working Space, Add	17.01	
23 21 13 23-0797 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	61.51	
For Work In Restricted Working Space, Add	18.45	
23 21 13 23-0798 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	66.34	
For Work In Restricted Working Space, Add	19.90	
23 21 13 23-0799 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	71.16	
For Work In Restricted Working Space, Add	21.35	
23 21 13 23-0800 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	74.78	
For Work In Restricted Working Space, Add	22.43	
23 21 13 23-0801 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	78.39	
For Work In Restricted Working Space, Add	23.52	
23 21 13 23-0802 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	83.23	
For Work In Restricted Working Space, Add	24.97	
23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)		
Note: ASTM A-135.		
23 21 13 23-0804 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	26.52	12.39
For Work In Restricted Working Space, Add	6.08	
23 21 13 23-0805 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	29.86	13.52
For Work In Restricted Working Space, Add	6.08	
23 21 13 23-0806 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	31.69	13.29
For Work In Restricted Working Space, Add	5.96	
23 21 13 23-0807 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	39.59	16.90
For Work In Restricted Working Space, Add	7.60	
23 21 13 23-0808 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	65.12	25.01
For Work In Restricted Working Space, Add	11.25	
23 21 13 23-0809 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	84.45	30.27
For Work In Restricted Working Space, Add	13.64	
23 21 13 23-0810 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	114.48	37.70
For Work In Restricted Working Space, Add	16.97	
23 21 13 23-0811 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	139.00	45.46
For Work In Restricted Working Space, Add	20.45	
23 21 13 23-0812 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	177.37	59.00
For Work In Restricted Working Space, Add	26.54	
23 21 13 23-0813 150 Lb., Spiral Wound Metal Flange Gasket Replacement (23 21 13 23-0393)		
Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0814 EA 1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	38.64	
For 300 Lb., Add	0.40	
For Work In Restricted Working Space, Add	10.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0815	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	40.94	
		For 300 Lb., Add	0.40	
		For Work In Restricted Working Space, Add	10.67	
23 21 13 23-0816	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	44.32	
		For 300 Lb., Add	0.41	
		For Work In Restricted Working Space, Add	11.67	
23 21 13 23-0817	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	48.48	
		For 300 Lb., Add	0.47	
		For Work In Restricted Working Space, Add	12.67	
23 21 13 23-0818	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	53.06	
		For 300 Lb., Add	0.48	
		For Work In Restricted Working Space, Add	14.00	
23 21 13 23-0819	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	57.80	
		For 300 Lb., Add	0.50	
		For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0820	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	67.27	
		For 300 Lb., Add	0.55	
		For Work In Restricted Working Space, Add	18.00	
23 21 13 23-0821	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	71.19	
		For 300 Lb., Add	0.59	
		For Work In Restricted Working Space, Add	19.00	
23 21 13 23-0822	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	93.37	
		For 300 Lb., Add	0.75	
		For Work In Restricted Working Space, Add	25.00	
23 21 13 23-0823	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	109.06	
		For 300 Lb., Add	0.93	
		For Work In Restricted Working Space, Add	29.00	
23 21 13 23-0824	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	123.78	
		For 300 Lb., Add	1.03	
		For Work In Restricted Working Space, Add	33.01	
23 21 13 23-0825	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	149.79	
		For 300 Lb., Add	1.23	
		For Work In Restricted Working Space, Add	40.01	
23 21 13 23-0826	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	164.89	
		For 300 Lb., Add	1.70	
		For Work In Restricted Working Space, Add	42.67	
23 21 13 23-0827	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	195.26	
		For 300 Lb., Add	2.56	
		For Work In Restricted Working Space, Add	48.34	
23 21 13 23-0828		150 Lb., Flexible Graphite Flange Gasket Replacement (23 21 13 23-0393) Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0829	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	34.40	
		For Work In Restricted Working Space, Add	10.00	
23 21 13 23-0830	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	37.32	
		For Work In Restricted Working Space, Add	10.67	
23 21 13 23-0831	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	40.91	
		For Work In Restricted Working Space, Add	11.67	
23 21 13 23-0832	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	45.10	
		For Work In Restricted Working Space, Add	12.67	
23 21 13 23-0833	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	49.73	
		For Work In Restricted Working Space, Add	14.00	
23 21 13 23-0834	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	55.14	
		For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0835	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	65.43	
		For Work In Restricted Working Space, Add	18.00	
23 21 13 23-0836	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	69.06	
		For Work In Restricted Working Space, Add	19.00	
23 21 13 23-0837	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	92.60	
		For Work In Restricted Working Space, Add	25.00	
23 21 13 23-0838	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	107.70	
		For Work In Restricted Working Space, Add	29.00	
23 21 13 23-0839	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	122.31	
		For Work In Restricted Working Space, Add	33.01	
23 21 13 23-0840	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	154.05	
		For Work In Restricted Working Space, Add	40.01	
23 21 13 23-0841	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	172.26	
		For Work In Restricted Working Space, Add	42.67	
23 21 13 23-0842	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	198.26	
		For Work In Restricted Working Space, Add	48.34	
23 21 13 23-0843		150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement (23 21 13 23-0393) Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0844	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	54.80	
		For Work In Restricted Working Space, Add	10.00	
23 21 13 23-0845	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	58.48	
		For Work In Restricted Working Space, Add	10.67	
23 21 13 23-0846	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	63.30	
		For Work In Restricted Working Space, Add	11.67	
23 21 13 23-0847	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	71.79	
		For Work In Restricted Working Space, Add	12.67	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0848 EA 1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	77.22 14.00	
23 21 13 23-0849 EA 2", Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	84.21 15.34	
23 21 13 23-0850 EA 2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	97.83 18.00	
23 21 13 23-0851 EA 3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	111.34 19.00	
23 21 13 23-0852 EA 4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	140.49 25.00	
23 21 13 23-0853 EA 5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	167.86 29.00	
23 21 13 23-0854 EA 6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	220.35 33.01	
23 21 13 23-0855 EA 8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	242.34 40.01	
23 21 13 23-0856 EA 10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	276.29 42.67	
23 21 13 23-0857 EA 12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement..... <i>For Work In Restricted Working Space, Add</i>	363.59 48.34	
23 21 13 23-0858 Flanged Steel Fittings (23 21 13 23) See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.		
23 21 13 23-0859 Flanged Steel Fittings, Standard Weight (23 21 13 23-0858) Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0860 Flanged Steel, 90 Degree Elbows (23 21 13 23-0859)		
23 21 13 23-0861 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	321.98 195.38 293.08	51.86
23 21 13 23-0862 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	359.09 217.97 326.95	57.76
23 21 13 23-0863 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	360.61 212.08 318.12	63.75
23 21 13 23-0864 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	453.48 273.94 410.90	74.08
23 21 13 23-0865 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	621.45 397.65 596.47	82.96
23 21 13 23-0866 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	662.30 414.34 621.50	96.30
23 21 13 23-0867 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	830.89 536.77 805.15	106.62
23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0859)		
23 21 13 23-0869 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	575.57 394.70 592.06	54.87
23 21 13 23-0870 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	601.63 408.45 612.67	60.76
23 21 13 23-0871 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	745.17 513.50 770.26	68.86
23 21 13 23-0872 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	915.06 644.09 966.13	73.31
23 21 13 23-0873 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,043.30 732.46 1,098.68	85.19
23 21 13 23-0874 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,444.51 1,033.88 1,550.82	101.51
23 21 13 23-0875 Flanged Steel, 45 Degree Elbows (23 21 13 23-0859)		
23 21 13 23-0876 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	410.35 266.08 399.12	51.86
23 21 13 23-0877 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	430.28 274.92 412.38	57.76
23 21 13 23-0878 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	448.97 282.77 424.15	63.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	556.57	74.08
		For Galvanized Fittings, Add	356.41	
		For Extra Heavy Weight Fittings, Add	534.61	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	788.36	82.96
		For Galvanized Fittings, Add	531.18	
		For Extra Heavy Weight Fittings, Add	796.76	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	777.67	96.30
		For Galvanized Fittings, Add	506.63	
		For Extra Heavy Weight Fittings, Add	759.95	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	913.05	106.62
		For Galvanized Fittings, Add	602.50	
		For Extra Heavy Weight Fittings, Add	903.74	
23 21 13 23-0883 Flanged Steel, Tees (23 21 13 23-0859)				
23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee.....	419.76	77.75
		For Galvanized Fittings, Add	242.51	
		For Extra Heavy Weight Fittings, Add	363.77	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee.....	533.72	86.63
		For Galvanized Fittings, Add	323.02	
		For Extra Heavy Weight Fittings, Add	484.54	
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee.....	496.75	95.51
		For Galvanized Fittings, Add	282.78	
		For Extra Heavy Weight Fittings, Add	424.16	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee.....	694.32	111.17
		For Galvanized Fittings, Add	422.18	
		For Extra Heavy Weight Fittings, Add	633.28	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee.....	1,006.89	124.50
		For Galvanized Fittings, Add	656.24	
		For Extra Heavy Weight Fittings, Add	984.36	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee.....	1,224.35	144.50
		For Galvanized Fittings, Add	806.22	
		For Extra Heavy Weight Fittings, Add	1,209.34	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee.....	1,360.14	167.38
		For Galvanized Fittings, Add	887.31	
		For Extra Heavy Weight Fittings, Add	1,330.97	
23 21 13 23-0891 Flanged Steel, Reducing Tees (23 21 13 23-0859)				
23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	639.74	83.74
		For Galvanized Fittings, Add	411.39	
		For Extra Heavy Weight Fittings, Add	617.09	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee.....	736.53	92.63
		For Galvanized Fittings, Add	478.16	
		For Extra Heavy Weight Fittings, Add	717.24	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee.....	1,235.09	105.95
		For Galvanized Fittings, Add	861.02	
		For Extra Heavy Weight Fittings, Add	1,291.52	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee.....	1,338.35	120.06
		For Galvanized Fittings, Add	926.74	
		For Extra Heavy Weight Fittings, Add	1,390.12	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee.....	1,674.47	137.83
		For Galvanized Fittings, Add	1,174.31	
		For Extra Heavy Weight Fittings, Add	1,761.47	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee.....	2,080.44	154.83
		For Galvanized Fittings, Add	1,478.66	
		For Extra Heavy Weight Fittings, Add	2,217.98	
23 21 13 23-0898 Flanged Steel, Concentric Reducers (23 21 13 23-0859)				
23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	594.27	60.76
		For Galvanized Fittings, Add	402.56	
		For Extra Heavy Weight Fittings, Add	603.84	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	675.21	68.86
		For Galvanized Fittings, Add	457.54	
		For Extra Heavy Weight Fittings, Add	686.30	
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	987.89	78.52
		For Galvanized Fittings, Add	696.13	
		For Extra Heavy Weight Fittings, Add	1,044.19	
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,088.71	85.19
		For Galvanized Fittings, Add	768.78	
		For Extra Heavy Weight Fittings, Add	1,153.18	
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,276.37	101.51
		For Galvanized Fittings, Add	899.37	
		For Extra Heavy Weight Fittings, Add	1,349.05	
23 21 13 23-0904 Flanged Steel, Eccentric Reducers (23 21 13 23-0859)				
23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	644.29	68.86
		For Galvanized Fittings, Add	432.80	
		For Extra Heavy Weight Fittings, Add	649.20	
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	866.88	78.52
		For Galvanized Fittings, Add	599.32	
		For Extra Heavy Weight Fittings, Add	898.98	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
23 21 13 23-0907		Plain End Couplings And Fittings (23 21 13 23)			
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.			
23 21 13 23-0908		Plain End Piping System Couplings (23 21 13 23-0907)			
23 21 13 23-0909		Plainlock Plain End Piping System Couplings (23 21 13 23-0908)			
		Note: Ductile iron body with gasket, bolts and nuts.			
23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling.....	151.01		6.67
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling.....	154.90		9.21
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling.....	159.40		12.22
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling.....	163.24		14.77
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling.....	193.08		17.77
		For Galvanized Fittings, Add	33.29		
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling.....	266.12		23.66
		For Galvanized Fittings, Add	46.12		
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling.....	447.11		38.54
		For Galvanized Fittings, Add	77.87		
23 21 13 23-0917		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0908)			
		Note: Ductile iron body with gasket, bolts and nuts.			
23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	182.29		9.21
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling.....	186.79		12.22
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	190.64		14.88
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling.....	276.09		17.77
		For Galvanized Fittings, Add	62.36		
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	319.82		20.77
		For Galvanized Fittings, Add	72.17		
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling.....	324.21		23.66
		For Galvanized Fittings, Add	72.17		
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling.....	456.89		29.66
		For Galvanized Fittings, Add	103.11		
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling.....	561.49		38.54
		For Galvanized Fittings, Add	125.93		
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling.....	962.11		45.98
		For Galvanized Fittings, Add	223.30		
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling.....	1,243.68		54.42
		For Galvanized Fittings, Add	290.51		
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling.....	1,554.74		64.41
		For Galvanized Fittings, Add	364.53		
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling.....	2,177.31		71.19
		For Galvanized Fittings, Add	517.63		
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling.....	2,956.13		80.53
		For Galvanized Fittings, Add	708.85		
23 21 13 23-0931		Plain End Piping System Fittings (23 21 13 23-0907)			
		Note: Cast ductile iron bodies.			
23 21 13 23-0932		Plain End Piping System, 90 Degree Elbows (23 21 13 23-0931)			
23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow.....	151.27		12.11
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow.....	160.61		18.33
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow.....	169.42		24.21
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow.....	177.33		29.55
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow.....	213.50		35.76
		For Galvanized Fittings, Add	31.98		
23 21 13 23-0938	EA	4" Plain End Piping System, 90 Degree Elbow.....	303.83		47.09
		For Galvanized Fittings, Add	46.63		
23 21 13 23-0939	EA	5" Plain End Piping System, 90 Degree Elbow.....	895.52		58.97
		For Galvanized Fittings, Add	161.42		
23 21 13 23-0940	EA	6" Plain End Piping System, 90 Degree Elbow.....	757.46		77.19
		For Galvanized Fittings, Add	128.35		
23 21 13 23-0941	EA	8" Plain End Piping System, 90 Degree Elbow.....	1,492.93		91.62
		For Galvanized Fittings, Add	271.09		
23 21 13 23-0942	EA	10" Plain End Piping System, 90 Degree Elbow.....	1,864.12		107.06
		For Galvanized Fittings, Add	340.72		
23 21 13 23-0943	EA	12" Plain End Piping System, 90 Degree Elbow.....	2,361.92		128.61
		For Galvanized Fittings, Add	433.82		
23 21 13 23-0944		Plain End Piping System, 45 Degree Elbows (23 21 13 23-0931)			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0945	EA	1" Plain End Piping System, 45 Degree Elbow	151.27	12.11
		<i>For Galvanized Fittings, Add</i>	26.62	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	160.61	18.33
		<i>For Galvanized Fittings, Add</i>	26.62	
23 21 13 23-0947	EA	2" Plain End Piping System, 45 Degree Elbow	169.42	24.21
		<i>For Galvanized Fittings, Add</i>	26.62	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	177.33	29.55
		<i>For Galvanized Fittings, Add</i>	26.62	
23 21 13 23-0949	EA	3" Plain End Piping System, 45 Degree Elbow	213.50	35.76
		<i>For Galvanized Fittings, Add</i>	31.98	
23 21 13 23-0950	EA	4" Plain End Piping System, 45 Degree Elbow	303.83	47.09
		<i>For Galvanized Fittings, Add</i>	46.63	
23 21 13 23-0951	EA	5" Plain End Piping System, 45 Degree Elbow	895.52	58.97
		<i>For Galvanized Fittings, Add</i>	161.42	
23 21 13 23-0952	EA	6" Plain End Piping System, 45 Degree Elbow	759.93	77.19
		<i>For Galvanized Fittings, Add</i>	128.85	
23 21 13 23-0953	EA	8" Plain End Piping System, 45 Degree Elbow	882.24	91.62
		<i>For Galvanized Fittings, Add</i>	148.96	
23 21 13 23-0954	EA	10" Plain End Piping System, 45 Degree Elbow	1,199.89	107.06
		<i>For Galvanized Fittings, Add</i>	207.88	
23 21 13 23-0955	EA	12" Plain End Piping System, 45 Degree Elbow	1,535.59	128.61
		<i>For Galvanized Fittings, Add</i>	268.55	
23 21 13 23-0956 Plain End Piping System, Tees (23 21 13 23-0931)				
23 21 13 23-0957	EA	1" Plain End Piping System, Tee	206.75	18.33
		<i>For Galvanized Fittings, Add</i>	35.85	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, Tee	220.52	27.54
		<i>For Galvanized Fittings, Add</i>	35.85	
23 21 13 23-0959	EA	2" Plain End Piping System, Tee	232.66	35.65
		<i>For Galvanized Fittings, Add</i>	35.85	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, Tee	244.75	43.65
		<i>For Galvanized Fittings, Add</i>	35.85	
23 21 13 23-0961	EA	3" Plain End Piping System, Tee	338.46	53.65
		<i>For Galvanized Fittings, Add</i>	51.59	
23 21 13 23-0962	EA	4" Plain End Piping System, Tee	462.75	69.42
		<i>For Galvanized Fittings, Add</i>	71.75	
23 21 13 23-0963	EA	5" Plain End Piping System, Tee	924.20	90.74
		<i>For Galvanized Fittings, Add</i>	157.62	
23 21 13 23-0964	EA	6" Plain End Piping System, Tee	1,143.00	113.62
		<i>For Galvanized Fittings, Add</i>	194.53	
23 21 13 23-0965	EA	8" Plain End Piping System, Tee	1,554.90	138.16
		<i>For Galvanized Fittings, Add</i>	269.54	
23 21 13 23-0966	EA	10" Plain End Piping System, Tee	2,299.51	161.04
		<i>For Galvanized Fittings, Add</i>	411.61	
23 21 13 23-0967	EA	12" Plain End Piping System, Tee	3,073.32	192.92
		<i>For Galvanized Fittings, Add</i>	556.82	
23 21 13 23-0968 Plain End Piping System, Reducing Tees (23 21 13 23-0931)				
23 21 13 23-0969	EA	1-1/2" Plain End Piping System, Reducing Tee	398.58	29.55
		<i>For Galvanized Fittings, Add</i>	70.86	
23 21 13 23-0970	EA	2" Plain End Piping System, Reducing Tee	407.72	35.65
		<i>For Galvanized Fittings, Add</i>	70.86	
23 21 13 23-0971	EA	2-1/2" Plain End Piping System, Reducing Tee	419.81	43.65
		<i>For Galvanized Fittings, Add</i>	70.86	
23 21 13 23-0972	EA	3" Plain End Piping System, Reducing Tee	434.81	53.65
		<i>For Galvanized Fittings, Add</i>	70.86	
23 21 13 23-0973	EA	4" Plain End Piping System, Reducing Tee	627.08	69.42
		<i>For Galvanized Fittings, Add</i>	104.62	
23 21 13 23-0974	EA	6" Plain End Piping System, Reducing Tee	1,058.61	113.62
		<i>For Galvanized Fittings, Add</i>	177.65	
23 21 13 23-0975	EA	8" Plain End Piping System, Reducing Tee	1,377.00	138.16
		<i>For Galvanized Fittings, Add</i>	233.96	
23 21 13 23-0976	EA	10" Plain End Piping System, Reducing Tee	2,044.87	161.04
		<i>For Galvanized Fittings, Add</i>	360.68	
23 21 13 23-0977	EA	12" Plain End Piping System, Reducing Tee	3,000.46	192.92
		<i>For Galvanized Fittings, Add</i>	542.25	
23 21 13 23-0978 Plain End Piping System, Wyes (23 21 13 23-0931)				
23 21 13 23-0979	EA	2" Plain End Piping System, Wye	578.46	35.65
		<i>For Galvanized Fittings, Add</i>	105.01	
23 21 13 23-0980	EA	2-1/2" Plain End Piping System, Wye	590.55	43.65
		<i>For Galvanized Fittings, Add</i>	105.01	
23 21 13 23-0981	EA	3" Plain End Piping System, Wye	670.69	53.65
		<i>For Galvanized Fittings, Add</i>	118.04	
23 21 13 23-0982	EA	4" Plain End Piping System, Wye	980.04	69.42
		<i>For Galvanized Fittings, Add</i>	175.21	
23 21 13 23-0983	EA	5" Plain End Piping System, Wye	1,202.15	90.74
		<i>For Galvanized Fittings, Add</i>	213.21	
23 21 13 23-0984	EA	6" Plain End Piping System, Wye	1,638.33	113.62
		<i>For Galvanized Fittings, Add</i>	293.60	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 13 23-0985	EA	8" Plain End Piping System, Wye	2,108.34	138.16	
		For Galvanized Fittings, Add	380.23		
23 21 13 23-0986	EA	10" Plain End Piping System, Wye	3,044.91	161.04	
		For Galvanized Fittings, Add	560.69		
23 21 13 23-0987	EA	12" Plain End Piping System, Wye	4,611.00	192.92	
		For Galvanized Fittings, Add	864.35		
23 21 13 23-0988 Plain End Piping System, Laterals (23 21 13 23-0931)					
23 21 13 23-0989	EA	2" Plain End Piping System, Lateral	615.60	35.65	
		For Galvanized Fittings, Add	112.44		
23 21 13 23-0990	EA	2-1/2" Plain End Piping System, Lateral	627.69	43.65	
		For Galvanized Fittings, Add	112.44		
23 21 13 23-0991	EA	3" Plain End Piping System, Lateral	707.58	53.65	
		For Galvanized Fittings, Add	125.42		
23 21 13 23-0992	EA	4" Plain End Piping System, Lateral	1,050.48	69.42	
		For Galvanized Fittings, Add	189.30		
23 21 13 23-0993	EA	5" Plain End Piping System, Lateral	1,369.93	90.74	
		For Galvanized Fittings, Add	246.76		
23 21 13 23-0994	EA	6" Plain End Piping System, Lateral	1,746.28	113.62	
		For Galvanized Fittings, Add	315.19		
23 21 13 23-0995	EA	8" Plain End Piping System, Lateral	2,504.85	138.16	
		For Galvanized Fittings, Add	459.53		
23 21 13 23-0996	EA	10" Plain End Piping System, Lateral	3,484.85	161.04	
		For Galvanized Fittings, Add	648.68		
23 21 13 23-0997	EA	12" Plain End Piping System, Lateral	4,676.39	192.92	
		For Galvanized Fittings, Add	877.43		
23 21 13 23-0998 Plain End Piping System, Crosses (23 21 13 23-0931)					
23 21 13 23-0999	EA	2" Plain End Piping System, Cross	690.45	53.43	
		For Galvanized Fittings, Add	76.30		
23 21 13 23-1000	EA	2-1/2" Plain End Piping System, Cross	708.54	65.42	
		For Galvanized Fittings, Add	76.30		
23 21 13 23-1001	EA	3" Plain End Piping System, Cross	828.74	80.53	
		For Galvanized Fittings, Add	88.50		
23 21 13 23-1002	EA	4" Plain End Piping System, Cross	1,128.64	104.07	
		For Galvanized Fittings, Add	121.58		
23 21 13 23-1003	EA	5" Plain End Piping System, Cross	1,585.66	136.17	
		For Galvanized Fittings, Add	172.69		
23 21 13 23-1004	EA	6" Plain End Piping System, Cross	2,078.88	169.92	
		For Galvanized Fittings, Add	228.02		
23 21 13 23-1005	EA	8" Plain End Piping System, Cross	2,648.72	205.81	
		For Galvanized Fittings, Add	292.53		
23 21 13 23-1006	EA	10" Plain End Piping System, Cross	3,775.10	240.56	
		For Galvanized Fittings, Add	426.81		
23 21 13 23-1007	EA	12" Plain End Piping System, Cross	5,357.30	289.43	
		For Galvanized Fittings, Add	615.43		
23 21 13 23-1008 Plain End Piping System, Adapter Nipples (23 21 13 23-0931)					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21 13 23-1009	EA	1" Plain End Piping System, Adapter Nipple	42.35	6.67	
		For Galvanized Fittings, Add	8.09		
23 21 13 23-1010	EA	1-1/2" Plain End Piping System, Adapter Nipple	47.13	9.21	
		For Galvanized Fittings, Add	8.31		
23 21 13 23-1011	EA	2" Plain End Piping System, Adapter Nipple	51.51	12.22	
		For Galvanized Fittings, Add	8.31		
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Adapter Nipple	61.17	14.77	
		For Galvanized Fittings, Add	9.74		
23 21 13 23-1013	EA	3" Plain End Piping System, Adapter Nipple	74.78	17.77	
		For Galvanized Fittings, Add	12.03		
23 21 13 23-1014	EA	4" Plain End Piping System, Adapter Nipple	116.02	23.66	
		For Galvanized Fittings, Add	20.12		
23 21 13 23-1015	EA	6" Plain End Piping System, Adapter Nipple	262.05	29.66	
		For Galvanized Fittings, Add	54.41		
23 21 13 23-1016 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0931)					
23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	132.61	15.88	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	137.06	18.88	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	141.55	21.88	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	140.46	21.21	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	144.83	24.10	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	149.26	26.99	
		For Galvanized Fittings, Add	27.18		
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	169.01	24.43	
		For Galvanized Fittings, Add	33.11		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	172.95 33.11	26.99
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	146.85 25.46	29.99
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	155.45 25.46	35.76
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	179.51 30.45	38.54
23 21 13 23-1028	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	231.73 46.55	30.32
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	235.62 46.55	32.98
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	194.92 35.25	35.98
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	198.73 35.25	38.54
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	203.26 35.25	41.54
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	207.59 35.25	44.42
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	581.34 129.63	41.87
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	471.23 100.06	47.31
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	409.37 82.34	53.43
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,055.73 247.00	45.21
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,059.56 247.00	47.76
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	806.82 182.69	50.76
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	810.77 182.69	53.43
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	557.98 118.40	56.31
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	562.02 118.40	58.97
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	452.34 89.79	62.20
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	513.89 102.95	68.08
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	666.57 142.79	63.64
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	675.53 142.79	69.64
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	763.08 162.44	75.63
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	855.10 182.08	84.52
23 21 13 23-1049 Plain End Piping System, Bull Plugs (23 21 13 23-0931)				
23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	299.43 86.83	6.67
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	303.32 86.83	9.21
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	307.70 86.83	12.22
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	311.64 86.83	14.77
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	450.92 127.28	17.77
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	583.55 164.40	23.66
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,012.87 290.54	29.66
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,349.43 387.50	38.54
23 21 13 23-1058	EA	8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,497.27 728.53	45.87
23 21 13 23-1059	EA	10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	4,488.87 1,322.51	53.65
23 21 13 23-1060	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	6,875.91 2,033.79	64.41
23 21 13 23-1061 Carbon Steel Piping Systems (23 21 13 23)				
23 21 13 23-1062 Class 3,000 Lb. Carbon Steel Socket Weld Fittings (23 21 13 23-1061)				
Note: ASTM A105				
23 21 13 23-1063 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1062)				
23 21 13 23-1064	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	37.29	21.99



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1065 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	41.84	24.54
23 21 13 23-1066 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	50.36	27.43
23 21 13 23-1067 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	63.76	31.10
23 21 13 23-1068 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	72.51	34.99
23 21 13 23-1069 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	96.08	44.53
23 21 13 23-1070 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	173.25	65.86
23 21 13 23-1071 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	241.15	86.63
23 21 13 23-1072 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	377.97	94.57
23 21 13 23-1073 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1074 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	39.21	21.99
23 21 13 23-1075 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	44.76	24.54
23 21 13 23-1076 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	51.25	27.43
23 21 13 23-1077 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	64.89	31.10
23 21 13 23-1078 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	75.23	34.99
23 21 13 23-1079 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	96.03	44.53
23 21 13 23-1080 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	189.90	65.86
23 21 13 23-1081 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	255.23	86.63
23 21 13 23-1082 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	371.88	94.57
23 21 13 23-1083 Straight Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1084 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	46.11	27.43
23 21 13 23-1085 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	54.64	31.65
23 21 13 23-1086 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	68.79	37.43
23 21 13 23-1087 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	87.42	44.53
23 21 13 23-1088 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	105.30	53.09
23 21 13 23-1089 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	136.00	65.86
23 21 13 23-1090 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	219.65	86.63
23 21 13 23-1091 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	289.01	102.84
23 21 13 23-1092 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	495.64	119.39
23 21 13 23-1093 Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1094 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	46.64	27.43
23 21 13 23-1095 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	55.19	31.65
23 21 13 23-1096 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	69.45	37.43
23 21 13 23-1097 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	88.97	44.53
23 21 13 23-1098 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	107.12	53.09
23 21 13 23-1099 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	138.79	65.86
23 21 13 23-1100 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	226.27	86.63
23 21 13 23-1101 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	298.54	102.84
23 21 13 23-1102 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	461.72	119.39
23 21 13 23-1103 Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1104 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	34.91	21.99
23 21 13 23-1105 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	39.21	24.54
23 21 13 23-1106 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	44.77	27.43
23 21 13 23-1107 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	51.15	31.10
23 21 13 23-1108 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	58.66	34.99
23 21 13 23-1109 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	75.70	44.53
23 21 13 23-1110 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	121.34	65.86
23 21 13 23-1111 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	161.09	86.63
23 21 13 23-1112 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	203.96	94.57
23 21 13 23-1113 Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1114 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	35.98	21.99
23 21 13 23-1115 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	40.39	24.54
23 21 13 23-1116 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	46.66	27.43
23 21 13 23-1117 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	53.43	31.10
23 21 13 23-1118 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	62.05	34.99
23 21 13 23-1119 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	79.32	44.53
23 21 13 23-1120 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	129.31	65.86
23 21 13 23-1121 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	177.12	86.63
23 21 13 23-1122 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	237.27	94.57
23 21 13 23-1123 Caps, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1124 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	18.59	10.33
23 21 13 23-1125 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	20.60	11.00
23 21 13 23-1126 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	23.99	12.66
23 21 13 23-1127 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	27.10	13.78
23 21 13 23-1128 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	29.49	13.78
23 21 13 23-1129 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	38.20	17.66
23 21 13 23-1130 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	60.36	21.99
23 21 13 23-1131 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	83.06	26.55
23 21 13 23-1132 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	116.02	32.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1133		Black Cast Iron Square Head Plug (23 21 13 23-1062)	
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	13.80 8.77
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	14.83 8.77
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	21.80 13.32
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	22.01 13.32
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	22.86 13.32
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	30.38 17.66
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	38.47 21.99
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	48.74 26.55
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	59.07 32.36
23 21 13 23-1143		Unions, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)	
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	52.34 27.43
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	58.95 31.65
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	72.89 37.43
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	89.89 44.53
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	107.91 53.09
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	134.48 65.86
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	198.86 71.52
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	259.67 86.63
23 21 13 23-1152		Class 6,000 Lb. Carbon Steel Socket Weld Fittings (23 21 13 23-1061)	
Note: ASTM A105			
23 21 13 23-1153		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1152)	
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	39.61 21.99
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	44.49 24.54
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	55.26 27.43
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	72.89 31.10
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	83.13 34.99
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	111.69 44.53
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	212.83 65.86
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	300.23 86.63
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	503.44 94.57
23 21 13 23-1163		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1152)	
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	42.78 21.99
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	49.24 24.54
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	56.98 27.43
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	75.27 31.10
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	88.10 34.99
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	112.63 44.53
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	241.53 65.86
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	326.20 86.63
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	502.19 94.57
23 21 13 23-1173		Straight Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)	
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	50.72 27.43
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	61.29 31.65
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	80.56 37.43
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	106.61 44.53
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	129.09 53.09
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	170.53 65.86
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	302.78 86.63
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	413.83 102.84
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	788.88 119.39
23 21 13 23-1183		Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)	
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	46.64 27.43
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	55.19 31.65
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	69.45 37.43
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	88.97 44.53
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	107.12 53.09
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	138.79 65.86
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	226.27 86.63
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	298.54 102.84
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	461.72 119.39
23 21 13 23-1193		Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)	
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	35.88 21.99
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	40.35 24.54
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	46.52 27.43



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	53.36	31.10
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	61.64	34.99
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	80.05	44.53
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	132.28	65.86
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	176.18	86.63
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	234.05	94.57
23 21 13 23-1203 Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)				
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	37.46	21.99
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	42.09	24.54
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	49.31	27.43
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	56.72	31.10
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	66.63	34.99
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	85.38	44.53
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	143.99	65.86
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	199.78	86.63
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	283.13	94.57
23 21 13 23-1213 Caps, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)				
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	20.71	10.33
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	23.38	11.00
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	27.35	12.66
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	31.48	13.78
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	35.49	13.78
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	46.02	17.66
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	78.79	21.99
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	112.08	26.55
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	161.28	32.36
23 21 13 23-1223 Black Cast Iron Square Head Plug (23 21 13 23-1152)				
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron	13.81	8.77
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron	14.84	8.77
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron	21.81	13.32
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron	22.02	13.32
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron	22.87	13.32
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron	30.39	17.66
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron	38.50	21.99
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron	48.78	26.55
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron	59.12	32.36
23 21 13 23-1233 Unions, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)				
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	59.19	27.43
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	65.98	31.65
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	83.16	37.43
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	104.07	44.53
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	125.21	53.09
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	156.34	65.86
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	254.84	71.52
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	339.03	86.63
23 21 13 23-1242 Carbon Steel, Seamless Piping System (23 21 13 23-1061)				
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.				
23 21 13 23-1243 Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1242)				
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.				
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.11	4.11
		For Schedule 80, Add	3.22	
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	14.91	4.44
		For Schedule 80, Add	2.94	
		For Schedule 160, Add	12.27	
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.18	4.77
		For Schedule 80, Add	3.60	
		For Schedule 160, Add	15.02	
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.08	5.22
		For Schedule 80, Add	3.72	
		For Schedule 160, Add	15.48	
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	26.40	6.45
		For Schedule 80, Add	6.03	
		For Schedule 160, Add	25.11	
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	31.72	7.77
		For Schedule 80, Add	7.21	
		For Schedule 160, Add	30.05	
23 21 13 23-1250 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	28.03	16.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1252 EA 1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.41	19.77
23 21 13 23-1253 EA 3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	37.35	22.11
23 21 13 23-1254 EA 1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	42.32	24.65
23 21 13 23-1255 EA 1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	60.93	31.54
23 21 13 23-1256 EA 2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	77.29	40.09
23 21 13 23-1257 EA 1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	28.91	16.88
23 21 13 23-1258 EA 1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	33.74	19.77
23 21 13 23-1259 EA 3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	38.44	22.11
23 21 13 23-1260 EA 1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.68	24.65
23 21 13 23-1261 EA 1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	66.58	31.54
23 21 13 23-1262 EA 2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	83.53	40.09
23 21 13 23-1263 EA 1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	36.81	19.77
23 21 13 23-1264 EA 3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	42.31	22.11
23 21 13 23-1265 EA 1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	48.75	24.65
23 21 13 23-1266 EA 1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	78.00	31.54
23 21 13 23-1267 EA 2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	113.82	40.09
23 21 13 23-1268 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1269 EA 1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	30.03	16.88
23 21 13 23-1270 EA 1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	34.11	19.77
23 21 13 23-1271 EA 3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	38.27	22.11
23 21 13 23-1272 EA 1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	43.01	24.65
23 21 13 23-1273 EA 1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	58.68	31.54
23 21 13 23-1274 EA 2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	80.77	40.09
23 21 13 23-1275 EA 1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	30.18	16.88
23 21 13 23-1276 EA 1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	34.92	19.77
23 21 13 23-1277 EA 3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.20	22.11
23 21 13 23-1278 EA 1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	45.43	24.65
23 21 13 23-1279 EA 1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	65.71	31.54
23 21 13 23-1280 EA 2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	85.47	40.09
23 21 13 23-1281 EA 1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	38.93	19.77
23 21 13 23-1282 EA 3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	46.14	22.11
23 21 13 23-1283 EA 1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	50.18	24.65
23 21 13 23-1284 EA 1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	86.15	31.54
23 21 13 23-1285 EA 2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	114.36	40.09
23 21 13 23-1286 Straight Tees, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1287 EA 1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	37.20	23.43
23 21 13 23-1288 EA 1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	41.93	24.65
23 21 13 23-1289 EA 3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	49.41	28.54
23 21 13 23-1290 EA 1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	59.63	33.66
23 21 13 23-1291 EA 1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	90.89	47.76
23 21 13 23-1292 EA 2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	112.70	59.31
23 21 13 23-1293 EA 1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	37.96	23.43
23 21 13 23-1294 EA 1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	42.41	24.65
23 21 13 23-1295 EA 3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	51.04	28.54
23 21 13 23-1296 EA 1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	61.03	33.66
23 21 13 23-1297 EA 1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	95.73	47.76
23 21 13 23-1298 EA 2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	120.71	59.31
23 21 13 23-1299 EA 1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	46.10	24.65
23 21 13 23-1300 EA 3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	55.01	28.54
23 21 13 23-1301 EA 1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	70.82	33.66
23 21 13 23-1302 EA 1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	106.86	47.76
23 21 13 23-1303 EA 2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	156.19	59.31
23 21 13 23-1304 Crosses, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1305 EA 1/4" Cross, 2,000 Lb., Screwed Carbon Steel	52.97	29.66
23 21 13 23-1306 EA 1/2" Cross, 2,000 Lb., Screwed Carbon Steel	61.38	33.32
23 21 13 23-1307 EA 3/4" Cross, 2,000 Lb., Screwed Carbon Steel	65.70	35.54
23 21 13 23-1308 EA 1" Cross, 2,000 Lb., Screwed Carbon Steel	80.51	42.87
23 21 13 23-1309 EA 1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	128.95	59.97
23 21 13 23-1310 EA 2" Cross, 2,000 Lb., Screwed Carbon Steel	163.89	74.08
23 21 13 23-1311 EA 1/2" Cross, 3,000 Lb., Screwed Carbon Steel	62.30	33.32
23 21 13 23-1312 EA 3/4" Cross, 3,000 Lb., Screwed Carbon Steel	71.00	35.54
23 21 13 23-1313 EA 1" Cross, 3,000 Lb., Screwed Carbon Steel	85.15	42.87
23 21 13 23-1314 EA 1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	135.63	59.97
23 21 13 23-1315 EA 2" Cross, 3,000 Lb., Screwed Carbon Steel	176.10	74.08
23 21 13 23-1316 EA 1/2" Cross, 6,000 Lb., Screwed Carbon Steel	79.56	33.32
23 21 13 23-1317 EA 3/4" Cross, 6,000 Lb., Screwed Carbon Steel	118.10	35.54
23 21 13 23-1318 EA 1" Cross, 6,000 Lb., Screwed Carbon Steel	157.73	42.87
23 21 13 23-1319 EA 1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	243.56	59.97
23 21 13 23-1320 EA 2" Cross, 6,000 Lb., Screwed Carbon Steel	273.15	74.08
23 21 13 23-1321 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1322 EA 1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	27.07	16.88
23 21 13 23-1323 EA 1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	31.15	19.77



Heating, Ventilating, and Air-Conditioning (HVAC)

23

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1324 EA 3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	35.26	22.11
23 21 13 23-1325 EA 1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	40.19	24.65
23 21 13 23-1326 EA 1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	55.24	31.54
23 21 13 23-1327 EA 2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	70.13	40.09
23 21 13 23-1328 EA 1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	29.28	16.88
23 21 13 23-1329 EA 1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	32.55	19.77
23 21 13 23-1330 EA 3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	36.33	22.11
23 21 13 23-1331 EA 1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	41.62	24.65
23 21 13 23-1332 EA 1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	57.43	31.54
23 21 13 23-1333 EA 2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	78.13	40.09
23 21 13 23-1334 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1335 EA 1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	27.38	18.00
23 21 13 23-1336 EA 1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	31.88	19.77
23 21 13 23-1337 EA 3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	36.37	22.11
23 21 13 23-1338 EA 1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	41.73	24.65
23 21 13 23-1339 EA 1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	55.64	31.54
23 21 13 23-1340 EA 2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	72.29	40.09
23 21 13 23-1341 EA 1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	60.20	19.77
23 21 13 23-1342 EA 3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	63.73	22.11
23 21 13 23-1343 EA 1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	73.62	24.65
23 21 13 23-1344 EA 1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	102.82	31.54
23 21 13 23-1345 EA 2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	143.70	40.09
23 21 13 23-1346 Caps, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1347 EA 1/4" Cap, 3,000 Lb., Screwed Carbon Steel	12.66	7.55
23 21 13 23-1348 EA 1/2" Cap, 3,000 Lb., Screwed Carbon Steel	14.73	8.77
23 21 13 23-1349 EA 3/4" Cap, 3,000 Lb., Screwed Carbon Steel	16.89	9.89
23 21 13 23-1350 EA 1" Cap, 3,000 Lb., Screwed Carbon Steel	19.69	11.00
23 21 13 23-1351 EA 1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	26.11	14.00
23 21 13 23-1352 EA 2" Cap, 3,000 Lb., Screwed Carbon Steel	34.54	17.89
23 21 13 23-1353 EA 1/4" Cap, 6,000 Lb., Screwed Carbon Steel	15.32	7.55
23 21 13 23-1354 EA 1/2" Cap, 6,000 Lb., Screwed Carbon Steel	16.43	8.77
23 21 13 23-1355 EA 3/4" Cap, 6,000 Lb., Screwed Carbon Steel	19.66	9.89
23 21 13 23-1356 EA 1" Cap, 6,000 Lb., Screwed Carbon Steel	21.71	11.00
23 21 13 23-1357 EA 1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	34.36	14.00
23 21 13 23-1358 EA 2" Cap, 6,000 Lb., Screwed Carbon Steel	42.57	17.89
23 21 13 23-1359 Nipples, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1360 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel	16.50	10.11
23 21 13 23-1361 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel	16.87	10.55
23 21 13 23-1362 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel	16.80	10.55
23 21 13 23-1363 EA 1" Nipple, 2" Long, Screwed Carbon Steel	18.43	11.44
23 21 13 23-1364 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel	20.54	12.33
23 21 13 23-1365 EA 2" Nipple, 2" Long, Screwed Carbon Steel	25.42	15.88
23 21 13 23-1366 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel	17.01	10.11
23 21 13 23-1367 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel	17.27	10.55
23 21 13 23-1368 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel	17.26	10.55
23 21 13 23-1369 EA 1" Nipple, 4" Long, Screwed Carbon Steel	19.05	11.44
23 21 13 23-1370 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel	21.63	12.33
23 21 13 23-1371 EA 2" Nipple, 4" Long, Screwed Carbon Steel	27.02	15.88
23 21 13 23-1372 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel	18.22	10.11
23 21 13 23-1373 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel	17.91	10.55
23 21 13 23-1374 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel	17.97	10.55
23 21 13 23-1375 EA 1" Nipple, 6" Long, Screwed Carbon Steel	19.93	11.44
23 21 13 23-1376 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel	23.13	12.33
23 21 13 23-1377 EA 2" Nipple, 6" Long, Screwed Carbon Steel	28.34	15.88
23 21 13 23-1378 Unions, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1379 EA 1/4" Union, 3,000 Lb., Screwed Carbon Steel	35.11	24.54
23 21 13 23-1380 EA 1/2" Union, 3,000 Lb., Screwed Carbon Steel	37.89	24.65
23 21 13 23-1381 EA 3/4" Union, 3,000 Lb., Screwed Carbon Steel	43.61	28.54
23 21 13 23-1382 EA 1" Union, 3,000 Lb., Screwed Carbon Steel	51.78	33.66
23 21 13 23-1383 EA 1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	73.84	47.76
23 21 13 23-1384 EA 2" Union, 3,000 Lb., Screwed Carbon Steel	91.62	59.31
23 21 13 23-1385 EA 1/4" Union, 6,000 Lb., Screwed Carbon Steel	46.86	24.54
23 21 13 23-1386 EA 1/2" Union, 6,000 Lb., Screwed Carbon Steel	52.09	24.65
23 21 13 23-1387 EA 3/4" Union, 6,000 Lb., Screwed Carbon Steel	60.81	28.54
23 21 13 23-1388 EA 1" Union, 6,000 Lb., Screwed Carbon Steel	72.98	33.66
23 21 13 23-1389 EA 1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	117.18	47.76
23 21 13 23-1390 EA 2" Union, 6,000 Lb., Screwed Carbon Steel	144.96	59.31
23 21 13 23-1391 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1392 EA 1/2" Flange, 150 Lb., Screwed Carbon Steel	75.07	45.87
23 21 13 23-1393 EA 3/4" Flange, 150 Lb., Screwed Carbon Steel	78.61	48.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1394 EA 1" Flange, 150 Lb., Screwed Carbon Steel.....	81.74	50.20
23 21 13 23-1395 EA 1-1/2" Flange, 150 Lb., Screwed Carbon Steel.....	91.46	56.53
23 21 13 23-1396 EA 2" Flange, 150 Lb., Screwed Carbon Steel.....	95.15	58.97
23 21 13 23-1397 EA 1/2" Flange, 300 Lb., Screwed Carbon Steel.....	75.47	45.87
For Ring Type Joint, Add	6.64	
For Blind Flange, Deduct	-28.86	
23 21 13 23-1398 EA 3/4" Flange, 300 Lb., Screwed Carbon Steel.....	79.03	48.09
For Ring Type Joint, Add	6.87	
For Blind Flange, Deduct	-30.24	
23 21 13 23-1399 EA 1" Flange, 300 Lb., Screwed Carbon Steel.....	82.37	50.20
For Ring Type Joint, Add	7.08	
For Blind Flange, Deduct	-31.53	
23 21 13 23-1400 EA 1-1/2" Flange, 300 Lb., Screwed Carbon Steel.....	92.99	56.53
For Ring Type Joint, Add	8.20	
For Blind Flange, Deduct	-35.56	
23 21 13 23-1401 EA 2" Flange, 300 Lb., Screwed Carbon Steel.....	96.68	58.97
For Ring Type Joint, Add	8.20	
For Blind Flange, Deduct	-37.03	
23 21 13 23-1402 EA 1/2" Flange, 600 Lb., Screwed Carbon Steel.....	78.09	45.87
For Ring Type Joint, Add	9.26	
For Blind Flange, Deduct	-29.38	
23 21 13 23-1403 EA 3/4" Flange, 600 Lb., Screwed Carbon Steel.....	81.42	48.09
For Ring Type Joint, Add	9.26	
For Blind Flange, Deduct	-30.72	
23 21 13 23-1404 EA 1" Flange, 600 Lb., Screwed Carbon Steel.....	84.97	50.20
For Ring Type Joint, Add	9.68	
For Blind Flange, Deduct	-32.05	
23 21 13 23-1405 EA 1-1/2" Flange, 600 Lb., Screwed Carbon Steel.....	96.20	56.53
For Ring Type Joint, Add	11.41	
For Blind Flange, Deduct	-36.20	
23 21 13 23-1406 EA 2" Flange, 600 Lb., Screwed Carbon Steel.....	99.10	58.97
For Ring Type Joint, Add	10.62	
For Blind Flange, Deduct	-37.52	
23 21 13 23-1407 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1408 EA 1/4" Square Head Plug, Screwed Carbon Steel.....	5.23	3.11
23 21 13 23-1409 EA 1/2" Square Head Plug, Screwed Carbon Steel.....	6.26	3.67
23 21 13 23-1410 EA 3/4" Square Head Plug, Screwed Carbon Steel.....	7.20	4.22
23 21 13 23-1411 EA 1" Square Head Plug, Screwed Carbon Steel.....	10.52	6.22
23 21 13 23-1412 EA 1-1/2" Square Head Plug, Screwed Carbon Steel.....	12.06	6.22
23 21 13 23-1413 EA 2" Square Head Plug, Screwed Carbon Steel.....	16.74	8.11
23 21 13 23-1414 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1415 EA 1/4" Hex Head Plug, Screwed Carbon Steel.....	5.07	3.11
23 21 13 23-1416 EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	6.12	3.67
23 21 13 23-1417 EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	7.11	4.22
23 21 13 23-1418 EA 1" Hex Head Plug, Screwed Carbon Steel.....	10.44	6.22
23 21 13 23-1419 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	11.72	6.22
23 21 13 23-1420 EA 2" Hex Head Plug, Screwed Carbon Steel.....	16.98	8.11
23 21 13 23-1421 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1422 EA 1/4" Round Head Plug, Screwed Carbon Steel.....	5.57	3.11
23 21 13 23-1423 EA 1/2" Round Head Plug, Screwed Carbon Steel.....	6.28	3.67
23 21 13 23-1424 EA 3/4" Round Head Plug, Screwed Carbon Steel.....	7.13	4.22
23 21 13 23-1425 EA 1" Round Head Plug, Screwed Carbon Steel.....	10.57	6.22
23 21 13 23-1426 EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	12.49	6.22
23 21 13 23-1427 EA 2" Round Head Plug, Screwed Carbon Steel.....	16.89	8.11
23 21 13 23-1428 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1429 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	5.19	3.11
23 21 13 23-1430 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	6.11	3.67
23 21 13 23-1431 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	7.07	4.22
23 21 13 23-1432 EA 1" Hex Bushing, Screwed Carbon Steel.....	10.54	6.22
23 21 13 23-1433 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	11.69	6.22
23 21 13 23-1434 EA 2" Hex Bushing, Screwed Carbon Steel.....	16.62	8.11
23 21 13 23-1435 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1436 EA 1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	30.84	16.88
23 21 13 23-1437 EA 1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	35.61	19.77
23 21 13 23-1438 EA 3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	40.85	22.11
23 21 13 23-1439 EA 1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	46.87	24.65
23 21 13 23-1440 EA 1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	68.35	31.54
23 21 13 23-1441 EA 2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	90.15	40.09
23 21 13 23-1442 EA 1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	43.64	19.77
23 21 13 23-1443 EA 3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	57.18	22.11
23 21 13 23-1444 EA 1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	74.19	24.65
23 21 13 23-1445 EA 1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	143.49	31.54

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1446 Screwed Carbon Steel Laterals (23 21 13 23-1242)					
23 21 13 23-1447	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	92.32	24.65	
23 21 13 23-1448	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	110.04	28.54	
23 21 13 23-1449	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	133.67	33.66	
23 21 13 23-1450	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	175.52	47.76	
23 21 13 23-1451	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	218.69	59.31	
23 21 13 23-1452	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	111.07	24.65	
23 21 13 23-1453	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	137.93	28.54	
23 21 13 23-1454	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	163.49	33.66	
23 21 13 23-1455	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	230.34	47.76	
23 21 13 23-1456 Grooved-Joint Pipe (23 21 13 23)					
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.					
23 21 13 23-1457 Schedule 10 Black Grooved Pipe (23 21 13 23-1456)					
23 21 13 23-1458	LF	2" Black Schedule 10 Grooved Pipe.....	29.40	14.11	
		For Work In Restricted Working Space, Add	6.33		
23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	39.76	19.33	
		For Work In Restricted Working Space, Add	8.70		
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe.....	44.58	21.43	
		For Work In Restricted Working Space, Add	9.65		
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	49.27	22.22	
		For Work In Restricted Working Space, Add	10.01		
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe.....	52.43	24.10	
		For Work In Restricted Working Space, Add	10.83		
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe.....	72.91	29.55	
		For Work In Restricted Working Space, Add	13.26		
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe.....	94.98	41.99	
		For Work In Restricted Working Space, Add	18.86		
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe.....	127.23	47.09	
		For Work In Restricted Working Space, Add	21.17		
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe.....	158.94	56.76	
		For Work In Restricted Working Space, Add	25.52		
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe.....	183.07	64.30	
		For Work In Restricted Working Space, Add	28.92		
23 21 13 23-1468 Schedule 40 Black Grooved Pipe (23 21 13 23-1456)					
23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe.....	17.65	8.55	
		For Work In Restricted Working Space, Add	3.83		
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe.....	19.93	9.66	
		For Work In Restricted Working Space, Add	4.32		
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe.....	22.54	10.44	
		For Work In Restricted Working Space, Add	4.69		
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe.....	25.65	11.88	
		For Work In Restricted Working Space, Add	5.34		
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe.....	32.38	15.11	
		For Work In Restricted Working Space, Add	6.81		
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe.....	44.99	20.66	
		For Work In Restricted Working Space, Add	9.31		
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe.....	52.89	23.55	
		For Work In Restricted Working Space, Add	10.61		
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe.....	64.21	26.21	
		For Work In Restricted Working Space, Add	11.79		
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe.....	87.36	31.87	
		For Work In Restricted Working Space, Add	14.34		
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe.....	118.27	45.98	
		For Work In Restricted Working Space, Add	20.66		
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe.....	154.82	52.09	
		For Work In Restricted Working Space, Add	23.45		
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe.....	211.01	62.20	
		For Work In Restricted Working Space, Add	27.99		
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe.....	248.10	71.41	
		For Work In Restricted Working Space, Add	32.14		
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe.....	328.03	96.52	
		For Work In Restricted Working Space, Add	43.39		
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe.....	380.92	113.51	
		For Work In Restricted Working Space, Add	51.04		
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe.....	472.12	137.83	
		For Work In Restricted Working Space, Add	61.98		
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe.....	544.88	160.71	
		For Work In Restricted Working Space, Add	72.31		
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe.....	708.06	192.92	
		For Work In Restricted Working Space, Add	86.77		
23 21 13 23-1487 Schedule 80 Black Grooved Pipe (23 21 13 23-1456)					
23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe.....	19.33	9.33	
		For Work In Restricted Working Space, Add	4.19		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe.....	21.36	9.89
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe.....	24.92	11.00
		<i>For Work In Restricted Working Space, Add</i>	4.95	
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe.....	28.33	12.33
		<i>For Work In Restricted Working Space, Add</i>	5.56	
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe.....	36.63	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.16	
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe.....	51.45	21.88
		<i>For Work In Restricted Working Space, Add</i>	9.83	
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe.....	61.00	24.54
		<i>For Work In Restricted Working Space, Add</i>	11.06	
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe.....	75.61	26.77
		<i>For Work In Restricted Working Space, Add</i>	12.06	
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe.....	113.68	33.66
		<i>For Work In Restricted Working Space, Add</i>	15.16	
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe.....	149.09	48.20
		<i>For Work In Restricted Working Space, Add</i>	21.69	
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe.....	218.85	55.09
		<i>For Work In Restricted Working Space, Add</i>	24.79	
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe.....	271.86	66.53
		<i>For Work In Restricted Working Space, Add</i>	29.92	
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe.....	288.93	80.42
		<i>For Work In Restricted Working Space, Add</i>	36.16	
23 21 13 23-1501 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1456)				
23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe.....	20.17	8.55
		<i>For Work In Restricted Working Space, Add</i>	3.83	
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe.....	23.45	9.66
		<i>For Work In Restricted Working Space, Add</i>	4.32	
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe.....	26.21	10.44
		<i>For Work In Restricted Working Space, Add</i>	4.69	
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe.....	29.85	11.88
		<i>For Work In Restricted Working Space, Add</i>	5.34	
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe.....	37.72	15.11
		<i>For Work In Restricted Working Space, Add</i>	6.81	
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe.....	52.95	20.66
		<i>For Work In Restricted Working Space, Add</i>	9.31	
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe.....	63.12	23.55
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe.....	78.72	26.21
		<i>For Work In Restricted Working Space, Add</i>	11.79	
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe.....	111.97	31.87
		<i>For Work In Restricted Working Space, Add</i>	14.34	
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe.....	150.17	45.98
		<i>For Work In Restricted Working Space, Add</i>	20.66	
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe.....	201.91	52.09
		<i>For Work In Restricted Working Space, Add</i>	23.45	
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe.....	287.75	62.20
		<i>For Work In Restricted Working Space, Add</i>	27.99	
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe.....	340.46	71.41
		<i>For Work In Restricted Working Space, Add</i>	32.14	
23 21 13 23-1515 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1456)				
23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	21.62	9.33
		<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe.....	28.79	9.89
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	28.85	11.00
		<i>For Work In Restricted Working Space, Add</i>	4.95	
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	38.06	13.10
		<i>For Work In Restricted Working Space, Add</i>	5.92	
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe.....	42.76	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.16	
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	60.72	21.88
		<i>For Work In Restricted Working Space, Add</i>	9.83	
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe.....	73.51	24.54
		<i>For Work In Restricted Working Space, Add</i>	11.06	
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe.....	93.66	26.77
		<i>For Work In Restricted Working Space, Add</i>	12.06	
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe.....	142.86	33.66
		<i>For Work In Restricted Working Space, Add</i>	15.16	
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe.....	183.93	48.20
		<i>For Work In Restricted Working Space, Add</i>	21.69	
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe.....	279.70	55.09
		<i>For Work In Restricted Working Space, Add</i>	24.79	
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe.....	332.61	66.53
		<i>For Work In Restricted Working Space, Add</i>	29.92	
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe.....	363.05	80.42
		<i>For Work In Restricted Working Space, Add</i>	36.16	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1529		Painted Grooved-Joint Pipe Fittings (23 21 13 23) Note: Couplings are not included with fittings.		
23 21 13 23-1530		Grooved Elbows (23 21 13 23-1529)		
23 21 13 23-1531		90 Degree Grooved Elbows (23 21 13 23-1530) Note: Victaulic No. 10		
23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	82.72	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	82.72	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	87.26	15.11
		For Work In Restricted Working Space, Add	6.81	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	92.06	18.33
		For Work In Restricted Working Space, Add	8.25	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	100.87	24.21
		For Work In Restricted Working Space, Add	10.89	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	108.78	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	21.31	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	168.31	35.76
		For Work In Restricted Working Space, Add	16.08	
		For Galvanized Fittings, Add	37.85	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	195.68	47.20
		For Work In Restricted Working Space, Add	21.22	
		For Galvanized Fittings, Add	41.23	
23 21 13 23-1540	EA	5", Ductile Iron, Grooved 90 Degree Elbow	392.56	58.97
		For Work In Restricted Working Space, Add	26.53	
		For Galvanized Fittings, Add	100.36	
23 21 13 23-1541	EA	6", Ductile Iron, Grooved 90 Degree Elbow	469.14	77.19
		For Work In Restricted Working Space, Add	34.71	
		For Galvanized Fittings, Add	116.64	
23 21 13 23-1542	EA	8", Ductile Iron, Grooved 90 Degree Elbow	881.62	91.85
		For Work In Restricted Working Space, Add	41.32	
		For Galvanized Fittings, Add	245.48	
23 21 13 23-1543	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,319.66	107.17
		For Work In Restricted Working Space, Add	48.20	
		For Galvanized Fittings, Add	382.46	
23 21 13 23-1544	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,050.49	128.61
		For Work In Restricted Working Space, Add	57.85	
		For Galvanized Fittings, Add	613.03	
23 21 13 23-1545	EA	14", Steel, Grooved 90 Degree Elbow	4,080.96	145.16
		For Work In Restricted Working Space, Add	65.31	
		For Galvanized Fittings, Add	1,274.88	
23 21 13 23-1546	EA	16", Steel, Grooved 90 Degree Elbow	5,296.13	160.71
		For Work In Restricted Working Space, Add	72.30	
		For Galvanized Fittings, Add	1,668.19	
23 21 13 23-1547	EA	18", Steel, Grooved 90 Degree Elbow	6,674.60	175.59
		For Work In Restricted Working Space, Add	78.96	
		For Galvanized Fittings, Add	2,115.76	
23 21 13 23-1548	EA	20", Steel, Grooved 90 Degree Elbow	8,699.04	182.59
		For Work In Restricted Working Space, Add	82.15	
		For Galvanized Fittings, Add	2,780.32	
23 21 13 23-1549	EA	24", Steel, Grooved 90 Degree Elbow	12,447.71	215.91
		For Work In Restricted Working Space, Add	97.08	
		For Galvanized Fittings, Add	4,000.95	
23 21 13 23-1550		45 Degree Grooved Elbows (23 21 13 23-1530) Note: Victaulic No. 11		
23 21 13 23-1551	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	82.68	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	15.49	
23 21 13 23-1552	EA	1", Ductile Iron, Grooved 45 Degree Elbow	82.68	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	15.49	
23 21 13 23-1553	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	87.22	15.11
		For Work In Restricted Working Space, Add	6.81	
		For Galvanized Fittings, Add	15.49	
23 21 13 23-1554	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	92.02	18.33
		For Work In Restricted Working Space, Add	8.25	
		For Galvanized Fittings, Add	15.49	
23 21 13 23-1555	EA	2", Ductile Iron, Grooved 45 Degree Elbow	100.83	24.21
		For Work In Restricted Working Space, Add	10.89	
		For Galvanized Fittings, Add	15.49	
23 21 13 23-1556	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	108.74	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	15.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1557	EA	3", Ductile Iron, Grooved 45 Degree Elbow	168.27	35.76
		For Work In Restricted Working Space, Add	16.08	
		For Galvanized Fittings, Add	27.52	
23 21 13 23-1558	EA	4", Ductile Iron, Grooved 45 Degree Elbow	195.68	47.20
		For Work In Restricted Working Space, Add	21.22	
		For Galvanized Fittings, Add	29.99	
23 21 13 23-1559	EA	5", Ductile Iron, Grooved 45 Degree Elbow	392.56	58.97
		For Work In Restricted Working Space, Add	26.53	
		For Galvanized Fittings, Add	72.99	
23 21 13 23-1560	EA	6", Ductile Iron, Grooved 45 Degree Elbow	469.14	77.19
		For Work In Restricted Working Space, Add	34.71	
		For Galvanized Fittings, Add	84.83	
23 21 13 23-1561	EA	8", Ductile Iron, Grooved 45 Degree Elbow	881.62	91.85
		For Work In Restricted Working Space, Add	41.32	
		For Galvanized Fittings, Add	178.53	
23 21 13 23-1562	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,319.66	107.17
		For Work In Restricted Working Space, Add	48.20	
		For Galvanized Fittings, Add	278.16	
23 21 13 23-1563	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,050.49	128.61
		For Work In Restricted Working Space, Add	57.85	
		For Galvanized Fittings, Add	445.84	
23 21 13 23-1564	EA	14", Steel, Grooved 45 Degree Elbow	4,080.96	145.16
		For Work In Restricted Working Space, Add	65.31	
		For Galvanized Fittings, Add	927.18	
23 21 13 23-1565	EA	16", Steel, Grooved 45 Degree Elbow	5,296.13	160.71
		For Work In Restricted Working Space, Add	72.30	
		For Galvanized Fittings, Add	1,213.23	
23 21 13 23-1566	EA	18", Steel, Grooved 45 Degree Elbow	6,674.60	175.59
		For Work In Restricted Working Space, Add	78.96	
		For Galvanized Fittings, Add	1,538.73	
23 21 13 23-1567	EA	20", Steel, Grooved 45 Degree Elbow	8,699.54	182.93
		For Work In Restricted Working Space, Add	82.30	
		For Galvanized Fittings, Add	2,022.05	
23 21 13 23-1568	EA	24", Steel, Grooved 45 Degree Elbow	12,447.71	215.91
		For Work In Restricted Working Space, Add	97.08	
		For Galvanized Fittings, Add	2,909.78	
23 21 13 23-1569		22-1/2 Degree Grooved Elbows (23 21 13 23-1530)		
		Note: Victaulic No. 12		
23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	86.92	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	16.50	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	91.46	15.11
		For Work In Restricted Working Space, Add	6.81	
		For Galvanized Fittings, Add	16.50	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	96.26	18.33
		For Work In Restricted Working Space, Add	8.25	
		For Galvanized Fittings, Add	16.50	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	105.07	24.21
		For Work In Restricted Working Space, Add	10.89	
		For Galvanized Fittings, Add	16.50	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	112.98	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	16.50	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	154.19	35.76
		For Work In Restricted Working Space, Add	16.08	
		For Galvanized Fittings, Add	24.14	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	205.62	47.20
		For Work In Restricted Working Space, Add	21.22	
		For Galvanized Fittings, Add	32.37	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	506.71	58.97
		For Work In Restricted Working Space, Add	26.53	
		For Galvanized Fittings, Add	100.39	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	497.80	77.19
		For Work In Restricted Working Space, Add	34.71	
		For Galvanized Fittings, Add	91.71	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	937.23	91.85
		For Work In Restricted Working Space, Add	41.32	
		For Galvanized Fittings, Add	191.88	
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,258.29	107.17
		For Work In Restricted Working Space, Add	48.20	
		For Galvanized Fittings, Add	263.43	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,676.70	128.61
		For Work In Restricted Working Space, Add	57.85	
		For Galvanized Fittings, Add	356.13	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,931.60	145.16
		For Work In Restricted Working Space, Add	65.31	
		For Galvanized Fittings, Add	411.34	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,296.60	160.71
		For Work In Restricted Working Space, Add	72.30	
		For Galvanized Fittings, Add	493.34	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,752.70	175.59
		For Work In Restricted Working Space, Add	78.96	
		For Galvanized Fittings, Add	597.48	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1585	EA		20", Steel, Grooved 22-1/2 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,217.06 82.15 706.38	182.59
23 21 13 23-1586	EA		24", Steel, Grooved 22-1/2 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,278.69 97.08 949.22	215.91
23 21 13 23-1587			11-1/4 Degree Grooved Elbows (23 21 13 23-1530) Note: Victaulic No. 13		
23 21 13 23-1588	EA		1", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	86.93 5.45 16.51	12.11
23 21 13 23-1589	EA		1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	91.47 6.81 16.51	15.11
23 21 13 23-1590	EA		1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	96.27 8.25 16.51	18.33
23 21 13 23-1591	EA		2", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	105.08 10.89 16.51	24.21
23 21 13 23-1592	EA		2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	112.99 13.26 16.51	29.55
23 21 13 23-1593	EA		3", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	154.18 16.08 24.14	35.76
23 21 13 23-1594	EA		4", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	205.61 21.22 32.37	47.20
23 21 13 23-1595	EA		5", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	506.68 26.53 100.38	58.97
23 21 13 23-1596	EA		6", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	497.78 34.71 91.70	77.19
23 21 13 23-1597	EA		8", Ductile Iron, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	937.18 41.32 191.87	91.85
23 21 13 23-1598	EA		10", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,258.23 48.20 263.41	107.17
23 21 13 23-1599	EA		12", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,676.62 57.85 356.11	128.61
23 21 13 23-1600	EA		14", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,931.52 65.31 411.31	145.16
23 21 13 23-1601	EA		16", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,296.53 72.31 493.32	160.82
23 21 13 23-1602	EA		18", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,752.54 78.96 597.44	175.59
23 21 13 23-1603	EA		20", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,216.90 82.15 706.34	182.59
23 21 13 23-1604	EA		24", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,278.48 97.08 949.17	215.91
23 21 13 23-1605			90 Degree Grooved Long Radius Elbows (23 21 13 23-1530) Note: Victaulic No. 100		
23 21 13 23-1606	EA		2", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	183.92 10.89 35.43	24.21
23 21 13 23-1607	EA		2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	472.55 13.26 102.80	29.55
23 21 13 23-1608	EA		3", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	201.22 16.08 35.43	35.76
23 21 13 23-1609	EA		4", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	291.88 21.22 53.07	47.20
23 21 13 23-1610	EA		5", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,221.89 26.53 272.03	58.97
23 21 13 23-1611	EA		6", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	762.60 34.71 155.26	77.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1612	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,689.45	91.85
		<i>For Work In Restricted Working Space, Add</i>	41.32	
		<i>For Galvanized Fittings, Add</i>	372.41	
23 21 13 23-1613	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,378.05	107.17
		<i>For Work In Restricted Working Space, Add</i>	48.20	
		<i>For Galvanized Fittings, Add</i>	772.17	
23 21 13 23-1614	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,029.54	128.61
		<i>For Work In Restricted Working Space, Add</i>	57.85	
		<i>For Galvanized Fittings, Add</i>	920.81	
23 21 13 23-1615 Grooved Tees, Wytes And Crosses (23 21 13 23-1529)				
23 21 13 23-1616 Grooved Tees (23 21 13 23-1615)				
		Note: Victaulic No. 20		
23 21 13 23-1617	EA	3/4", Ductile Iron, Grooved Tee.....	122.55	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.16	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1618	EA	1", Ductile Iron, Grooved Tee.....	126.16	18.33
		<i>For Work In Restricted Working Space, Add</i>	8.25	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1619	EA	1-1/4", Ductile Iron, Grooved Tee	132.28	22.44
		<i>For Work In Restricted Working Space, Add</i>	10.08	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1620	EA	1-1/2", Ductile Iron, Grooved Tee	139.92	27.54
		<i>For Work In Restricted Working Space, Add</i>	12.38	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1621	EA	2", Ductile Iron, Grooved Tee.....	152.05	35.65
		<i>For Work In Restricted Working Space, Add</i>	16.01	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1622	EA	2-1/2", Ductile Iron, Grooved Tee	164.17	43.65
		<i>For Work In Restricted Working Space, Add</i>	19.65	
		<i>For Galvanized Fittings, Add</i>	29.60	
23 21 13 23-1623	EA	3", Ductile Iron, Grooved Tee.....	218.60	53.65
		<i>For Work In Restricted Working Space, Add</i>	24.11	
		<i>For Galvanized Fittings, Add</i>	41.47	
23 21 13 23-1624	EA	4", Ductile Iron, Grooved Tee.....	316.05	69.42
		<i>For Work In Restricted Working Space, Add</i>	31.21	
		<i>For Galvanized Fittings, Add</i>	63.61	
23 21 13 23-1625	EA	5", Ductile Iron, Grooved Tee.....	633.48	90.74
		<i>For Work In Restricted Working Space, Add</i>	40.82	
		<i>For Galvanized Fittings, Add</i>	149.23	
23 21 13 23-1626	EA	6", Ductile Iron, Grooved Tee.....	745.03	113.51
		<i>For Work In Restricted Working Space, Add</i>	51.04	
		<i>For Galvanized Fittings, Add</i>	172.47	
23 21 13 23-1627	EA	8", Ductile Iron, Grooved Tee.....	1,462.38	137.83
		<i>For Work In Restricted Working Space, Add</i>	61.98	
		<i>For Galvanized Fittings, Add</i>	376.74	
23 21 13 23-1628	EA	10", Ductile Iron, Grooved Tee.....	2,483.51	160.71
		<i>For Work In Restricted Working Space, Add</i>	72.31	
		<i>For Galvanized Fittings, Add</i>	672.75	
23 21 13 23-1629	EA	12", Ductile Iron, Grooved Tee.....	3,428.72	192.92
		<i>For Work In Restricted Working Space, Add</i>	86.77	
		<i>For Galvanized Fittings, Add</i>	941.85	
23 21 13 23-1630	EA	14", Steel, Grooved Tee	3,746.26	214.36
		<i>For Work In Restricted Working Space, Add</i>	96.41	
		<i>For Galvanized Fittings, Add</i>	1,027.47	
23 21 13 23-1631	EA	16", Steel, Grooved Tee	4,685.86	215.57
		<i>For Work In Restricted Working Space, Add</i>	96.96	
		<i>For Galvanized Fittings, Add</i>	1,308.80	
23 21 13 23-1632	EA	18", Steel, Grooved Tee	5,820.00	237.79
		<i>For Work In Restricted Working Space, Add</i>	106.94	
		<i>For Galvanized Fittings, Add</i>	1,639.06	
23 21 13 23-1633	EA	20", Steel, Grooved Tee	8,190.43	241.57
		<i>For Work In Restricted Working Space, Add</i>	108.63	
		<i>For Galvanized Fittings, Add</i>	2,348.50	
23 21 13 23-1634	EA	24", Steel, Grooved Tee	12,472.88	296.77
		<i>For Work In Restricted Working Space, Add</i>	133.49	
		<i>For Galvanized Fittings, Add</i>	3,608.37	
23 21 13 23-1635 Grooved Wytes (90 Degree True Wye) (23 21 13 23-1615)				
		Note: Victaulic No. 33		
23 21 13 23-1636	EA	1", Steel, Grooved Wye	443.81	18.33
		<i>For Work In Restricted Working Space, Add</i>	8.25	
		<i>For Galvanized Fittings, Add</i>	66.61	
23 21 13 23-1637	EA	1-1/4", Steel, Grooved Wye	449.93	22.44
		<i>For Work In Restricted Working Space, Add</i>	10.08	
		<i>For Galvanized Fittings, Add</i>	66.61	
23 21 13 23-1638	EA	1-1/2", Steel, Grooved Wye	457.57	27.54
		<i>For Work In Restricted Working Space, Add</i>	12.38	
		<i>For Galvanized Fittings, Add</i>	66.61	
23 21 13 23-1639	EA	2", Steel, Grooved Wye	469.70	35.65
		<i>For Work In Restricted Working Space, Add</i>	16.01	
		<i>For Galvanized Fittings, Add</i>	66.61	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1640	EA	2-1/2"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	481.82 19.65 66.61	43.65
23 21 13 23-1641	EA	3"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	578.02 24.11 79.62	53.65
23 21 13 23-1642	EA	4"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	755.85 31.21 104.29	69.42
23 21 13 23-1643	EA	5"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,070.34 40.82 149.49	90.74
23 21 13 23-1644	EA	6"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,326.12 51.04 184.96	113.51
23 21 13 23-1645	EA	8"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,871.52 61.98 266.39	137.83
23 21 13 23-1646	EA	10"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,114.67 72.31 459.78	160.71
23 21 13 23-1647	EA	12"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,463.94 86.77 507.95	192.92
23 21 13 23-1648	EA	14"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,946.54 96.41 580.03	214.36
23 21 13 23-1649	EA	16"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,031.49 96.86 753.38	215.35
23 21 13 23-1650	EA	18"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,743.00 107.07 861.78	238.01
23 21 13 23-1651	EA	20"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	8,173.24 108.46 1,249.87	241.12
23 21 13 23-1652	EA	24"	Steel, Grooved Wye For Work In Restricted Working Space, Add For Galvanized Fittings, Add	12,589.97 133.49 1,943.20	296.77
23 21 13 23-1653	Grooved Crosses (23 21 13 23-1615) Note: Victaulic No. 35				
23 21 13 23-1654	EA	3/4"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	305.35 10.75 40.43	23.88
23 21 13 23-1655	EA	1"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	310.78 12.38 40.43	27.54
23 21 13 23-1656	EA	1-1/4"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	375.72 15.12 48.80	33.66
23 21 13 23-1657	EA	1-1/2"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	412.39 18.56 52.58	41.32
23 21 13 23-1658	EA	2"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	278.16 24.02 29.72	53.43
23 21 13 23-1659	EA	2-1/2"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	296.35 29.48 29.72	65.53
23 21 13 23-1660	EA	3"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	476.55 36.17 53.40	80.42
23 21 13 23-1661	EA	4"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	748.61 46.82 88.88	104.07
23 21 13 23-1662	EA	5"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,414.61 61.22 181.58	136.06
23 21 13 23-1663	EA	6"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,812.71 76.56 233.63	170.27
23 21 13 23-1664	EA	8"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,361.13 92.97 307.69	206.69
23 21 13 23-1665	EA	10"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,860.04 108.46 524.78	241.12
23 21 13 23-1666	EA	12"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,482.47 130.16 757.29	289.43
23 21 13 23-1667	EA	14"	Steel, Grooved Cross For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,712.68 144.62 784.59	321.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1668	EA	16", Steel, Grooved Cross	7,327.34	323.42
		For Work In Restricted Working Space, Add	145.45	
		For Galvanized Fittings, Add	1,026.38	
23 21 13 23-1669	EA	18", Steel, Grooved Cross	8,921.99	356.63
		For Work In Restricted Working Space, Add	160.41	
		For Galvanized Fittings, Add	1,258.10	
23 21 13 23-1670	EA	20", Steel, Grooved Cross	12,425.48	362.19
		For Work In Restricted Working Space, Add	162.92	
		For Galvanized Fittings, Add	1,782.36	
23 21 13 23-1671	EA	24", Steel, Grooved Cross	19,011.30	445.15
		For Work In Restricted Working Space, Add	200.24	
		For Galvanized Fittings, Add	2,751.58	
23 21 13 23-1672 Grooved Reducing Tees (23 21 13 23-1615)				
		Note: Victaulic No. 25		
23 21 13 23-1673	EA	1", Steel, Grooved Reducing Tee	217.87	18.33
		For Work In Restricted Working Space, Add	8.25	
		For Galvanized Fittings, Add	38.08	
23 21 13 23-1674	EA	1-1/4", Steel, Grooved Reducing Tee	229.97	22.44
		For Work In Restricted Working Space, Add	10.08	
		For Galvanized Fittings, Add	39.27	
23 21 13 23-1675	EA	1-1/2", Steel, Grooved Reducing Tee	242.50	27.54
		For Work In Restricted Working Space, Add	12.38	
		For Galvanized Fittings, Add	40.25	
23 21 13 23-1676	EA	2", Steel, Grooved Reducing Tee	288.99	35.65
		For Work In Restricted Working Space, Add	16.01	
		For Galvanized Fittings, Add	47.12	
23 21 13 23-1677	EA	2-1/2", Steel, Grooved Reducing Tee	325.36	43.65
		For Work In Restricted Working Space, Add	19.65	
		For Galvanized Fittings, Add	51.97	
23 21 13 23-1678	EA	3", Steel, Grooved Reducing Tee	364.81	53.65
		For Work In Restricted Working Space, Add	24.11	
		For Galvanized Fittings, Add	56.89	
23 21 13 23-1679	EA	4", Steel, Grooved Reducing Tee	487.62	69.42
		For Work In Restricted Working Space, Add	31.21	
		For Galvanized Fittings, Add	76.72	
23 21 13 23-1680	EA	5", Steel, Grooved Reducing Tee	642.55	90.74
		For Work In Restricted Working Space, Add	40.82	
		For Galvanized Fittings, Add	101.30	
23 21 13 23-1681	EA	6", Steel, Grooved Reducing Tee	882.66	113.51
		For Work In Restricted Working Space, Add	51.04	
		For Galvanized Fittings, Add	142.50	
23 21 13 23-1682	EA	8", Steel, Grooved Reducing Tee	1,382.25	137.83
		For Work In Restricted Working Space, Add	61.98	
		For Galvanized Fittings, Add	235.13	
23 21 13 23-1683	EA	10", Steel, Grooved Reducing Tee	1,974.19	160.71
		For Work In Restricted Working Space, Add	72.31	
		For Galvanized Fittings, Add	346.63	
23 21 13 23-1684	EA	12", Steel, Grooved Reducing Tee	2,845.94	192.92
		For Work In Restricted Working Space, Add	86.77	
		For Galvanized Fittings, Add	511.34	
23 21 13 23-1685	EA	14", Steel, Grooved Reducing Tee	3,225.25	214.36
		For Work In Restricted Working Space, Add	96.41	
		For Galvanized Fittings, Add	580.78	
23 21 13 23-1686	EA	16", Steel, Grooved Reducing Tee	4,095.30	215.57
		For Work In Restricted Working Space, Add	96.97	
		For Galvanized Fittings, Add	754.41	
23 21 13 23-1687	EA	18", Steel, Grooved Reducing Tee	4,974.38	237.79
		For Work In Restricted Working Space, Add	106.93	
		For Galvanized Fittings, Add	923.59	
23 21 13 23-1688	EA	20", Steel, Grooved Reducing Tee	6,966.51	241.46
		For Work In Restricted Working Space, Add	108.60	
		For Galvanized Fittings, Add	1,320.90	
23 21 13 23-1689	EA	24", Steel, Grooved Reducing Tee	11,083.46	296.77
		For Work In Restricted Working Space, Add	133.49	
		For Galvanized Fittings, Add	2,127.70	
23 21 13 23-1690 Grooved 45 Degree Lateral Wyes (23 21 13 23-1615)				
		Note: Victaulic No. 30		
23 21 13 23-1691	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	418.13	15.88
		For Work In Restricted Working Space, Add	7.16	
		For Galvanized Fittings, Add	70.97	
23 21 13 23-1692	EA	1", Steel, Grooved, 45 Degree Lateral Wye	421.74	18.33
		For Work In Restricted Working Space, Add	8.25	
		For Galvanized Fittings, Add	70.97	
23 21 13 23-1693	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	427.86	22.44
		For Work In Restricted Working Space, Add	10.08	
		For Galvanized Fittings, Add	70.97	
23 21 13 23-1694	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	435.50	27.54
		For Work In Restricted Working Space, Add	12.38	
		For Galvanized Fittings, Add	70.97	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1695	EA	2"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	447.63 16.01 70.97	35.65
23 21 13 23-1696	EA	2-1/2"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	459.75 19.65 70.97	43.65
23 21 13 23-1697	EA	3"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	420.98 24.11 61.31	53.65
23 21 13 23-1698	EA	3-1/2"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	669.73 27.80 103.87	61.86
23 21 13 23-1699	EA	4"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	775.74 31.21 120.91	69.42
23 21 13 23-1700	EA	5"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,117.73 40.82 176.70	90.74
23 21 13 23-1701	EA	6"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,751.80 51.04 284.70	113.51
23 21 13 23-1702	EA	8"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,484.77 61.98 410.07	137.83
23 21 13 23-1703	EA	10"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,456.61 72.31 578.81	160.71
23 21 13 23-1704	EA	12"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,177.03 86.77 699.80	192.92
23 21 13 23-1705	EA	14"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,995.86 96.41 1,021.41	214.36
23 21 13 23-1706	EA	16"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	7,412.20 96.97 1,276.01	215.57
23 21 13 23-1707	EA	18"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	8,281.03 106.93 1,426.43	237.79
23 21 13 23-1708	EA	20"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	12,382.31 108.60 2,163.65	241.46
23 21 13 23-1709	EA	24"	Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	19,123.62 133.49 3,362.16	296.77
23 21 13 23-1710 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1615)					
Note: Victaulic No. 30R					
23 21 13 23-1711	EA	3"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	420.98 24.11 44.28	53.65
23 21 13 23-1712	EA	4"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	775.74 31.21 87.32	69.42
23 21 13 23-1713	EA	5"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,117.73 40.82 127.62	90.74
23 21 13 23-1714	EA	6"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,438.47 51.04 164.88	113.51
23 21 13 23-1715	EA	8"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,037.55 61.98 238.02	137.83
23 21 13 23-1716	EA	10"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,483.43 72.31 291.51	160.71
23 21 13 23-1717	EA	12"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,014.31 86.77 354.26	192.92
23 21 13 23-1718	EA	14"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,374.14 96.41 396.86	214.36
23 21 13 23-1719	EA	16"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,269.22 96.97 512.98	215.57
23 21 13 23-1720	EA	18"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,415.49 106.93 787.68	237.79
23 21 13 23-1721	EA	20"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	9,230.89 108.60 1,152.95	241.46
23 21 13 23-1722	EA	24"	Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	14,804.02 133.49 1,866.68	296.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1723		Mechanical-T Outlet (23 21 13 23-1615)		
		Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	145.53	39.98
		For Work In Restricted Working Space, Add	23.99	
		For Galvanized Fittings, Add	16.26	
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	145.53	39.98
		For Work In Restricted Working Space, Add	23.99	
		For Galvanized Fittings, Add	16.26	
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	155.76	39.98
		For Work In Restricted Working Space, Add	23.99	
		For Galvanized Fittings, Add	18.80	
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	155.76	39.98
		For Work In Restricted Working Space, Add	23.99	
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	155.53	44.98
		For Work In Restricted Working Space, Add	26.99	
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	155.53	44.98
		For Work In Restricted Working Space, Add	26.99	
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	182.55	44.98
		For Work In Restricted Working Space, Add	26.99	
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	175.46	49.98
		For Work In Restricted Working Space, Add	29.99	
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	175.46	49.98
		For Work In Restricted Working Space, Add	29.99	
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	197.22	49.98
		For Work In Restricted Working Space, Add	29.99	
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	197.22	49.98
		For Work In Restricted Working Space, Add	29.99	
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	212.12	49.98
		For Work In Restricted Working Space, Add	29.99	
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	229.54	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	229.54	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	246.53	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	251.30	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	251.30	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	256.07	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	265.21	66.64
		For Work In Restricted Working Space, Add	39.98	
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	328.20	91.62
		For Work In Restricted Working Space, Add	54.98	
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	328.20	91.62
		For Work In Restricted Working Space, Add	54.98	
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	336.45	91.62
		For Work In Restricted Working Space, Add	54.98	
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.78	91.62
		For Work In Restricted Working Space, Add	54.98	
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	381.56	116.62
		For Work In Restricted Working Space, Add	69.97	
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	381.56	116.62
		For Work In Restricted Working Space, Add	69.97	
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	393.68	116.62
		For Work In Restricted Working Space, Add	69.97	
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	403.91	116.62
		For Work In Restricted Working Space, Add	69.97	
23 21 13 23-1751	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	422.09	116.62
		For Work In Restricted Working Space, Add	69.97	
23 21 13 23-1752	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	571.22	154.37
		For Work In Restricted Working Space, Add	92.63	
23 21 13 23-1753	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	571.22	154.37
		For Work In Restricted Working Space, Add	92.63	
23 21 13 23-1754	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	585.82	154.37
		For Work In Restricted Working Space, Add	92.63	
23 21 13 23-1755	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	594.47	154.37
		For Work In Restricted Working Space, Add	92.63	
23 21 13 23-1756		Installation-Ready™ Grooved Fittings (23 21 13 23-1629)		
23 21 13 23-1757		Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1756)		
		Note: Victaulic No. 101		
23 21 13 23-1758	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	278.09	11.00
		For Work In Restricted Working Space, Add	5.00	
		For Galvanized Fittings, Add	86.27	
		For Galvanized Fittings, Add	66.93	
23 21 13 23-1759	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	289.11	13.19
		For Work In Restricted Working Space, Add	6.00	
		For Galvanized Fittings, Add	88.81	
		For Galvanized Fittings, Add	68.89	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21 13 23-1760	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	297.71	17.59
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized Fittings, Add	89.45	
		For Galvanized Fittings, Add	69.39	
23 21 13 23-1761	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	360.11	21.99
		For Work In Restricted Working Space, Add	10.00	
		For Galvanized Fittings, Add	107.84	
		For Galvanized Fittings, Add	83.66	
23 21 13 23-1762		Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1756)		
		Note: Victaulic No. 103		
23 21 13 23-1763	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	278.09	11.00
		For Work In Restricted Working Space, Add	5.00	
		For Galvanized Fittings, Add	62.74	
		For Galvanized Fittings, Add	66.93	
23 21 13 23-1764	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	289.11	13.19
		For Work In Restricted Working Space, Add	6.00	
		For Galvanized Fittings, Add	64.59	
		For Galvanized Fittings, Add	68.89	
23 21 13 23-1765	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	297.71	17.59
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized Fittings, Add	65.05	
		For Galvanized Fittings, Add	69.39	
23 21 13 23-1766	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	360.11	21.99
		For Work In Restricted Working Space, Add	10.00	
		For Galvanized Fittings, Add	78.43	
		For Galvanized Fittings, Add	83.66	
23 21 13 23-1767		Installation-Ready™ Grooved Tees (23 21 13 23-1756)		
		Note: Victaulic No. 102		
23 21 13 23-1768	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	425.91	14.66
		For Work In Restricted Working Space, Add	6.67	
		For Galvanized Fittings, Add	121.11	
		For Galvanized Fittings, Add	103.34	
23 21 13 23-1769	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	443.80	17.59
		For Work In Restricted Working Space, Add	8.00	
		For Galvanized Fittings, Add	125.14	
		For Galvanized Fittings, Add	106.79	
23 21 13 23-1770	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	458.45	23.45
		For Work In Restricted Working Space, Add	10.66	
		For Galvanized Fittings, Add	126.87	
		For Galvanized Fittings, Add	108.26	
23 21 13 23-1771	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	532.69	29.32
		For Work In Restricted Working Space, Add	13.33	
		For Galvanized Fittings, Add	146.48	
		For Galvanized Fittings, Add	125.00	
23 21 13 23-1772		Grooved Fittings (23 21 13 23-1529)		
23 21 13 23-1773		Flanged Adapter Nipple, Grooved (23 21 13 23-1772)		
		Note: Victaulic No. 41 and 45		
23 21 13 23-1774	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	297.45	13.32
		For Work In Restricted Working Space, Add	6.00	
		For Galvanized Fittings, Add	49.94	
		For 300 Lb. Rating, Add	41.62	
23 21 13 23-1775	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	299.68	14.77
		For Work In Restricted Working Space, Add	6.67	
		For Galvanized Fittings, Add	49.94	
		For 300 Lb. Rating, Add	41.62	
23 21 13 23-1776	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	305.23	18.55
		For Work In Restricted Working Space, Add	8.33	
		For Galvanized Fittings, Add	49.94	
		For 300 Lb. Rating, Add	41.62	
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	316.91	26.32
		For Work In Restricted Working Space, Add	11.84	
		For Galvanized Fittings, Add	49.94	
		For 300 Lb. Rating, Add	41.62	
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	325.26	31.87
		For Work In Restricted Working Space, Add	14.34	
		For Galvanized Fittings, Add	49.94	
		For 300 Lb. Rating, Add	41.62	
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	412.08	38.10
		For Work In Restricted Working Space, Add	17.12	
		For Galvanized Fittings, Add	63.91	
		For 300 Lb. Rating, Add	53.25	
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	500.29	51.31
		For Work In Restricted Working Space, Add	23.07	
		For Galvanized Fittings, Add	76.21	
		For 300 Lb. Rating, Add	63.51	
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	698.10	62.09
		For Work In Restricted Working Space, Add	27.92	
		For Galvanized Fittings, Add	108.90	
		For 300 Lb. Rating, Add	90.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	816.04	83.85
		For Work In Restricted Working Space, Add	37.73	
		For Galvanized Fittings, Add	124.25	
		For 300 Lb. Rating, Add	103.54	
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,122.97	113.51
		For Work In Restricted Working Space, Add	51.04	
		For Galvanized Fittings, Add	171.51	
		For 300 Lb. Rating, Add	142.92	
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,761.47	137.83
		For Work In Restricted Working Space, Add	61.98	
		For Galvanized Fittings, Add	279.88	
		For 300 Lb. Rating, Add	233.23	
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,367.03	160.71
		For Work In Restricted Working Space, Add	72.31	
		For Galvanized Fittings, Add	382.68	
		For 300 Lb. Rating, Add	318.90	
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,796.37	192.92
		For Work In Restricted Working Space, Add	86.77	
		For Galvanized Fittings, Add	451.29	
		For 300 Lb. Rating, Add	376.07	
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,182.41	214.36
		For Work In Restricted Working Space, Add	96.41	
		For Galvanized Fittings, Add	694.99	
		For 300 Lb. Rating, Add	579.16	
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,017.16	321.53
		For Work In Restricted Working Space, Add	144.62	
		For Galvanized Fittings, Add	816.32	
		For 300 Lb. Rating, Add	680.27	
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,305.52	385.84
		For Work In Restricted Working Space, Add	173.54	
		For Galvanized Fittings, Add	850.87	
		For 300 Lb. Rating, Add	709.06	
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	8,797.49	428.71
		For Work In Restricted Working Space, Add	192.82	
		For Galvanized Fittings, Add	1,467.86	
		For 300 Lb. Rating, Add	1,223.21	
23 21 13 23-1791		Grooved Concentric Reducers (23 21 13 23-1772)		
		Note: Victaulic No. 50		
23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer.....	315.93	13.32
		For Work In Restricted Working Space, Add	6.00	
		For Galvanized Fittings, Add	13.02	
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer.....	330.38	14.11
		For Work In Restricted Working Space, Add	6.33	
		For Galvanized Fittings, Add	13.61	
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer.....	372.07	15.22
		For Work In Restricted Working Space, Add	6.83	
		For Galvanized Fittings, Add	41.99	
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer.....	98.68	15.88
		For Work In Restricted Working Space, Add	7.16	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer.....	314.50	16.66
		For Work In Restricted Working Space, Add	7.50	
		For Galvanized Fittings, Add	34.80	
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer.....	102.01	18.11
		For Work In Restricted Working Space, Add	8.16	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer.....	103.12	18.88
		For Work In Restricted Working Space, Add	8.50	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer.....	111.75	19.66
		For Work In Restricted Working Space, Add	8.83	
		For Galvanized Fittings, Add	9.89	
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer.....	107.63	21.88
		For Work In Restricted Working Space, Add	9.85	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer.....	639.41	20.43
		For Work In Restricted Working Space, Add	9.19	
		For Galvanized Fittings, Add	73.17	
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer.....	509.28	21.21
		For Work In Restricted Working Space, Add	9.52	
		For Galvanized Fittings, Add	57.40	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer.....	465.13	21.88
		For Work In Restricted Working Space, Add	9.85	
		For Galvanized Fittings, Add	51.96	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer.....	110.89	24.10
		For Work In Restricted Working Space, Add	10.83	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer.....	115.33	26.99
		For Work In Restricted Working Space, Add	12.16	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer.....	648.31	23.77
		For Work In Restricted Working Space, Add	10.68	
		For Galvanized Fittings, Add	93.13	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1807	EA		3" x 1", Grooved Concentric Reducer	119.21	24.43
			For Work In Restricted Working Space, Add	10.98	
			For Galvanized Fittings, Add	12.56	
23 21 13 23-1808	EA		3" x 1-1/4", Grooved Concentric Reducer	512.32	25.21
			For Work In Restricted Working Space, Add	11.32	
			For Galvanized Fittings, Add	72.14	
23 21 13 23-1809	EA		3" x 1-1/2", Grooved Concentric Reducer	481.52	26.99
			For Work In Restricted Working Space, Add	12.16	
			For Galvanized Fittings, Add	67.03	
23 21 13 23-1810	EA		3" x 2", Grooved Concentric Reducer	110.59	29.99
			For Work In Restricted Working Space, Add	13.49	
			For Galvanized Fittings, Add	9.97	
23 21 13 23-1811	EA		3" x 2-1/2", Grooved Concentric Reducer	144.01	35.76
			For Work In Restricted Working Space, Add	16.08	
			For Galvanized Fittings, Add	13.74	
23 21 13 23-1812	EA		3-1/2" x 3", Grooved Concentric Reducer	154.09	38.54
			For Work In Restricted Working Space, Add	17.33	
			For Galvanized Fittings, Add	14.64	
23 21 13 23-1813	EA		4" x 1", Grooved Concentric Reducer	144.84	30.32
			For Work In Restricted Working Space, Add	13.66	
			For Galvanized Fittings, Add	17.03	
23 21 13 23-1814	EA		4" x 1-1/4", Grooved Concentric Reducer	831.70	31.10
			For Work In Restricted Working Space, Add	14.00	
			For Galvanized Fittings, Add	134.64	
23 21 13 23-1815	EA		4" x 1-1/2", Grooved Concentric Reducer	649.61	32.98
			For Work In Restricted Working Space, Add	14.83	
			For Galvanized Fittings, Add	102.93	
23 21 13 23-1816	EA		4" x 2", Grooved Concentric Reducer	141.22	35.98
			For Work In Restricted Working Space, Add	16.16	
			For Galvanized Fittings, Add	14.98	
23 21 13 23-1817	EA		4" x 2-1/2", Grooved Concentric Reducer	167.25	38.54
			For Work In Restricted Working Space, Add	17.33	
			For Galvanized Fittings, Add	18.78	
23 21 13 23-1818	EA		4" x 3", Grooved Concentric Reducer	171.68	41.54
			For Work In Restricted Working Space, Add	18.66	
			For Galvanized Fittings, Add	18.78	
23 21 13 23-1819	EA		4" x 3-1/2", Grooved Concentric Reducer	176.13	44.42
			For Work In Restricted Working Space, Add	20.00	
			For Galvanized Fittings, Add	18.78	
23 21 13 23-1820	EA		5" x 2", Grooved Concentric Reducer	1,167.56	41.87
			For Work In Restricted Working Space, Add	18.83	
			For Galvanized Fittings, Add	189.47	
23 21 13 23-1821	EA		5" x 2-1/2", Grooved Concentric Reducer	923.83	44.42
			For Work In Restricted Working Space, Add	20.00	
			For Galvanized Fittings, Add	147.01	
23 21 13 23-1822	EA		5" x 3", Grooved Concentric Reducer	199.25	47.42
			For Work In Restricted Working Space, Add	21.33	
			For Galvanized Fittings, Add	21.98	
23 21 13 23-1823	EA		5" x 4", Grooved Concentric Reducer	233.03	53.31
			For Work In Restricted Working Space, Add	23.99	
			For Galvanized Fittings, Add	26.25	
23 21 13 23-1824	EA		6" x 1", Grooved Concentric Reducer	271.31	45.21
			For Work In Restricted Working Space, Add	20.33	
			For Galvanized Fittings, Add	37.98	
23 21 13 23-1825	EA		6" x 1-1/2", Grooved Concentric Reducer	1,233.25	47.76
			For Work In Restricted Working Space, Add	21.49	
			For Galvanized Fittings, Add	216.76	
23 21 13 23-1826	EA		6" x 2", Grooved Concentric Reducer	279.62	50.76
			For Work In Restricted Working Space, Add	22.82	
			For Galvanized Fittings, Add	37.98	
23 21 13 23-1827	EA		6" x 2-1/2", Grooved Concentric Reducer	1,248.21	53.31
			For Work In Restricted Working Space, Add	23.99	
			For Galvanized Fittings, Add	217.99	
23 21 13 23-1828	EA		6" x 3", Grooved Concentric Reducer	287.97	56.31
			For Work In Restricted Working Space, Add	25.33	
			For Galvanized Fittings, Add	37.98	
23 21 13 23-1829	EA		6" x 4", Grooved Concentric Reducer	270.57	62.20
			For Work In Restricted Working Space, Add	27.99	
			For Galvanized Fittings, Add	33.08	
23 21 13 23-1830	EA		6" x 5", Grooved Concentric Reducer	364.44	68.19
			For Work In Restricted Working Space, Add	30.66	
			For Galvanized Fittings, Add	48.93	
23 21 13 23-1831	EA		8" x 3", Grooved Concentric Reducer	459.23	63.75
			For Work In Restricted Working Space, Add	28.65	
			For Galvanized Fittings, Add	67.87	
23 21 13 23-1832	EA		8" x 4", Grooved Concentric Reducer	468.10	69.64
			For Work In Restricted Working Space, Add	31.31	
			For Galvanized Fittings, Add	67.87	
23 21 13 23-1833	EA		8" x 5", Grooved Concentric Reducer	477.01	75.52
			For Work In Restricted Working Space, Add	33.99	
			For Galvanized Fittings, Add	67.87	
23 21 13 23-1834	EA		8" x 6", Grooved Concentric Reducer	590.43	84.41
			For Work In Restricted Working Space, Add	37.98	
			For Galvanized Fittings, Add	86.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1835 EA 10" x 4", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	982.06 34.82 161.59	77.41
23 21 13 23-1836 EA 10" x 5", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,033.88 37.49 356.20	83.30
23 21 13 23-1837 EA 10" x 6", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,085.28 41.48 176.71	92.19
23 21 13 23-1838 EA 10" x 8", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,096.36 44.81 176.71	99.62
23 21 13 23-1839 EA 12" x 4", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,998.85 39.65 430.00	88.19
23 21 13 23-1840 EA 12" x 6", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,283.84 46.30 169.43	102.95
23 21 13 23-1841 EA 12" x 8", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,862.15 49.64 254.50	110.40
23 21 13 23-1842 EA 12" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,873.88 53.16 254.50	118.17
23 21 13 23-1843 EA 14" x 6", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,923.16 49.91 176.73	110.95
23 21 13 23-1844 EA 14" x 8", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,556.55 53.26 103.74	118.39
23 21 13 23-1845 EA 14" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,042.20 56.74 87.59	126.17
23 21 13 23-1846 EA 14" x 12", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,058.28 61.57 87.59	136.83
23 21 13 23-1847 EA 16" x 8", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,395.63 56.82 159.83	126.28
23 21 13 23-1848 EA 16" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,014.51 60.32 147.77	134.05
23 21 13 23-1849 EA 16" x 12", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,645.59 65.13 135.95	144.83
23 21 13 23-1850 EA 16" x 14", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,657.58 68.73 135.95	152.82
23 21 13 23-1851 EA 18" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	7,009.10 63.64 208.67	141.49
23 21 13 23-1852 EA 18" x 12", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,356.67 68.45 188.15	152.16
23 21 13 23-1853 EA 18" x 14", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,788.30 72.06 170.33	160.16
23 21 13 23-1854 EA 18" x 16", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,800.30 75.66 170.33	168.26
23 21 13 23-1855 EA 20" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	7,710.11 65.28 230.02	145.16
23 21 13 23-1856 EA 20" x 12", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,621.62 70.12 196.11	155.94
23 21 13 23-1857 EA 20" x 14", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,633.62 73.72 196.11	163.93
23 21 13 23-1858 EA 20" x 16", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,924.75 77.27 173.98	171.82
23 21 13 23-1859 EA 20" x 18", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,312.14 80.64 185.53	179.26
23 21 13 23-1860 EA 24" x 10", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	16,938.08 72.62 512.57	161.48
23 21 13 23-1861 EA 24" x 12", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	16,551.06 77.49 500.19	172.26
23 21 13 23-1862 EA 24" x 14", Grooved Concentric Reducer For Work In Restricted Working Space, Add For Galvanized Fittings, Add	14,435.48 81.03 434.88	180.15



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1863	EA		24" x 16", Grooved Concentric Reducer	14,447.55	188.25
			For Work In Restricted Working Space, Add	84.65	
			For Galvanized Fittings, Add	434.88	
23 21 13 23-1864	EA		24" x 18", Grooved Concentric Reducer	12,384.15	195.58
			For Work In Restricted Working Space, Add	87.96	
			For Galvanized Fittings, Add	371.19	
23 21 13 23-1865	EA		24" x 20", Grooved Concentric Reducer	11,318.82	199.36
			For Work In Restricted Working Space, Add	89.66	
			For Galvanized Fittings, Add	338.31	
23 21 13 23-1866 Grooved Eccentric Reducers (23 21 13 23-1772)					
Note: Victaulic No. 51					
23 21 13 23-1867	EA		1-1/2" x 3/4", Grooved Eccentric Reducer	384.12	15.22
			For Work In Restricted Working Space, Add	6.83	
			For Galvanized Fittings, Add	43.43	
23 21 13 23-1868	EA		1-1/2" x 1", Grooved Eccentric Reducer	350.05	15.88
			For Work In Restricted Working Space, Add	7.16	
			For Galvanized Fittings, Add	39.21	
23 21 13 23-1869	EA		1-1/2" x 1-1/4", Grooved Eccentric Reducer	344.05	16.66
			For Work In Restricted Working Space, Add	7.50	
			For Galvanized Fittings, Add	38.35	
23 21 13 23-1870	EA		2" x 3/4", Grooved Eccentric Reducer	729.36	18.11
			For Work In Restricted Working Space, Add	8.16	
			For Galvanized Fittings, Add	84.40	
23 21 13 23-1871	EA		2" x 1", Grooved Eccentric Reducer	388.48	18.88
			For Work In Restricted Working Space, Add	8.50	
			For Galvanized Fittings, Add	43.29	
23 21 13 23-1872	EA		2" x 1-1/4", Grooved Eccentric Reducer	424.29	19.66
			For Work In Restricted Working Space, Add	8.83	
			For Galvanized Fittings, Add	47.46	
23 21 13 23-1873	EA		2" x 1-1/2", Grooved Eccentric Reducer	363.35	21.88
			For Work In Restricted Working Space, Add	9.85	
			For Galvanized Fittings, Add	39.73	
23 21 13 23-1874	EA		2-1/2" x 3/4", Grooved Eccentric Reducer	947.21	20.43
			For Work In Restricted Working Space, Add	9.19	
			For Galvanized Fittings, Add	110.17	
23 21 13 23-1875	EA		2-1/2" x 1", Grooved Eccentric Reducer	885.65	21.21
			For Work In Restricted Working Space, Add	9.52	
			For Galvanized Fittings, Add	102.64	
23 21 13 23-1876	EA		2-1/2" x 1-1/4", Grooved Eccentric Reducer	528.76	21.88
			For Work In Restricted Working Space, Add	9.85	
			For Galvanized Fittings, Add	59.61	
23 21 13 23-1877	EA		2-1/2" x 1-1/2", Grooved Eccentric Reducer	429.06	24.10
			For Work In Restricted Working Space, Add	10.83	
			For Galvanized Fittings, Add	47.23	
23 21 13 23-1878	EA		2-1/2" x 2", Grooved Eccentric Reducer	198.82	26.99
			For Work In Restricted Working Space, Add	12.16	
			For Galvanized Fittings, Add	19.03	
23 21 13 23-1879	EA		3" x 1", Grooved Eccentric Reducer	952.57	24.43
			For Work In Restricted Working Space, Add	10.98	
			For Galvanized Fittings, Add	110.10	
23 21 13 23-1880	EA		3" x 1-1/4", Grooved Eccentric Reducer	866.95	25.21
			For Work In Restricted Working Space, Add	11.32	
			For Galvanized Fittings, Add	99.67	
23 21 13 23-1881	EA		3" x 1-1/2", Grooved Eccentric Reducer	495.06	26.99
			For Work In Restricted Working Space, Add	12.16	
			For Galvanized Fittings, Add	54.63	
23 21 13 23-1882	EA		3" x 2", Grooved Eccentric Reducer	226.89	29.99
			For Work In Restricted Working Space, Add	13.49	
			For Galvanized Fittings, Add	21.87	
23 21 13 23-1883	EA		3" x 2-1/2", Grooved Eccentric Reducer	235.51	35.76
			For Work In Restricted Working Space, Add	16.08	
			For Galvanized Fittings, Add	21.87	
23 21 13 23-1884	EA		3-1/2" x 3", Grooved Eccentric Reducer	1,064.14	38.54
			For Work In Restricted Working Space, Add	17.33	
			For Galvanized Fittings, Add	120.97	
23 21 13 23-1885	EA		4" x 1", Grooved Eccentric Reducer	1,902.19	30.32
			For Work In Restricted Working Space, Add	13.66	
			For Galvanized Fittings, Add	318.42	
23 21 13 23-1886	EA		4" x 1-1/2", Grooved Eccentric Reducer	1,172.31	32.98
			For Work In Restricted Working Space, Add	14.83	
			For Galvanized Fittings, Add	192.57	
23 21 13 23-1887	EA		4" x 2", Grooved Eccentric Reducer	276.29	35.98
			For Work In Restricted Working Space, Add	16.16	
			For Galvanized Fittings, Add	38.15	
23 21 13 23-1888	EA		4" x 2-1/2", Grooved Eccentric Reducer	280.19	38.54
			For Work In Restricted Working Space, Add	17.33	
			For Galvanized Fittings, Add	38.15	
23 21 13 23-1889	EA		4" x 3", Grooved Eccentric Reducer	284.62	41.54
			For Work In Restricted Working Space, Add	18.66	
			For Galvanized Fittings, Add	38.15	
23 21 13 23-1890	EA		5" x 2", Grooved Eccentric Reducer	1,300.95	41.87
			For Work In Restricted Working Space, Add	18.83	
			For Galvanized Fittings, Add	212.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1891	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,121.55	44.42
		For Work In Restricted Working Space, Add	20.00	
		For Galvanized Fittings, Add	180.92	
23 21 13 23-1892	EA	5" x 3", Grooved Eccentric Reducer.....	1,090.02	47.42
		For Work In Restricted Working Space, Add	21.33	
		For Galvanized Fittings, Add	174.75	
23 21 13 23-1893	EA	5" x 4", Grooved Eccentric Reducer.....	382.92	53.31
		For Work In Restricted Working Space, Add	23.99	
		For Galvanized Fittings, Add	51.96	
23 21 13 23-1894	EA	6" x 1", Grooved Eccentric Reducer.....	1,992.59	45.21
		For Work In Restricted Working Space, Add	20.33	
		For Galvanized Fittings, Add	359.17	
23 21 13 23-1895	EA	6" x 2", Grooved Eccentric Reducer.....	1,831.44	50.76
		For Work In Restricted Working Space, Add	22.82	
		For Galvanized Fittings, Add	327.55	
23 21 13 23-1896	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,170.21	53.31
		For Work In Restricted Working Space, Add	23.99	
		For Galvanized Fittings, Add	390.04	
23 21 13 23-1897	EA	6" x 3", Grooved Eccentric Reducer.....	487.76	56.31
		For Work In Restricted Working Space, Add	25.33	
		For Galvanized Fittings, Add	75.26	
23 21 13 23-1898	EA	6" x 4", Grooved Eccentric Reducer.....	446.35	62.20
		For Work In Restricted Working Space, Add	27.99	
		For Galvanized Fittings, Add	65.88	
23 21 13 23-1899	EA	6" x 5", Grooved Eccentric Reducer.....	525.70	68.19
		For Work In Restricted Working Space, Add	30.66	
		For Galvanized Fittings, Add	79.03	
23 21 13 23-1900	EA	8" x 3", Grooved Eccentric Reducer.....	2,135.06	63.75
		For Work In Restricted Working Space, Add	28.65	
		For Galvanized Fittings, Add	380.58	
23 21 13 23-1901	EA	8" x 4", Grooved Eccentric Reducer.....	1,886.82	69.64
		For Work In Restricted Working Space, Add	31.31	
		For Galvanized Fittings, Add	332.60	
23 21 13 23-1902	EA	8" x 5", Grooved Eccentric Reducer.....	1,772.81	75.52
		For Work In Restricted Working Space, Add	33.99	
		For Galvanized Fittings, Add	309.67	
23 21 13 23-1903	EA	8" x 6", Grooved Eccentric Reducer.....	842.49	84.41
		For Work In Restricted Working Space, Add	37.98	
		For Galvanized Fittings, Add	133.58	
23 21 13 23-1904	EA	10" x 4", Grooved Eccentric Reducer.....	3,386.91	77.41
		For Work In Restricted Working Space, Add	34.82	
		For Galvanized Fittings, Add	610.34	
23 21 13 23-1905	EA	10" x 5", Grooved Eccentric Reducer.....	3,206.56	83.30
		For Work In Restricted Working Space, Add	37.49	
		For Galvanized Fittings, Add	575.03	
23 21 13 23-1906	EA	10" x 6", Grooved Eccentric Reducer.....	2,462.11	92.19
		For Work In Restricted Working Space, Add	41.48	
		For Galvanized Fittings, Add	433.63	
23 21 13 23-1907	EA	10" x 8", Grooved Eccentric Reducer.....	2,116.18	99.62
		For Work In Restricted Working Space, Add	44.81	
		For Galvanized Fittings, Add	367.01	
23 21 13 23-1908	EA	12" x 4", Grooved Eccentric Reducer.....	3,458.02	88.19
		For Work In Restricted Working Space, Add	39.65	
		For Galvanized Fittings, Add	501.87	
23 21 13 23-1909	EA	12" x 6", Grooved Eccentric Reducer.....	3,258.77	102.95
		For Work In Restricted Working Space, Add	46.30	
		For Galvanized Fittings, Add	468.46	
23 21 13 23-1910	EA	12" x 8", Grooved Eccentric Reducer.....	3,190.46	110.40
		For Work In Restricted Working Space, Add	49.64	
		For Galvanized Fittings, Add	456.47	
23 21 13 23-1911	EA	12" x 10", Grooved Eccentric Reducer.....	2,886.68	118.17
		For Work In Restricted Working Space, Add	53.16	
		For Galvanized Fittings, Add	408.86	
23 21 13 23-1912	EA	14" x 6", Grooved Eccentric Reducer.....	7,999.37	110.95
		For Work In Restricted Working Space, Add	49.91	
		For Galvanized Fittings, Add	240.47	
23 21 13 23-1913	EA	14" x 8", Grooved Eccentric Reducer.....	5,185.35	118.39
		For Work In Restricted Working Space, Add	53.26	
		For Galvanized Fittings, Add	153.74	
23 21 13 23-1914	EA	14" x 10", Grooved Eccentric Reducer.....	4,956.25	126.17
		For Work In Restricted Working Space, Add	56.74	
		For Galvanized Fittings, Add	146.35	
23 21 13 23-1915	EA	14" x 12", Grooved Eccentric Reducer.....	4,972.33	136.83
		For Work In Restricted Working Space, Add	61.57	
		For Galvanized Fittings, Add	146.35	
23 21 13 23-1916	EA	16" x 8", Grooved Eccentric Reducer.....	8,839.96	126.28
		For Work In Restricted Working Space, Add	56.82	
		For Galvanized Fittings, Add	265.57	
23 21 13 23-1917	EA	16" x 10", Grooved Eccentric Reducer.....	8,194.82	134.05
		For Work In Restricted Working Space, Add	60.32	
		For Galvanized Fittings, Add	245.41	
23 21 13 23-1918	EA	16" x 12", Grooved Eccentric Reducer.....	7,728.38	144.83
		For Work In Restricted Working Space, Add	65.13	
		For Galvanized Fittings, Add	230.60	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1919	EA		16" x 14", Grooved Eccentric Reducer	7,740.37	152.82
			For Work In Restricted Working Space, Add	68.73	
			For Galvanized Fittings, Add	230.60	
23 21 13 23-1920	EA		18" x 10", Grooved Eccentric Reducer	11,084.44	141.49
			For Work In Restricted Working Space, Add	63.64	
			For Galvanized Fittings, Add	333.78	
23 21 13 23-1921	EA		18" x 12", Grooved Eccentric Reducer	10,437.25	152.16
			For Work In Restricted Working Space, Add	68.45	
			For Galvanized Fittings, Add	313.42	
23 21 13 23-1922	EA		18" x 14", Grooved Eccentric Reducer	9,515.63	160.16
			For Work In Restricted Working Space, Add	72.06	
			For Galvanized Fittings, Add	284.76	
23 21 13 23-1923	EA		18" x 16", Grooved Eccentric Reducer	9,527.63	168.26
			For Work In Restricted Working Space, Add	75.66	
			For Galvanized Fittings, Add	284.76	
23 21 13 23-1924	EA		20" x 10", Grooved Eccentric Reducer	14,544.73	145.16
			For Work In Restricted Working Space, Add	65.28	
			For Galvanized Fittings, Add	439.84	
23 21 13 23-1925	EA		20" x 12", Grooved Eccentric Reducer	10,831.35	155.94
			For Work In Restricted Working Space, Add	70.12	
			For Galvanized Fittings, Add	325.35	
23 21 13 23-1926	EA		20" x 14", Grooved Eccentric Reducer	10,180.82	163.93
			For Work In Restricted Working Space, Add	73.72	
			For Galvanized Fittings, Add	305.01	
23 21 13 23-1927	EA		20" x 16", Grooved Eccentric Reducer	10,031.91	171.82
			For Work In Restricted Working Space, Add	77.27	
			For Galvanized Fittings, Add	300.07	
23 21 13 23-1928	EA		20" x 18", Grooved Eccentric Reducer	9,668.63	179.26
			For Work In Restricted Working Space, Add	80.64	
			For Galvanized Fittings, Add	288.58	
23 21 13 23-1929	EA		24" x 12", Grooved Eccentric Reducer	20,998.62	172.26
			For Work In Restricted Working Space, Add	77.49	
			For Galvanized Fittings, Add	636.73	
23 21 13 23-1930	EA		24" x 14", Grooved Eccentric Reducer	17,946.81	180.15
			For Work In Restricted Working Space, Add	81.03	
			For Galvanized Fittings, Add	542.68	
23 21 13 23-1931	EA		24" x 16", Grooved Eccentric Reducer	17,958.88	188.25
			For Work In Restricted Working Space, Add	84.65	
			For Galvanized Fittings, Add	542.68	
23 21 13 23-1932	EA		24" x 18", Grooved Eccentric Reducer	16,966.49	195.58
			For Work In Restricted Working Space, Add	87.96	
			For Galvanized Fittings, Add	511.87	
23 21 13 23-1933	EA		24" x 20", Grooved Eccentric Reducer	15,514.12	199.36
			For Work In Restricted Working Space, Add	89.66	
			For Galvanized Fittings, Add	467.11	
23 21 13 23-1934			Grooved, Close Nipple (23 21 13 23-1772)		
			Note: Victaulic No. 143		
23 21 13 23-1935	EA		1-1/4" Ductile Iron, Grooved, Close Nipple	65.15	14.66
			For Work In Restricted Working Space, Add	6.67	
			For Galvanized Fittings, Add	7.73	
			For 300 Lb. Rating, Add	6.44	
			For Galvanized Fittings, Add	10.99	
23 21 13 23-1936	EA		1-1/2" Ductile Iron, Grooved, Close Nipple	74.55	18.33
			For Work In Restricted Working Space, Add	8.33	
			For Galvanized Fittings, Add	8.42	
			For 300 Lb. Rating, Add	7.02	
			For Galvanized Fittings, Add	11.98	
23 21 13 23-1937	EA		2" Ductile Iron, Grooved, Close Nipple	93.04	24.19
			For Work In Restricted Working Space, Add	11.00	
			For Galvanized Fittings, Add	10.15	
			For 300 Lb. Rating, Add	8.46	
			For Galvanized Fittings, Add	14.44	
23 21 13 23-1938	EA		2-1/2" Ductile Iron, Grooved, Close Nipple	111.06	29.32
			For Work In Restricted Working Space, Add	13.33	
			For Galvanized Fittings, Add	12.00	
			For 300 Lb. Rating, Add	10.00	
			For Galvanized Fittings, Add	17.06	
23 21 13 23-1939			Grooved Caps (23 21 13 23-1772)		
			Note: Victaulic No. 60		
23 21 13 23-1940	EA		1" Carbon Steel Grooved Cap	126.87	4.55
			For Work In Restricted Working Space, Add	2.73	
23 21 13 23-1941	EA		1-1/4" Carbon Steel Grooved Cap	129.10	5.66
			For Work In Restricted Working Space, Add	3.40	
23 21 13 23-1942	EA		1-1/2" Carbon Steel Grooved Cap	131.55	6.89
			For Work In Restricted Working Space, Add	4.13	
23 21 13 23-1943	EA		2" Carbon Steel Grooved Cap	135.88	9.10
			For Work In Restricted Working Space, Add	5.43	
23 21 13 23-1944	EA		2-1/2" Carbon Steel Grooved Cap	139.88	11.11
			For Work In Restricted Working Space, Add	6.63	
23 21 13 23-1945	EA		3" Carbon Steel Grooved Cap	144.54	13.43
			For Work In Restricted Working Space, Add	8.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1946 EA 4" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	160.90 10.63	17.77
23 21 13 23-1947 EA 5" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	332.54 13.26	22.11
23 21 13 23-1948 EA 6" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	345.81 17.36	28.98
23 21 13 23-1949 EA 8" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	616.38 20.66	34.43
23 21 13 23-1950 EA 10" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	1,035.18 24.09	40.20
23 21 13 23-1951 EA 12" Carbon Steel Grooved Cap For Work In Restricted Working Space, Add	1,765.95 28.92	48.20
23 21 13 23-1952 Grooved Couplings (23 21 13 23-1529)		
23 21 13 23-1953 Flexible Grooved Coupling (23 21 13 23-1952) Note: Victaulic Style 77		
23 21 13 23-1954 EA 3/4" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	23.26 2.72 3.97	6.00
23 21 13 23-1955 EA 1" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	23.26 2.72 3.97	6.00
23 21 13 23-1956 EA 1-1/4" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	30.21 3.40 5.28	7.55
23 21 13 23-1957 EA 1-1/2" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	34.18 4.07 5.78	8.99
23 21 13 23-1958 EA 2" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	39.95 5.45 6.10	12.11
23 21 13 23-1959 EA 2-1/2" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	48.20 6.63 7.31	14.77
23 21 13 23-1960 EA 3" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	52.49 7.92 7.31	17.66
23 21 13 23-1961 EA 3-1/2" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	73.07 9.31 11.77	20.66
23 21 13 23-1962 EA 4" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	77.41 10.61 11.77	23.55
23 21 13 23-1963 EA 5" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	108.67 13.26 18.05	29.55
23 21 13 23-1964 EA 6" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	134.04 17.36 21.33	38.54
23 21 13 23-1965 EA 8" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	193.06 20.66 34.78	45.98
23 21 13 23-1966 EA 10" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	289.05 24.79 57.79	55.09
23 21 13 23-1967 EA 12" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	325.41 27.12 65.81	60.30
23 21 13 23-1968 EA 14" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	406.02 36.16 79.94	80.42
23 21 13 23-1969 EA 16" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	519.11 43.39 104.86	96.52
23 21 13 23-1970 EA 18" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	599.26 48.20 122.80	107.17
23 21 13 23-1971 EA 20" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	870.74 54.23 193.19	120.62
23 21 13 23-1972 EA 24" Grooved Standard Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	979.13 66.74 211.86	148.38
23 21 13 23-1973 Zero-Flex® Rigid Coupling (23 21 13 23-1952) Note: Victaulic Style 07		
23 21 13 23-1974 EA 1" Grooved Rigid Coupling..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	28.81 2.72 4.84	6.00
23 21 13 23-1975 EA 1-1/4" Grooved Rigid Coupling For Work In Restricted Working Space, Add For Galvanized Fittings, Add	31.08 3.40 4.84	7.55



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1976	EA	1-1/2" Grooved Rigid Coupling	33.29	8.99
		For Work In Restricted Working Space, Add	4.07	
		For Galvanized Fittings, Add	4.84	
23 21 13 23-1977	EA	2" Grooved Rigid Coupling	38.39	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	4.96	
23 21 13 23-1978	EA	2-1/2" Grooved Rigid Coupling	45.44	14.77
		For Work In Restricted Working Space, Add	6.63	
		For Galvanized Fittings, Add	5.72	
23 21 13 23-1979	EA	3" Grooved Rigid Coupling	49.73	17.66
		For Work In Restricted Working Space, Add	7.92	
		For Galvanized Fittings, Add	5.72	
23 21 13 23-1980	EA	3-1/2" Grooved Rigid Coupling	58.30	20.66
		For Work In Restricted Working Space, Add	9.31	
		For Galvanized Fittings, Add	6.68	
23 21 13 23-1981	EA	4" Grooved Rigid Coupling	74.01	23.55
		For Work In Restricted Working Space, Add	10.61	
		For Galvanized Fittings, Add	9.47	
23 21 13 23-1982	EA	5" Grooved Rigid Coupling	94.39	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	12.29	
23 21 13 23-1983	EA	6" Grooved Rigid Coupling	124.93	38.54
		For Work In Restricted Working Space, Add	17.36	
		For Galvanized Fittings, Add	16.43	
23 21 13 23-1984	EA	8" Grooved Rigid Coupling	174.53	45.98
		For Work In Restricted Working Space, Add	20.66	
		For Galvanized Fittings, Add	25.89	
23 21 13 23-1985	EA	10" Grooved Rigid Coupling	271.99	55.09
		For Work In Restricted Working Space, Add	24.79	
		For Galvanized Fittings, Add	46.39	
23 21 13 23-1986	EA	12" Grooved Rigid Coupling	302.28	60.30
		For Work In Restricted Working Space, Add	27.12	
		For Galvanized Fittings, Add	51.91	
23 21 13 23-1987	EA	14" Grooved Rigid Coupling	397.35	80.42
		For Work In Restricted Working Space, Add	36.16	
		For Galvanized Fittings, Add	67.82	
23 21 13 23-1988	EA	16" Grooved Rigid Coupling	505.67	96.52
		For Work In Restricted Working Space, Add	43.39	
		For Galvanized Fittings, Add	88.46	
23 21 13 23-1989	EA	18" Grooved Rigid Coupling	578.06	107.17
		For Work In Restricted Working Space, Add	48.20	
		For Galvanized Fittings, Add	102.26	
23 21 13 23-1990	EA	20" Grooved Rigid Coupling	677.69	120.62
		For Work In Restricted Working Space, Add	54.23	
		For Galvanized Fittings, Add	121.75	
23 21 13 23-1991	EA	24" Grooved Rigid Coupling	954.42	148.38
		For Work In Restricted Working Space, Add	66.74	
		For Galvanized Fittings, Add	179.33	
23 21 13 23-1992		Large Diameter Grooved Coupling (23 21 13 23-1952)		
		Note: Victaulic Style 770		
23 21 13 23-1993	EA	28" Grooved Coupling.....	922.51	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	122.96	
23 21 13 23-1994	EA	30" Grooved Coupling.....	1,069.05	38.54
		For Work In Restricted Working Space, Add	17.36	
		For Galvanized Fittings, Add	141.57	
23 21 13 23-1995	EA	32" Grooved Coupling.....	1,583.19	45.98
		For Work In Restricted Working Space, Add	20.66	
		For Galvanized Fittings, Add	212.01	
23 21 13 23-1996	EA	36" Grooved Coupling.....	2,100.10	55.09
		For Work In Restricted Working Space, Add	24.79	
		For Galvanized Fittings, Add	282.44	
23 21 13 23-1997	EA	42" Grooved Coupling.....	4,170.51	60.30
		For Work In Restricted Working Space, Add	27.12	
		For Galvanized Fittings, Add	571.22	
23 21 13 23-1998		Flexible Coupling (23 21 13 23-1952)		
		Note: Victaulic Style 75		
23 21 13 23-1999	EA	1-1/2" Grooved Flexible Coupling	31.49	8.99
		For Work In Restricted Working Space, Add	4.07	
		For Galvanized Fittings, Add	4.59	
23 21 13 23-2000	EA	2" Grooved Flexible Coupling	36.55	12.11
		For Work In Restricted Working Space, Add	5.45	
		For Galvanized Fittings, Add	4.71	
23 21 13 23-2001	EA	2-1/2" Grooved Flexible Coupling	43.44	14.77
		For Work In Restricted Working Space, Add	6.63	
		For Galvanized Fittings, Add	5.46	
23 21 13 23-2002	EA	3" Grooved Flexible Coupling	51.20	17.66
		For Work In Restricted Working Space, Add	7.92	
		For Galvanized Fittings, Add	6.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2003	EA	3-1/2" Grooved Flexible Coupling	66.16	20.66
		For Work In Restricted Working Space, Add	9.31	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-2004	EA	4" Grooved Flexible Coupling	70.50	23.55
		For Work In Restricted Working Space, Add	10.61	
		For Galvanized Fittings, Add	8.99	
23 21 13 23-2005	EA	5" Grooved Flexible Coupling	94.89	29.55
		For Work In Restricted Working Space, Add	13.26	
		For Galvanized Fittings, Add	12.97	
23 21 13 23-2006	EA	6" Grooved Flexible Coupling	118.90	38.54
		For Work In Restricted Working Space, Add	17.36	
		For Galvanized Fittings, Add	15.63	
23 21 13 23-2007	EA	8" Grooved Flexible Coupling	164.83	45.98
		For Work In Restricted Working Space, Add	20.66	
		For Galvanized Fittings, Add	24.57	
23 21 13 23-2008		Installation-Ready™ Coupling (23 21 13 23-1952)		
		Note: Victaulic Style 009N		
23 21 13 23-2009	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	84.13	5.61
		For Work In Restricted Working Space, Add	2.55	
		For Galvanized Fittings, Add	19.36	
23 21 13 23-2010	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	87.35	6.71
		For Work In Restricted Working Space, Add	3.05	
		For Galvanized Fittings, Add	19.76	
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	100.98	9.01
		For Work In Restricted Working Space, Add	4.10	
		For Galvanized Fittings, Add	22.35	
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	117.13	10.93
		For Work In Restricted Working Space, Add	4.97	
		For Galvanized Fittings, Add	25.75	
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	133.70	13.12
		For Work In Restricted Working Space, Add	5.96	
		For Galvanized Fittings, Add	29.14	
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	186.38	17.52
		For Work In Restricted Working Space, Add	7.97	
		For Galvanized Fittings, Add	40.92	
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	294.63	21.91
		For Work In Restricted Working Space, Add	9.96	
		For Galvanized Fittings, Add	66.93	
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	355.81	28.66
		For Work In Restricted Working Space, Add	13.03	
		For Galvanized Fittings, Add	79.97	
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	573.55	34.09
		For Work In Restricted Working Space, Add	15.49	
		For Galvanized Fittings, Add	133.61	
23 21 13 23-2018		Grooved Strainers And Suction Diffusers (23 21 13 23-1529)		
23 21 13 23-2019		Grooved Wye Strainers (23 21 13 23-2018)		
		Note: Victaulic Style 732		
23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,659.30	24.43
		For Work In Restricted Working Space, Add	10.89	
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,799.42	29.66
		For Work In Restricted Working Space, Add	13.26	
23 21 13 23-2022	EA	3" Grooved Wye Strainer	3,148.17	35.54
		For Work In Restricted Working Space, Add	16.08	
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,573.59	47.42
		For Work In Restricted Working Space, Add	21.22	
23 21 13 23-2024	EA	5" Grooved Wye Strainer	5,162.57	59.31
		For Work In Restricted Working Space, Add	26.53	
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,624.30	77.08
		For Work In Restricted Working Space, Add	34.71	
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,582.68	91.85
		For Work In Restricted Working Space, Add	41.32	
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,736.33	107.39
		For Work In Restricted Working Space, Add	48.20	
23 21 13 23-2028	EA	12" Grooved Wye Strainer	23,908.38	128.95
		For Work In Restricted Working Space, Add	57.85	
23 21 13 23-2029		Grooved Tee Type Strainers (23 21 13 23-2018)		
		Note: Victaulic Style 730		
23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	2,051.62	18.55
		For Work In Restricted Working Space, Add	8.25	
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,626.93	24.43
		For Work In Restricted Working Space, Add	10.89	
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,765.78	29.66
		For Work In Restricted Working Space, Add	13.26	
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	3,110.16	35.54
		For Work In Restricted Working Space, Add	16.08	
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,530.49	47.42
		For Work In Restricted Working Space, Add	21.22	

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2035 EA 5" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	5,099.82 26.53	59.31
23 21 13 23-2036 EA 6" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	5,556.64 34.71	77.08
23 21 13 23-2037 EA 8" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	8,477.93 41.32	91.85
23 21 13 23-2038 EA 10" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	12,410.55 48.20	107.39
23 21 13 23-2039 EA 12" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	15,961.74 57.85	128.95
23 21 13 23-2040 EA 14" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	56,423.55 65.33	145.16
23 21 13 23-2041 EA 16" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	70,096.64 72.31	160.71
23 21 13 23-2042 EA 18" Grooved Tee Type Strainer For Work In Restricted Working Space, Add	92,143.78 78.96	175.59
23 21 13 23-2043 Grooved Suction Diffuser (23 21 13 23-2018)		
Note: Victaulic Style 731		
23 21 13 23-2044 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser For Work In Restricted Working Space, Add	5,419.65 12.16	27.43
23 21 13 23-2045 EA 3" Grooved x 2" Flanged Suction Diffuser For Work In Restricted Working Space, Add	5,753.27 13.49	30.32
23 21 13 23-2046 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser For Work In Restricted Working Space, Add	4,156.41 16.08	35.54
23 21 13 23-2047 EA 3" Grooved x 3" Flanged Suction Diffuser For Work In Restricted Working Space, Add	4,215.12 17.33	38.54
23 21 13 23-2048 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser For Work In Restricted Working Space, Add	4,565.95 17.33	38.54
23 21 13 23-2049 EA 4" Grooved x 3" Flanged Suction Diffuser For Work In Restricted Working Space, Add	4,926.10 18.66	41.54
23 21 13 23-2050 EA 4" Grooved x 4" Flanged Suction Diffuser For Work In Restricted Working Space, Add	5,695.40 18.83	41.54
23 21 13 23-2051 EA 5" Grooved x 4" Flanged Suction Diffuser For Work In Restricted Working Space, Add	6,358.94 23.99	53.31
23 21 13 23-2052 EA 5" Grooved x 5" Flanged Suction Diffuser For Work In Restricted Working Space, Add	6,682.02 25.33	56.31
23 21 13 23-2053 EA 6" Grooved x 4" Flanged Suction Diffuser For Work In Restricted Working Space, Add	6,788.01 27.99	62.20
23 21 13 23-2054 EA 6" Grooved x 5" Flanged Suction Diffuser For Work In Restricted Working Space, Add	8,110.68 30.66	68.19
23 21 13 23-2055 EA 6" Grooved x 6" Flanged Suction Diffuser For Work In Restricted Working Space, Add	8,424.12 32.65	72.64
23 21 13 23-2056 EA 8" Grooved x 5" Flanged Suction Diffuser For Work In Restricted Working Space, Add	8,643.72 33.99	75.52
23 21 13 23-2057 EA 8" Grooved x 6" Flanged Suction Diffuser For Work In Restricted Working Space, Add	9,121.88 37.98	84.41
23 21 13 23-2058 EA 8" Grooved x 8" Flanged Suction Diffuser For Work In Restricted Working Space, Add	15,617.46 41.32	91.85
23 21 13 23-2059 EA 10" Grooved x 8" Flanged Suction Diffuser For Work In Restricted Working Space, Add	17,616.31 44.81	99.29
23 21 13 23-2060 EA 10" Grooved x 10" Flanged Suction Diffuser For Work In Restricted Working Space, Add	21,202.16 46.30	102.95
23 21 13 23-2061 EA 12" Grooved x 10" Flanged Suction Diffuser For Work In Restricted Working Space, Add	25,091.23 53.16	118.50
23 21 13 23-2062 EA 12" Grooved x 12" Flanged Suction Diffuser For Work In Restricted Working Space, Add	34,842.78 56.63	125.95
23 21 13 23-2063 EA 14" Grooved x 10" Flanged Suction Diffuser For Work In Restricted Working Space, Add	32,440.40 56.74	125.95
23 21 13 23-2064 EA 14" Grooved x 12" Flanged Suction Diffuser For Work In Restricted Working Space, Add	36,232.12 61.57	137.05
23 21 13 23-2065 EA 14" Grooved x 14" Flanged Suction Diffuser For Work In Restricted Working Space, Add	43,967.14 65.13	145.16
23 21 13 23-2066 EA 16" Grooved x 14" Flanged Suction Diffuser For Work In Restricted Working Space, Add	45,263.62 68.73	152.60
23 21 13 23-2067 Grooved Steel Valves (23 21 13 23-1529)		
23 21 13 23-2068 Grooved Butterfly Valves With Standard Trim (23 21 13 23-2067)		
23 21 13 23-2069 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	290.36 5.45	12.11
23 21 13 23-2070 EA 2" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	296.09 7.16	15.88
23 21 13 23-2071 EA 3" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	485.81 10.61	23.55
23 21 13 23-2072 EA 4" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	652.53 13.96	30.99
23 21 13 23-2073 EA 6" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	1,424.19 22.83	50.76
23 21 13 23-2074 EA 8" Butterfly Valve, Grooved, With Standard Trim For Work In Restricted Working Space, Add	1,973.69 32.14	71.41

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2075	EA	10"	Butterfly Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	2,963.92 43.39	96.52
23 21 13 23-2076 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2067)					
23 21 13 23-2077	EA	1-1/2"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	436.18 5.45	12.11
23 21 13 23-2078	EA	2"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	441.91 7.16	15.88
23 21 13 23-2079	EA	3"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	683.48 10.61	23.55
23 21 13 23-2080	EA	4"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	869.65 13.96	30.99
23 21 13 23-2081	EA	6"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	1,663.99 22.83	50.76
23 21 13 23-2082	EA	8"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	2,764.39 32.14	71.41
23 21 13 23-2083	EA	10"	Butterfly Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	4,357.36 43.39	96.52
23 21 13 23-2084 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2067)					
Note: Victaulic No. 721					
23 21 13 23-2085	EA	1-1/2"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	245.03 5.45	11.88
23 21 13 23-2086	EA	2"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	280.73 7.16	16.32
23 21 13 23-2087	EA	2-1/2"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	640.60 8.99	19.99
23 21 13 23-2088	EA	3"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	1,050.36 10.61	23.66
23 21 13 23-2089	EA	4"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	1,635.59 13.96	31.10
23 21 13 23-2090	EA	6"	Ball Valve, Grooved, With Standard Trim..... <i>For Work In Restricted Working Space, Add</i>	5,084.82 22.83	51.09
23 21 13 23-2091 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-2067)					
Note: Victaulic No. 721					
23 21 13 23-2092	EA	1-1/2"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	261.00 5.45	11.88
23 21 13 23-2093	EA	2"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	446.52 7.16	16.32
23 21 13 23-2094	EA	2-1/2"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	1,163.37 8.99	19.99
23 21 13 23-2095	EA	3"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	1,504.41 10.61	23.66
23 21 13 23-2096	EA	4"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	2,055.18 13.96	31.10
23 21 13 23-2097	EA	6"	Ball Valve, Grooved, With Stainless Steel Trim..... <i>For Work In Restricted Working Space, Add</i>	5,604.75 22.83	51.09
23 21 13 23-2098 Grooved Check Valves (23 21 13 23-2067)					
Note: Victaulic No. 712					
23 21 13 23-2099	EA	2"	Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	372.00 7.16	16.32
23 21 13 23-2100	EA	2-1/2"	Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	603.74 8.99	19.99
23 21 13 23-2101	EA	3"	Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	703.47 10.61	23.66
23 21 13 23-2102	EA	4"	Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	997.10 13.96	31.10
23 21 13 23-2103 Grooved Vic-Check Check Valves (23 21 13 23-2067)					
Note: Victaulic No. 716					
23 21 13 23-2104	EA	2-1/2"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	482.50 8.99	19.99
23 21 13 23-2105	EA	3"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	487.90 10.61	23.66
23 21 13 23-2106	EA	4"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	611.46 13.96	31.10
23 21 13 23-2107	EA	6"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	1,191.88 22.83	51.09
23 21 13 23-2108	EA	8"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	1,630.88 31.77	71.08
23 21 13 23-2109	EA	10"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	4,556.57 43.02	96.30
23 21 13 23-2110	EA	12"	"Vic-Check" Check Valve, Grooved..... <i>For Work In Restricted Working Space, Add</i>	5,395.75 49.64	111.17



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2111 Grooved Plug Valves With Lever Operator (23 21 13 23-2067) Note: Victaulic No. 377		
23 21 13 23-2112 EA 3" Balancing Plug Valve, Grooved, With Lever Handle..... For Work In Restricted Working Space, Add	1,378.04 10.61	23.66
23 21 13 23-2113 EA 4" Balancing Plug Valve, Grooved, With Lever Handle..... For Work In Restricted Working Space, Add	1,524.01 13.96	31.10
23 21 13 23-2114 EA 6" Balancing Plug Valve, Grooved, With Lever Handle..... For Work In Restricted Working Space, Add	2,726.00 22.83	51.09
23 21 13 23-2115 Grooved Plug Valve With Gear Operator (23 21 13 23-2067) Note: Victaulic No. 377		
23 21 13 23-2116 EA 3" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	2,460.89 10.61	23.66
23 21 13 23-2117 EA 4" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	2,606.95 13.96	31.10
23 21 13 23-2118 EA 6" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	3,808.95 22.83	51.09
23 21 13 23-2119 EA 8" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	5,092.14 31.77	71.08
23 21 13 23-2120 EA 10" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	8,006.75 43.02	96.30
23 21 13 23-2121 EA 12" Balancing Plug Valve, Grooved, With Gear Operator..... For Work In Restricted Working Space, Add	11,619.00 49.64	111.17
23 21 13 23-2122 Prepare Pipe For Groove (23 21 13 23-1529)		
23 21 13 23-2123 Cut Grooved Pipe (23 21 13 23-2122) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2124 EA Cut 3/4" Groove Pipe..... For Work In Restricted Working Space, Add	11.63 3.49	
23 21 13 23-2125 EA Cut 1" Groove Pipe..... For Work In Restricted Working Space, Add	12.63 3.79	
23 21 13 23-2126 EA Cut 1-1/4" Groove Pipe..... For Work In Restricted Working Space, Add	14.26 4.28	
23 21 13 23-2127 EA Cut 1-1/2" Groove Pipe..... For Work In Restricted Working Space, Add	15.51 4.65	
23 21 13 23-2128 EA Cut 2" Groove Pipe..... For Work In Restricted Working Space, Add	17.01 5.10	
23 21 13 23-2129 EA Cut 2-1/2" Groove Pipe..... For Work In Restricted Working Space, Add	18.42 5.53	
23 21 13 23-2130 EA Cut 3" Groove Pipe..... For Work In Restricted Working Space, Add	20.10 6.03	
23 21 13 23-2131 EA Cut 3-1/2" Groove Pipe..... For Work In Restricted Working Space, Add	21.31 6.39	
23 21 13 23-2132 EA Cut 4" Groove Pipe..... For Work In Restricted Working Space, Add	22.67 6.80	
23 21 13 23-2133 EA Cut 5" Groove Pipe..... For Work In Restricted Working Space, Add	24.56 7.37	
23 21 13 23-2134 EA Cut 6" Groove Pipe..... For Work In Restricted Working Space, Add	25.27 7.58	
23 21 13 23-2135 EA Cut 8" Groove Pipe..... For Work In Restricted Working Space, Add	32.75 9.83	
23 21 13 23-2136 EA Cut 10" Groove Pipe..... For Work In Restricted Working Space, Add	46.54 13.96	
23 21 13 23-2137 EA Cut 12" Groove Pipe..... For Work In Restricted Working Space, Add	58.95 17.69	
23 21 13 23-2138 EA Cut 14" Groove Pipe..... For Work In Restricted Working Space, Add	88.43 26.53	
23 21 13 23-2139 EA Cut 16" Groove Pipe..... For Work In Restricted Working Space, Add	93.08 27.92	
23 21 13 23-2140 EA Cut 18" Groove Pipe..... For Work In Restricted Working Space, Add	98.25 29.48	
23 21 13 23-2141 EA Cut 20" Groove Pipe..... For Work In Restricted Working Space, Add	104.03 31.21	
23 21 13 23-2142 EA Cut 24" Groove Pipe..... For Work In Restricted Working Space, Add	117.90 35.37	
23 21 13 23-2143 Roll Grooved Pipe (23 21 13 23-2122) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2144 EA Roll 3/4" Groove..... For Work In Restricted Working Space, Add	6.65 2.00	
23 21 13 23-2145 EA Roll 1" Groove..... For Work In Restricted Working Space, Add	7.75 2.33	
23 21 13 23-2146 EA Roll 1-1/4" Groove..... For Work In Restricted Working Space, Add	8.84 2.65	
23 21 13 23-2147 EA Roll 1-1/2" Groove..... For Work In Restricted Working Space, Add	9.94 2.98	
23 21 13 23-2148 EA Roll 2" Groove..... For Work In Restricted Working Space, Add	15.25 4.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2149	EA	Roll 2-1/2" Groove	16.07		
		For Work In Restricted Working Space, Add	4.82		
23 21 13 23-2150	EA	Roll 3" Groove.....	17.68		
		For Work In Restricted Working Space, Add	5.30		
23 21 13 23-2151	EA	Roll 3-1/2" Groove	18.81		
		For Work In Restricted Working Space, Add	5.64		
23 21 13 23-2152	EA	Roll 4" Groove.....	20.56		
		For Work In Restricted Working Space, Add	6.17		
23 21 13 23-2153	EA	Roll 5" Groove.....	21.06		
		For Work In Restricted Working Space, Add	6.32		
23 21 13 23-2154	EA	Roll 6" Groove.....	22.11		
		For Work In Restricted Working Space, Add	6.63		
23 21 13 23-2155	EA	Roll 8" Groove.....	26.80		
		For Work In Restricted Working Space, Add	8.04		
23 21 13 23-2156	EA	Roll 10" Groove.....	30.49		
		For Work In Restricted Working Space, Add	9.15		
23 21 13 23-2157	EA	Roll 12" Groove.....	38.45		
		For Work In Restricted Working Space, Add	11.54		
23 21 13 23-2158	EA	Roll 14" Groove.....	58.95		
		For Work In Restricted Working Space, Add	17.69		
23 21 13 23-2159	EA	Roll 16" Groove.....	63.16		
		For Work In Restricted Working Space, Add	18.95		
23 21 13 23-2160	EA	Roll 18" Groove.....	65.50		
		For Work In Restricted Working Space, Add	19.65		
23 21 13 23-2161	EA	Roll 20" Groove.....	70.74		
		For Work In Restricted Working Space, Add	21.22		
23 21 13 23-2162	EA	Roll 24" Groove.....	76.89		
		For Work In Restricted Working Space, Add	23.07		
23 21 13 23-2163 Standard Gaskets (23 21 13 23-2122)					
Note: For use on replacement of existing gaskets.					
23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	14.87		
		For Work In Restricted Working Space, Add	1.39		
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.79		
		For Work In Restricted Working Space, Add	1.67		
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.70		
		For Work In Restricted Working Space, Add	1.85		
23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.39		
		For Work In Restricted Working Space, Add	2.08		
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.05		
		For Work In Restricted Working Space, Add	2.28		
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.86		
		For Work In Restricted Working Space, Add	2.38		
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.09		
		For Work In Restricted Working Space, Add	2.69		
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.05		
		For Work In Restricted Working Space, Add	2.92		
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.59		
		For Work In Restricted Working Space, Add	3.08		
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	35.80		
		For Work In Restricted Working Space, Add	3.17		
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.37		
		For Work In Restricted Working Space, Add	3.33		
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	51.54		
		For Work In Restricted Working Space, Add	4.17		
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	63.70		
		For Work In Restricted Working Space, Add	4.63		
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	75.91		
		For Work In Restricted Working Space, Add	5.95		
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	106.75		
		For Work In Restricted Working Space, Add	8.77		
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	138.96		
		For Work In Restricted Working Space, Add	9.47		
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	162.39		
		For Work In Restricted Working Space, Add	9.80		
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	234.28		
		For Work In Restricted Working Space, Add	10.41		
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	317.07		
		For Work In Restricted Working Space, Add	11.90		
23 21 13 23-2183 Copper Grooved-Joint Pipe Fittings (23 21 13 23)					
Note: Couplings are not included with fittings.					
23 21 13 23-2184 Grooved Fittings (23 21 13 23-2183)					
23 21 13 23-2185 Grooved 90 Degree Elbows (23 21 13 23-2184)					
23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved.....	155.27	18.11	
		For Work In Restricted Working Space, Add	10.89		
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	172.97	22.11	
		For Work In Restricted Working Space, Add	13.26		
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved.....	233.98	26.77	
		For Work In Restricted Working Space, Add	16.08		

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2189 EA 4" Copper 90 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	484.75 21.22	35.32
23 21 13 23-2190 EA 5" Copper 90 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	1,261.95 26.53	44.20
23 21 13 23-2191 EA 6" Copper 90 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	1,988.45 34.71	57.87
23 21 13 23-2192 EA 8" Copper 90 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	3,653.46 41.32	68.86
23 21 13 23-2193 Grooved 45 Degree Elbows (23 21 13 23-2184)		
23 21 13 23-2194 EA 2" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	155.27 10.89	18.11
23 21 13 23-2195 EA 2-1/2" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	172.97 13.26	22.11
23 21 13 23-2196 EA 3" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	233.98 16.08	26.77
23 21 13 23-2197 EA 4" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	484.75 21.22	35.32
23 21 13 23-2198 EA 5" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	1,261.95 26.53	44.20
23 21 13 23-2199 EA 6" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	1,988.45 34.71	57.87
23 21 13 23-2200 EA 8" Copper 45 Degree Elbow, Grooved..... For Work In Restricted Working Space, Add	3,653.46 41.32	68.86
23 21 13 23-2201 Grooved Tees (23 21 13 23-2184)		
23 21 13 23-2202 EA 2" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	248.43 16.01	26.66
23 21 13 23-2203 EA 2-1/2" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	272.49 19.65	32.76
23 21 13 23-2204 EA 3" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	388.43 24.11	40.20
23 21 13 23-2205 EA 4" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	779.36 31.21	51.98
23 21 13 23-2206 EA 5" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	3,107.80 40.82	67.97
23 21 13 23-2207 EA 6" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	2,504.72 51.04	85.08
23 21 13 23-2208 EA 8" Copper Tee, Grooved..... For Work In Restricted Working Space, Add	4,375.35 61.98	103.29
23 21 13 23-2209 Grooved Reducing Tees (23 21 13 23-2184)		
23 21 13 23-2210 EA 2-1/2" Copper Tee, Reducing, Grooved..... For Work In Restricted Working Space, Add	374.08 19.65	32.76
23 21 13 23-2211 EA 3" Copper Tee, Reducing, Grooved..... For Work In Restricted Working Space, Add	604.13 24.11	40.20
23 21 13 23-2212 EA 4" Copper Tee, Reducing, Grooved..... For Work In Restricted Working Space, Add	991.25 31.21	52.09
23 21 13 23-2213 EA 5" Copper Tee, Reducing, Grooved..... For Work In Restricted Working Space, Add	2,843.88 40.82	68.08
23 21 13 23-2214 EA 6" Copper Tee, Reducing, Grooved..... For Work In Restricted Working Space, Add	3,476.14 51.04	85.08
23 21 13 23-2215 Grooved X Cup Reducing Tees (23 21 13 23-2184)		
23 21 13 23-2216 EA 2" Copper Tee, Reducing, Grooved X Cup..... For Work In Restricted Working Space, Add	302.76 16.01	26.66
23 21 13 23-2217 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup..... For Work In Restricted Working Space, Add	375.19 19.65	32.76
23 21 13 23-2218 EA 3" Copper Tee, Reducing, Grooved X Cup..... For Work In Restricted Working Space, Add	653.02 24.11	40.20
23 21 13 23-2219 EA 4" Copper Tee, Reducing, Grooved X Cup..... For Work In Restricted Working Space, Add	991.25 31.21	51.98
23 21 13 23-2220 Grooved Flanged Adapter Nipples (23 21 13 23-2184)		
23 21 13 23-2221 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	552.76 11.84	19.66
23 21 13 23-2222 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	582.33 14.34	23.88
23 21 13 23-2223 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	617.04 17.12	28.54
23 21 13 23-2224 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	690.79 23.07	38.43
23 21 13 23-2225 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	918.31 27.92	46.54
23 21 13 23-2226 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For Work In Restricted Working Space, Add	1,023.72 37.73	62.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-2227		Grooved Concentric Reducers (23 21 13 23-2184)			
23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	211.13		20.21
		For Work In Restricted Working Space, Add	12.16		
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	215.58		22.55
		For Work In Restricted Working Space, Add	13.49		
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	224.20		26.77
		For Work In Restricted Working Space, Add	16.08		
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	402.69		26.99
		For Work In Restricted Working Space, Add	16.16		
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	406.59		28.87
		For Work In Restricted Working Space, Add	17.33		
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	411.02		31.10
		For Work In Restricted Working Space, Add	18.66		
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,052.29		35.54
		For Work In Restricted Working Space, Add	21.33		
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,061.17		39.98
		For Work In Restricted Working Space, Add	23.99		
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,146.57		42.21
		For Work In Restricted Working Space, Add	25.33		
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,155.45		46.65
		For Work In Restricted Working Space, Add	27.99		
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,164.35		51.09
		For Work In Restricted Working Space, Add	30.66		
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	1,990.69		63.30
		For Work In Restricted Working Space, Add	37.98		
23 21 13 23-2240		Grooved X Cup Concentric Reducers (23 21 13 23-2184)			
23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	169.59		14.22
		For Work In Restricted Working Space, Add	8.50		
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	170.71		14.77
		For Work In Restricted Working Space, Add	8.83		
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	174.10		16.44
		For Work In Restricted Working Space, Add	9.85		
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	204.51		15.88
		For Work In Restricted Working Space, Add	9.52		
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	205.61		16.44
		For Work In Restricted Working Space, Add	9.85		
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	208.87		18.11
		For Work In Restricted Working Space, Add	10.83		
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	213.31		20.21
		For Work In Restricted Working Space, Add	12.16		
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	255.12		20.21
		For Work In Restricted Working Space, Add	12.16		
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	259.57		22.55
		For Work In Restricted Working Space, Add	13.49		
23 21 13 23-2250	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	452.13		26.88
		For Work In Restricted Working Space, Add	16.16		
23 21 13 23-2251		Grooved Standard Couplings (23 21 13 23-2184)			
23 21 13 23-2252	EA	2" Copper Standard Coupling, Grooved	59.17		9.10
		For Work In Restricted Working Space, Add	5.45		
23 21 13 23-2253	EA	2-1/2" Copper Standard Coupling, Grooved	69.13		11.11
		For Work In Restricted Working Space, Add	6.63		
23 21 13 23-2254	EA	3" Copper Standard Coupling, Grooved	78.15		13.21
		For Work In Restricted Working Space, Add	7.92		
23 21 13 23-2255	EA	4" Copper Standard Coupling, Grooved	114.58		17.77
		For Work In Restricted Working Space, Add	10.61		
23 21 13 23-2256	EA	5" Copper Standard Coupling, Grooved	178.96		22.11
		For Work In Restricted Working Space, Add	13.26		
23 21 13 23-2257	EA	6" Copper Standard Coupling, Grooved	235.83		28.87
		For Work In Restricted Working Space, Add	17.36		
23 21 13 23-2258	EA	8" Copper Standard Coupling, Grooved	345.94		34.43
		For Work In Restricted Working Space, Add	20.66		
23 21 13 23-2259		Grooved Caps (23 21 13 23-2184)			
23 21 13 23-2260	EA	2" Copper Cap, Grooved	100.17		9.10
		For Work In Restricted Working Space, Add	5.45		
23 21 13 23-2261	EA	2-1/2" Copper Cap, Grooved	143.82		11.11
		For Work In Restricted Working Space, Add	6.63		
23 21 13 23-2262	EA	3" Copper Cap, Grooved	177.43		13.21
		For Work In Restricted Working Space, Add	7.92		
23 21 13 23-2263	EA	4" Copper Cap, Grooved	261.93		17.66
		For Work In Restricted Working Space, Add	10.61		
23 21 13 23-2264	EA	5" Copper Cap, Grooved	445.91		22.11
		For Work In Restricted Working Space, Add	13.26		
23 21 13 23-2265	EA	6" Copper Cap, Grooved	520.20		28.87
		For Work In Restricted Working Space, Add	17.36		



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2266		Grooved Valves (23 21 13 23-2183)		
23 21 13 23-2267		Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2266)		
		Note: Copper body.		
23 21 13 23-2268	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	479.38	11.88
		For Work In Restricted Working Space, Add	7.16	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2269	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	545.56	17.66
		For Work In Restricted Working Space, Add	10.61	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2270	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	721.16	23.21
		For Work In Restricted Working Space, Add	13.96	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2271	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	962.84	38.10
		For Work In Restricted Working Space, Add	22.83	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2272	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,062.34	53.54
		For Work In Restricted Working Space, Add	32.14	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2273		Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2266)		
		Note: Copper body.		
23 21 13 23-2274	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	585.44	11.88
		For Work In Restricted Working Space, Add	7.16	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2275	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	651.69	17.66
		For Work In Restricted Working Space, Add	10.61	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2276	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	827.29	23.21
		For Work In Restricted Working Space, Add	13.96	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2277	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,069.04	38.10
		For Work In Restricted Working Space, Add	22.83	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2278	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,168.47	53.54
		For Work In Restricted Working Space, Add	32.14	
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2279		Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
		Note: Socket or back weld.		
23 21 13 23-2280		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2279)		
		Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2281		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2280)		
23 21 13 23-2282	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.19	3.17
		For Work In Restricted Working Space, Add	1.43	
23 21 13 23-2283	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.50	3.97
		For Work In Restricted Working Space, Add	1.79	
23 21 13 23-2284	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.14	4.23
		For Work In Restricted Working Space, Add	1.90	
23 21 13 23-2285	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.88	4.55
		For Work In Restricted Working Space, Add	2.05	
23 21 13 23-2286	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.14	4.63
		For Work In Restricted Working Space, Add	2.08	
23 21 13 23-2287	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.95	5.54
		For Work In Restricted Working Space, Add	2.50	
23 21 13 23-2288	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.45	6.59
		For Work In Restricted Working Space, Add	2.96	
23 21 13 23-2289	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.29	7.97
		For Work In Restricted Working Space, Add	3.58	
23 21 13 23-2290	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	22.74	11.94
		For Work In Restricted Working Space, Add	5.38	
23 21 13 23-2291	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.30	15.92
		For Work In Restricted Working Space, Add	7.17	
23 21 13 23-2292	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	41.25	18.98
		For Work In Restricted Working Space, Add	8.54	
23 21 13 23-2293	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	70.86	21.20
		For Work In Restricted Working Space, Add	9.53	
23 21 13 23-2294		Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2280)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2295	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	18.79	11.99
		<i>For Work In Restricted Working Space, Add</i>	5.38	
23 21 13 23-2296	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	25.11	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 21 13 23-2297	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	31.80	19.77
		<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-2298	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	45.92	27.99
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 21 13 23-2299	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	51.53	31.54
		<i>For Work In Restricted Working Space, Add</i>	14.18	
23 21 13 23-2300	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	66.75	40.09
		<i>For Work In Restricted Working Space, Add</i>	18.01	
23 21 13 23-2301	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	109.26	59.31
		<i>For Work In Restricted Working Space, Add</i>	26.66	
23 21 13 23-2302	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	141.42	77.97
		<i>For Work In Restricted Working Space, Add</i>	35.07	
23 21 13 23-2303	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	182.61	92.63
		<i>For Work In Restricted Working Space, Add</i>	41.65	
23 21 13 23-2304	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	263.51	105.84
		<i>For Work In Restricted Working Space, Add</i>	47.60	
23 21 13 23-2305	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	455.05	123.51
		<i>For Work In Restricted Working Space, Add</i>	55.53	
23 21 13 23-2306	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	680.53	184.14
		<i>For Work In Restricted Working Space, Add</i>	82.80	
23 21 13 23-2307 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2280)				
23 21 13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	19.23	11.99
		<i>For Work In Restricted Working Space, Add</i>	5.38	
23 21 13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.98	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 21 13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.02	19.77
		<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	46.71	27.99
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 21 13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	53.28	31.54
		<i>For Work In Restricted Working Space, Add</i>	14.18	
23 21 13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	67.88	40.09
		<i>For Work In Restricted Working Space, Add</i>	18.01	
23 21 13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	109.26	59.31
		<i>For Work In Restricted Working Space, Add</i>	26.66	
23 21 13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	148.74	77.97
		<i>For Work In Restricted Working Space, Add</i>	35.07	
23 21 13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	195.96	92.63
		<i>For Work In Restricted Working Space, Add</i>	41.65	
23 21 13 23-2317	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	264.73	105.84
		<i>For Work In Restricted Working Space, Add</i>	47.60	
23 21 13 23-2318	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	440.31	123.51
		<i>For Work In Restricted Working Space, Add</i>	55.53	
23 21 13 23-2319	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	680.53	184.14
		<i>For Work In Restricted Working Space, Add</i>	82.80	
23 21 13 23-2320 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2280)				
23 21 13 23-2321	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	30.67	19.77
		<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	36.96	23.88
		<i>For Work In Restricted Working Space, Add</i>	10.75	
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	49.44	31.54
		<i>For Work In Restricted Working Space, Add</i>	14.18	
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	63.52	40.09
		<i>For Work In Restricted Working Space, Add</i>	18.01	
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	75.92	47.76
		<i>For Work In Restricted Working Space, Add</i>	21.50	
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	95.04	59.31
		<i>For Work In Restricted Working Space, Add</i>	26.66	
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	137.49	77.97
		<i>For Work In Restricted Working Space, Add</i>	35.07	
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	165.78	92.63
		<i>For Work In Restricted Working Space, Add</i>	41.65	
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	233.95	123.51
		<i>For Work In Restricted Working Space, Add</i>	55.53	
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	403.52	159.27
		<i>For Work In Restricted Working Space, Add</i>	71.66	
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	678.18	197.59
		<i>For Work In Restricted Working Space, Add</i>	88.85	
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	1,937.45	295.20
		<i>For Work In Restricted Working Space, Add</i>	132.79	
23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2280)				
23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	38.66	24.65
		<i>For Work In Restricted Working Space, Add</i>	11.11	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2335 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	46.56 13.43	29.88
23 21 13 23-2336 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	62.50 17.72	39.43
23 21 13 23-2337 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	80.52 22.52	50.09
23 21 13 23-2338 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	96.27 26.87	59.75
23 21 13 23-2339 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	120.77 33.32	74.08
23 21 13 23-2340 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	178.41 43.84	97.52
23 21 13 23-2341 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	215.78 52.06	115.73
23 21 13 23-2342 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	307.96 69.42	154.37
23 21 13 23-2343 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	556.56 89.53	199.03
23 21 13 23-2344 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	968.86 111.01	246.78
23 21 13 23-2345 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses For Work In Restricted Working Space, Add	2,896.84 166.07	369.17
23 21 13 23-2346 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2280)		
23 21 13 23-2347 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	19.36 5.57	12.22
23 21 13 23-2348 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	25.44 7.13	15.66
23 21 13 23-2349 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts For Work In Restricted Working Space, Add	33.96 9.53	20.99
23 21 13 23-2350 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts For Work In Restricted Working Space, Add	41.90 11.89	26.10
23 21 13 23-2351 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	51.54 14.31	31.43
23 21 13 23-2352 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts For Work In Restricted Working Space, Add	72.27 19.85	43.65
23 21 13 23-2353 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	100.61 27.44	60.30
23 21 13 23-2354 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	134.33 34.10	74.97
23 21 13 23-2355 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	183.58 39.67	87.29
23 21 13 23-2356 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	448.16 45.84	100.85
23 21 13 23-2357 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... For Work In Restricted Working Space, Add	532.83 61.48	135.28
23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2280)		
23 21 13 23-2359 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	19.75 5.38	11.99
23 21 13 23-2360 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	25.72 7.17	15.88
23 21 13 23-2361 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	31.89 8.89	19.77
23 21 13 23-2362 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	45.40 12.57	27.99
23 21 13 23-2363 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	51.27 14.18	31.54
23 21 13 23-2364 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	65.52 18.01	40.09
23 21 13 23-2365 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	96.79 26.66	59.31
23 21 13 23-2366 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	126.07 35.07	77.97
23 21 13 23-2367 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts For Work In Restricted Working Space, Add	159.50 41.65	92.63
23 21 13 23-2368 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2280)		
23 21 13 23-2369 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	20.36 5.38	11.99
23 21 13 23-2370 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	26.33 7.17	15.88
23 21 13 23-2371 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	33.11 8.89	19.77
23 21 13 23-2372 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	46.10 12.57	27.99
23 21 13 23-2373 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... For Work In Restricted Working Space, Add	52.84 14.18	31.54

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	66.92 18.01	40.09
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	98.36 26.66	59.31
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	130.87 35.07	77.97
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	156.71 41.65	92.63
23 21 13 23-2378 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2280)				
23 21 13 23-2379	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	18.79 5.38	11.99
23 21 13 23-2380	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.02 7.17	15.88
23 21 13 23-2381	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	30.93 8.89	19.77
23 21 13 23-2382	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	44.00 12.57	27.99
23 21 13 23-2383	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	49.70 14.18	31.54
23 21 13 23-2384	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	63.34 18.01	40.09
23 21 13 23-2385	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	103.24 26.66	59.31
23 21 13 23-2386	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	136.27 35.07	77.97
23 21 13 23-2387	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	170.83 41.65	92.63
23 21 13 23-2388 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2280)				
23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	30.80 7.33	16.32
23 21 13 23-2390 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2280)				
23 21 13 23-2391	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	18.44 5.38	11.99
23 21 13 23-2392	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	24.59 7.17	15.88
23 21 13 23-2393	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	30.93 8.89	19.77
23 21 13 23-2394	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	43.65 12.57	27.99
23 21 13 23-2395	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	49.18 14.18	31.54
23 21 13 23-2396	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	62.99 18.01	40.09
23 21 13 23-2397	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	95.48 26.66	59.31
23 21 13 23-2398	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	127.29 35.07	77.97
23 21 13 23-2399	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	153.92 41.65	92.63
23 21 13 23-2400	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	206.46 47.60	105.84
23 21 13 23-2401	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	274.42 55.53	123.51
23 21 13 23-2402	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	608.32 59.52	132.39
23 21 13 23-2403 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2280)				
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	36.68 8.89	19.77
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	50.57 10.75	23.88
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	63.74 14.18	31.54
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	100.15 18.01	40.09
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	113.51 21.50	47.76
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	145.28 26.66	59.31
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	219.30 35.07	77.97
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	247.33 41.65	92.63
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	400.27 55.53	123.51



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	527.17	159.27	
		For Work In Restricted Working Space, Add	71.63		
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	771.86	197.47	
		For Work In Restricted Working Space, Add	88.80		
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,151.89	245.12	
		For Work In Restricted Working Space, Add	110.27		
23 21 13 23-2416 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2280)					
23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	8.88	5.40	
		For Work In Restricted Working Space, Add	2.45		
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.63	7.11	
		For Work In Restricted Working Space, Add	3.23		
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	14.72	8.77	
		For Work In Restricted Working Space, Add	4.00		
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	21.05	12.61	
		For Work In Restricted Working Space, Add	5.74		
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	23.36	14.00	
		For Work In Restricted Working Space, Add	6.38		
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	29.54	17.89	
		For Work In Restricted Working Space, Add	8.10		
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	48.27	26.44	
		For Work In Restricted Working Space, Add	11.99		
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	61.59	34.76	
		For Work In Restricted Working Space, Add	15.78		
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	83.05	41.21	
		For Work In Restricted Working Space, Add	18.74		
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	120.68	47.09	
		For Work In Restricted Working Space, Add	21.42		
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	248.14	54.98	
		For Work In Restricted Working Space, Add	24.99		
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	734.12	81.97	
		For Work In Restricted Working Space, Add	37.26		
23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2280)					
23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges.....	47.15	19.77	
		For Work In Restricted Working Space, Add	8.89		
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	62.69	23.88	
		For Work In Restricted Working Space, Add	10.75		
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	77.17	31.54	
		For Work In Restricted Working Space, Add	14.18		
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	90.82	40.09	
		For Work In Restricted Working Space, Add	18.01		
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	103.13	47.76	
		For Work In Restricted Working Space, Add	21.50		
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	130.71	59.31	
		For Work In Restricted Working Space, Add	26.66		
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	181.54	77.97	
		For Work In Restricted Working Space, Add	35.07		
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	210.17	92.63	
		For Work In Restricted Working Space, Add	41.65		
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	275.46	123.51	
		For Work In Restricted Working Space, Add	55.53		
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	380.82	159.27	
		For Work In Restricted Working Space, Add	71.63		
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	616.53	197.47	
		For Work In Restricted Working Space, Add	88.80		
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges.....	1,089.39	244.79	
		For Work In Restricted Working Space, Add	110.10		
23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2279)					
Note: ASTM D1785 with D2467 fittings.					
23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2442)					
23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.31	3.22	
		For Work In Restricted Working Space, Add	1.43		
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.66	4.00	
		For Work In Restricted Working Space, Add	1.79		
23 21 13 23-2446	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.18	4.77	
		For Work In Restricted Working Space, Add	2.14		
23 21 13 23-2447	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	9.76	5.55	
		For Work In Restricted Working Space, Add	2.51		
23 21 13 23-2448	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	11.23	6.33	
		For Work In Restricted Working Space, Add	2.86		
23 21 13 23-2449	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	14.40	8.00	
		For Work In Restricted Working Space, Add	3.58		
23 21 13 23-2450	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	16.79	8.77	
		For Work In Restricted Working Space, Add	3.94		
23 21 13 23-2451	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	19.18	9.55	
		For Work In Restricted Working Space, Add	4.30		
23 21 13 23-2452	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe.....	25.04	11.99	
		For Work In Restricted Working Space, Add	5.38		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2453	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	37.42	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 21 13 23-2454	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	49.10	18.99
		<i>For Work In Restricted Working Space, Add</i>	8.54	
23 21 13 23-2455	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	94.20	20.43
		<i>For Work In Restricted Working Space, Add</i>	9.20	
23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2442)				
23 21 13 23-2457	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	21.06	11.99
		<i>For Work In Restricted Working Space, Add</i>	5.38	
		<i>For Threaded Fittings, Add</i>	2.69	
23 21 13 23-2458	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	27.99	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.17	
		<i>For Threaded Fittings, Add</i>	3.58	
23 21 13 23-2459	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	36.25	19.77
		<i>For Work In Restricted Working Space, Add</i>	8.89	
		<i>For Threaded Fittings, Add</i>	4.44	
23 21 13 23-2460	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	50.72	27.99
		<i>For Work In Restricted Working Space, Add</i>	12.57	
		<i>For Threaded Fittings, Add</i>	6.29	
23 21 13 23-2461	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	56.68	31.54
		<i>For Work In Restricted Working Space, Add</i>	14.18	
		<i>For Threaded Fittings, Add</i>	7.09	
23 21 13 23-2462	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	71.46	40.09
		<i>For Work In Restricted Working Space, Add</i>	18.01	
		<i>For Threaded Fittings, Add</i>	9.00	
23 21 13 23-2463	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.63	59.31
		<i>For Work In Restricted Working Space, Add</i>	26.66	
		<i>For Threaded Fittings, Add</i>	13.33	
23 21 13 23-2464	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	147.00	77.97
		<i>For Work In Restricted Working Space, Add</i>	35.07	
		<i>For Threaded Fittings, Add</i>	17.54	
23 21 13 23-2465	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	184.53	92.63
		<i>For Work In Restricted Working Space, Add</i>	41.65	
		<i>For Threaded Fittings, Add</i>	20.82	
23 21 13 23-2466	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	323.77	105.84
		<i>For Work In Restricted Working Space, Add</i>	47.60	
		<i>For Threaded Fittings, Add</i>	23.80	
23 21 13 23-2467	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	544.01	123.51
		<i>For Work In Restricted Working Space, Add</i>	55.53	
		<i>For Threaded Fittings, Add</i>	27.77	
23 21 13 23-2468	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	680.53	184.14
		<i>For Work In Restricted Working Space, Add</i>	82.80	
		<i>For Threaded Fittings, Add</i>	41.40	
23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2442)				
23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.94	11.99
		<i>For Work In Restricted Working Space, Add</i>	5.38	
		<i>For Threaded Fittings, Add</i>	2.69	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.05	15.88
		<i>For Work In Restricted Working Space, Add</i>	7.17	
		<i>For Threaded Fittings, Add</i>	3.58	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.40	19.77
		<i>For Work In Restricted Working Space, Add</i>	8.89	
		<i>For Threaded Fittings, Add</i>	4.44	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	59.53	27.99
		<i>For Work In Restricted Working Space, Add</i>	12.57	
		<i>For Threaded Fittings, Add</i>	6.29	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	68.02	31.54
		<i>For Work In Restricted Working Space, Add</i>	14.18	
		<i>For Threaded Fittings, Add</i>	7.09	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	86.98	40.09
		<i>For Work In Restricted Working Space, Add</i>	18.01	
		<i>For Threaded Fittings, Add</i>	9.00	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	145.55	59.31
		<i>For Work In Restricted Working Space, Add</i>	26.66	
		<i>For Threaded Fittings, Add</i>	13.33	
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	185.90	77.97
		<i>For Work In Restricted Working Space, Add</i>	35.07	
		<i>For Threaded Fittings, Add</i>	17.54	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	263.12	92.63
		<i>For Work In Restricted Working Space, Add</i>	41.65	
		<i>For Threaded Fittings, Add</i>	20.82	
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	315.15	105.84
		<i>For Work In Restricted Working Space, Add</i>	47.60	
		<i>For Threaded Fittings, Add</i>	23.80	
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	524.41	123.51
		<i>For Work In Restricted Working Space, Add</i>	55.53	
		<i>For Threaded Fittings, Add</i>	27.77	
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	658.49	184.14
		<i>For Work In Restricted Working Space, Add</i>	82.80	
		<i>For Threaded Fittings, Add</i>	41.40	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21 13 23-2482 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2442)				
23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	37.10	18.77
		For Work In Restricted Working Space, Add	8.44	
		For Threaded Fittings, Add	4.22	
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	45.25	23.88
		For Work In Restricted Working Space, Add	10.75	
		For Threaded Fittings, Add	5.37	
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	59.04	31.54
		For Work In Restricted Working Space, Add	14.18	
		For Threaded Fittings, Add	7.09	
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	92.57	40.09
		For Work In Restricted Working Space, Add	18.01	
		For Threaded Fittings, Add	9.00	
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	104.19	47.76
		For Work In Restricted Working Space, Add	21.50	
		For Threaded Fittings, Add	10.75	
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	129.58	59.31
		For Work In Restricted Working Space, Add	26.66	
		For Threaded Fittings, Add	13.33	
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	161.22	77.97
		For Work In Restricted Working Space, Add	35.07	
		For Threaded Fittings, Add	17.54	
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	194.13	92.63
		For Work In Restricted Working Space, Add	41.65	
		For Threaded Fittings, Add	20.82	
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	249.22	123.51
		For Work In Restricted Working Space, Add	55.53	
		For Threaded Fittings, Add	27.77	
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	457.87	159.27
		For Work In Restricted Working Space, Add	71.66	
		For Threaded Fittings, Add	35.83	
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	804.16	197.59
		For Work In Restricted Working Space, Add	88.85	
		For Threaded Fittings, Add	44.43	
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,937.55	295.20
		For Work In Restricted Working Space, Add	132.79	
		For Threaded Fittings, Add	66.39	
23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2442)				
23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	49.23	23.43
		For Work In Restricted Working Space, Add	10.55	
		For Threaded Fittings, Add	5.27	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	59.54	29.88
		For Work In Restricted Working Space, Add	13.43	
		For Threaded Fittings, Add	6.72	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	77.53	39.43
		For Work In Restricted Working Space, Add	17.72	
		For Threaded Fittings, Add	8.86	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	126.05	50.09
		For Work In Restricted Working Space, Add	22.52	
		For Threaded Fittings, Add	11.26	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	140.57	59.75
		For Work In Restricted Working Space, Add	26.87	
		For Threaded Fittings, Add	13.44	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	174.91	74.08
		For Work In Restricted Working Space, Add	33.32	
		For Threaded Fittings, Add	16.66	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	215.61	97.52
		For Work In Restricted Working Space, Add	43.84	
		For Threaded Fittings, Add	21.92	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	260.23	115.73
		For Work In Restricted Working Space, Add	52.06	
		For Threaded Fittings, Add	26.03	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	331.89	154.37
		For Work In Restricted Working Space, Add	69.42	
		For Threaded Fittings, Add	34.71	
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	641.77	199.03
		For Work In Restricted Working Space, Add	89.53	
		For Threaded Fittings, Add	44.76	
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,166.35	246.78
		For Work In Restricted Working Space, Add	111.01	
		For Threaded Fittings, Add	55.50	
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,897.00	369.17
		For Work In Restricted Working Space, Add	166.07	
		For Threaded Fittings, Add	83.03	
23 21 13 23-2508 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2442)				
23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	25.72	15.88
		For Work In Restricted Working Space, Add	7.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	34.94 8.89	19.77
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	50.28 12.57	27.99
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	58.68 14.18	31.54
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	76.34 18.01	40.09
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	117.11 26.66	59.31
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	161.83 35.07	77.97
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	201.10 41.65	92.63
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	227.74 47.60	105.84
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	338.43 55.53	123.51
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	542.97 64.51	143.39
23 21 13 23-2520 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2442)				
23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.53 5.38	11.99
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	27.29 7.17	15.88
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	34.94 8.89	19.77
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	52.72 12.57	27.99
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	60.87 14.18	31.54
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	76.69 18.01	40.09
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	124.08 26.66	59.31
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	182.15 35.07	77.97
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	239.13 41.65	92.63
23 21 13 23-2530 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2442)				
23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.33 5.38	11.99
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	32.09 7.17	15.88
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	43.92 8.89	19.77
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	58.66 12.57	27.99
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	71.33 14.18	31.54
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	91.43 18.01	40.09
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	124.61 26.66	59.31
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	156.59 35.07	77.97
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	209.39 41.65	92.63
23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2442)				
23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.33 5.38	11.99
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.91 7.17	15.88
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	41.48 8.89	19.77
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	61.18 12.57	27.99
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	70.90 14.18	31.54
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	101.20 18.01	40.09
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	153.91 26.66	59.31
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	190.17 35.07	77.97



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... For Work In Restricted Working Space, Add	264.77 41.65	92.63
23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2442)				
23 21 13 23-2551	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	23.68 5.38 2.69	11.99
23 21 13 23-2552	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... For Work In Restricted Working Space, Add For Threaded Fittings, Add	31.65 7.17 3.58	15.88
23 21 13 23-2553	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	37.64 8.89 4.44	19.77
23 21 13 23-2554	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	54.21 12.57 6.29	27.99
23 21 13 23-2555	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	60.52 14.18 7.09	31.54
23 21 13 23-2556	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	74.16 18.01 9.00	40.09
23 21 13 23-2557	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	123.82 26.66 13.33	59.31
23 21 13 23-2558	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	157.12 35.07 17.54	77.97
23 21 13 23-2559	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	189.24 41.65 20.82	92.63
23 21 13 23-2560	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	267.08 47.60 23.80	105.84
23 21 13 23-2561	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	332.68 55.53 27.77	123.51
23 21 13 23-2562	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings For Work In Restricted Working Space, Add For Threaded Fittings, Add	634.49 59.52 29.76	132.39
23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2442)				
23 21 13 23-2564	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	42.53 8.89	19.77
23 21 13 23-2565	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	50.74 10.75	23.88
23 21 13 23-2566	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	64.27 14.18	31.54
23 21 13 23-2567	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	102.59 18.01	40.09
23 21 13 23-2568	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	126.42 21.50	47.76
23 21 13 23-2569	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	163.07 26.66	59.31
23 21 13 23-2570	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	255.11 35.07	77.97
23 21 13 23-2571	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	316.96 41.65	92.63
23 21 13 23-2572	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	400.79 55.53	123.51
23 21 13 23-2573	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	527.17 71.63	159.27
23 21 13 23-2574	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	771.86 88.80	197.47
23 21 13 23-2575	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions For Work In Restricted Working Space, Add	1,151.32 110.10	244.79
23 21 13 23-2576 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2442)				
23 21 13 23-2577	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	44.91	24.68
23 21 13 23-2578	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	53.81	28.54
23 21 13 23-2579	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	65.31	33.66
23 21 13 23-2580	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	88.24	40.09
23 21 13 23-2581	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	106.42	47.76
23 21 13 23-2582	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	141.94	59.31
23 21 13 23-2583	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	306.80	114.95
23 21 13 23-2584	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	332.19	127.51
23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2442)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2586	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.18 2.42 1.21	5.33
23 21 13 23-2587	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.31 3.23 1.61	7.11
23 21 13 23-2588	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.49 4.00 2.00	8.77
23 21 13 23-2589	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.18 5.66 2.83	12.44
23 21 13 23-2590	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.59 6.38 3.19	14.00
23 21 13 23-2591	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.48 8.10 4.05	17.89
23 21 13 23-2592	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	96.41 11.99 6.00	26.44
23 21 13 23-2593	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	121.60 15.78 7.89	34.76
23 21 13 23-2594	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	173.41 18.74 9.37	41.21
23 21 13 23-2595	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	347.01 21.42 10.71	47.09
23 21 13 23-2596	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	461.91 24.99 12.50	54.98
23 21 13 23-2597	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	821.33 37.26 18.63	81.97
23 21 13 23-2598 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2442)				
23 21 13 23-2599	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.65 8.89 4.44	19.77
23 21 13 23-2600	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.69 10.75 5.37	23.88
23 21 13 23-2601	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.18 14.18 7.09	31.54
23 21 13 23-2602	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.82 18.01 9.00	40.09
23 21 13 23-2603	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.14 21.50 10.75	47.76
23 21 13 23-2604	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	130.71 26.66 13.33	59.31
23 21 13 23-2605	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	181.54 35.07 17.54	77.97
23 21 13 23-2606	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	210.17 41.65 20.82	92.63
23 21 13 23-2607	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	275.47 55.53 27.77	123.51
23 21 13 23-2608	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	380.83 71.63 35.81	159.27
23 21 13 23-2609	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	616.53 88.80 44.40	197.47
23 21 13 23-2610	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,089.39 110.10 55.05	244.79
23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2279)				
Note: In place pipe.				
23 21 13 23-2612	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.03 1.81	
23 21 13 23-2613	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.51 1.95	
23 21 13 23-2614	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.33 2.20	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2615	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.69 2.31	
23 21 13 23-2616	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.14 2.44	
23 21 13 23-2617	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.96 2.69	
23 21 13 23-2618	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.65 2.90	
23 21 13 23-2619	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.39 3.42	
23 21 13 23-2620	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	15.38 4.61	
23 21 13 23-2621	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	21.97 6.59	
23 21 13 23-2622	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.31 8.79	
23 21 13 23-2623	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	35.83 10.75	
23 21 13 23-2624		Polyvinylidene Fluoride (PVDF), Socket Weld (23 21 13 23)		
23 21 13 23-2625		Pipe (23 21 13 23-2624)		
23 21 13 23-2626	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	60.17	3.22
23 21 13 23-2627	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	80.81	4.00
23 21 13 23-2628	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	115.41	4.22
23 21 13 23-2629	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	162.71	4.66
23 21 13 23-2630	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	206.48	5.55
23 21 13 23-2631		90 Degree Elbows (23 21 13 23-2624)		
23 21 13 23-2632	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	48.15	11.88
23 21 13 23-2633	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	64.30	15.88
23 21 13 23-2634	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	106.62	19.77
23 21 13 23-2635	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	185.15	31.54
23 21 13 23-2636	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	241.44	40.09
23 21 13 23-2637		45 Degree Elbows (23 21 13 23-2624)		
23 21 13 23-2638	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	55.78	11.99
23 21 13 23-2639	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	75.03	15.88
23 21 13 23-2640	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	106.62	19.77
23 21 13 23-2641	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	159.44	31.54
23 21 13 23-2642	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	234.65	40.09
23 21 13 23-2643		Tees (23 21 13 23-2624)		
23 21 13 23-2644	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	89.52	19.77
23 21 13 23-2645	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	99.41	23.88
23 21 13 23-2646	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	144.18	31.54
23 21 13 23-2647	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	237.51	47.76
23 21 13 23-2648	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	349.94	59.31
23 21 13 23-2649		Reducing Tees (23 21 13 23-2624)		
23 21 13 23-2650	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	101.97	22.22
23 21 13 23-2651	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	143.13	25.88
23 21 13 23-2652	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	146.47	28.10
23 21 13 23-2653	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	252.12	39.98
23 21 13 23-2654	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	378.07	53.31
23 21 13 23-2655		Socket Weld Reducing Couplings (23 21 13 23-2624)		
23 21 13 23-2656	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	54.72	14.11
23 21 13 23-2657	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	70.21	16.32
23 21 13 23-2658	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	77.22	18.55
23 21 13 23-2659	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	118.09	22.22
23 21 13 23-2660	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	126.23	24.43
23 21 13 23-2661	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	128.44	25.88
23 21 13 23-2662	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	181.01	36.32
23 21 13 23-2663		Male Adapters, Socket Weld X Male Thread (23 21 13 23-2624)		
23 21 13 23-2664	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	77.82	11.99
23 21 13 23-2665	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	99.33	15.88
23 21 13 23-2666	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	114.39	19.77
23 21 13 23-2667	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.72	31.54
23 21 13 23-2668	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	199.28	39.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2669	Female Adapters, Socket Weld X Female Thread (23 21 13 23-2624)			
23 21 13 23-2670	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	77.82	11.99
23 21 13 23-2671	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	99.62	15.88
23 21 13 23-2672	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	114.39	19.77
23 21 13 23-2673	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.72	31.54
23 21 13 23-2674	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	199.33	40.09
23 21 13 23-2675	Socket Weld Couplings (23 21 13 23-2624)			
23 21 13 23-2676	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	39.11	11.99
23 21 13 23-2677	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	50.17	15.88
23 21 13 23-2678	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	64.94	19.77
23 21 13 23-2679	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	120.73	31.54
23 21 13 23-2680	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	165.99	40.09
23 21 13 23-2681	Socket Weld Unions (23 21 13 23-2624)			
23 21 13 23-2682	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	161.01	19.77
23 21 13 23-2683	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	192.93	23.88
23 21 13 23-2684	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	278.11	31.54
23 21 13 23-2685	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	488.43	47.76
23 21 13 23-2686	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	601.70	59.31
23 21 13 23-2687	Caps (23 21 13 23-2624)			
23 21 13 23-2688	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	29.92	5.96
23 21 13 23-2689	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	42.32	7.96
23 21 13 23-2690	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	53.20	9.84
23 21 13 23-2691	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	94.28	15.74
23 21 13 23-2692	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	133.97	19.97
23 21 13 23-2693	150 Lb. Socket Weld Flanges (23 21 13 23-2624)			
23 21 13 23-2694	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	109.02	19.99
23 21 13 23-2695	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	137.55	23.66
23 21 13 23-2696	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	181.19	31.87
23 21 13 23-2697	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	260.97	48.20
23 21 13 23-2698	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	413.80	59.31
23 21 13 23-2699	Polyethylene Pipe And Fittings (23 21 13 23)			
23 21 13 23-2700	Small Diameter Tubing (23 21 13 23-2699)			
23 21 13 23-2701	Tubing (23 21 13 23-2700)			
23 21 13 23-2702	LF	1/4" Polyethylene Tubing	3.58	
		For Work In Restricted Working Space, Add	1.01	
23 21 13 23-2703	LF	5/16" Polyethylene Tubing	3.85	
		For Work In Restricted Working Space, Add	1.03	
23 21 13 23-2704	LF	3/8" Polyethylene Tubing	4.05	
		For Work In Restricted Working Space, Add	1.05	
23 21 13 23-2705	LF	1/2" Polyethylene Tubing	4.19	
		For Work In Restricted Working Space, Add	1.13	
23 21 13 23-2706	Chrome Plated Pipe (23 21 13 23)			
23 21 13 23-2707	Chrome Plated Nipples (23 21 13 23-2706)			
23 21 13 23-2708	Close (23 21 13 23-2707)			
23 21 13 23-2709	EA	1/4" Diameter Chrome Plated Nipple, Close.....	20.74	9.65
23 21 13 23-2710	EA	3/8" Diameter Chrome Plated Nipple, Close.....	20.08	10.49
23 21 13 23-2711	EA	1/2" Diameter Chrome Plated Nipple, Close.....	24.76	12.06
23 21 13 23-2712	EA	3/4" Diameter Chrome Plated Nipple, Close.....	32.38	15.32
23 21 13 23-2713	EA	1" Diameter Chrome Plated Nipple, Close.....	43.28	20.14
23 21 13 23-2714	EA	1-1/4" Diameter Chrome Plated Nipple, Close.....	61.24	28.10
23 21 13 23-2715	EA	1-1/2" Diameter Chrome Plated Nipple, Close.....	74.45	32.93
23 21 13 23-2716	EA	2" Diameter Chrome Plated Nipple, Close.....	95.65	41.01
23 21 13 23-2717	1-1/2" Nipples (23 21 13 23-2707)			
23 21 13 23-2718	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	22.10	10.02
23 21 13 23-2719	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	21.16	10.85
23 21 13 23-2720	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	25.39	12.42
23 21 13 23-2721	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	33.49	15.68
23 21 13 23-2722	2" Nipples (23 21 13 23-2707)			
23 21 13 23-2723	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple.....	22.98	10.49
23 21 13 23-2724	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple.....	21.90	11.21

**Heating, Ventilating, and Air-Conditioning (HVAC)****23**

HVAC Piping and Pumps

23 20

Hydronic Piping and Pumps

23 21**23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2725 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	27.25	12.90
23 21 13 23-2726 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	35.09	16.05
23 21 13 23-2727 EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	45.71	20.87
23 21 13 23-2728 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	65.11	28.95
23 21 13 23-2729 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	78.90	33.77
23 21 13 23-2730 2-1/2" Nipples (23 21 13 23-2707)		
23 21 13 23-2731 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	24.26	10.85
23 21 13 23-2732 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	22.69	11.70
23 21 13 23-2733 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	28.40	13.27
23 21 13 23-2734 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	35.94	16.53
23 21 13 23-2735 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	46.97	21.35
23 21 13 23-2736 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	68.75	29.31
23 21 13 23-2737 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	83.73	34.13
23 21 13 23-2738 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	106.27	42.22
23 21 13 23-2739 3" Nipples (23 21 13 23-2707)		
23 21 13 23-2740 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	25.26	11.21
23 21 13 23-2741 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	23.99	12.06
23 21 13 23-2742 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	27.98	12.90
23 21 13 23-2743 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	38.61	16.89
23 21 13 23-2744 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	52.35	21.71
23 21 13 23-2745 EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	72.72	29.80
23 21 13 23-2746 EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	95.03	34.62
23 21 13 23-2747 EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	115.14	42.70
23 21 13 23-2748 3-1/2" Nipples (23 21 13 23-2707)		
23 21 13 23-2749 EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	26.39	11.70
23 21 13 23-2750 EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	26.13	12.42
23 21 13 23-2751 EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	30.82	14.11
23 21 13 23-2752 EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	42.54	17.24
23 21 13 23-2753 EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	54.48	22.07
23 21 13 23-2754 EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	80.45	30.16
23 21 13 23-2755 EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	98.46	34.98
23 21 13 23-2756 EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	122.21	43.06
23 21 13 23-2757 4" Nipples (23 21 13 23-2707)		
23 21 13 23-2758 EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	27.51	12.06
23 21 13 23-2759 EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	26.80	12.90
23 21 13 23-2760 EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	30.99	13.63
23 21 13 23-2761 EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	44.13	17.73
23 21 13 23-2762 EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	56.51	22.56
23 21 13 23-2763 EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	86.34	30.51
23 21 13 23-2764 EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	105.44	35.34
23 21 13 23-2765 EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	130.82	43.43
23 21 13 23-2766 4-1/2" Nipples (23 21 13 23-2707)		
23 21 13 23-2767 EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	28.51	12.42
23 21 13 23-2768 EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	28.95	13.27
23 21 13 23-2769 EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	33.96	14.84
23 21 13 23-2770 EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	45.95	18.09
23 21 13 23-2771 EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	63.32	22.92
23 21 13 23-2772 EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	92.01	30.99
23 21 13 23-2773 EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	108.60	35.83
23 21 13 23-2774 EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	138.75	43.91
23 21 13 23-2775 5" Nipples (23 21 13 23-2707)		
23 21 13 23-2776 EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	31.79	12.90
23 21 13 23-2777 EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	30.33	13.63
23 21 13 23-2778 EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	35.17	15.32
23 21 13 23-2779 EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	47.69	18.45
23 21 13 23-2780 EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	67.49	23.28
23 21 13 23-2781 EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	97.16	31.36
23 21 13 23-2782 EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	115.61	36.19
23 21 13 23-2783 EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	143.89	44.26
23 21 13 23-2784 5-1/2" Nipples (23 21 13 23-2707)		
23 21 13 23-2785 EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	32.82	13.27
23 21 13 23-2786 EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	31.42	14.11
23 21 13 23-2787 EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	38.42	15.68
23 21 13 23-2788 EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	49.44	18.93
23 21 13 23-2789 EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	69.71	23.76
23 21 13 23-2790 EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	103.38	31.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2791	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	121.21	36.55	
23 21 13 23-2792	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	150.43	44.62	
23 21 13 23-2793		6" Nipples (23 21 13 23-2707)			
23 21 13 23-2794	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	34.03	13.63	
23 21 13 23-2795	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	32.06	14.48	
23 21 13 23-2796	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	39.54	16.05	
23 21 13 23-2797	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	50.87	19.30	
23 21 13 23-2798	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	76.32	24.12	
23 21 13 23-2799	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	107.24	32.20	
23 21 13 23-2800	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	129.80	37.03	
23 21 13 23-2801	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	156.43	45.11	
23 21 13 23-2802		8" Nipples (23 21 13 23-2707)			
23 21 13 23-2803	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	38.00	15.32	
23 21 13 23-2804	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	55.47	16.89	
23 21 13 23-2805	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	67.39	20.14	
23 21 13 23-2806	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	89.36	24.96	
23 21 13 23-2807	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	127.86	32.93	
23 21 13 23-2808	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	156.73	37.75	
23 21 13 23-2809	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	193.02	45.83	
23 21 13 23-2810		10" Nipples (23 21 13 23-2707)			
23 21 13 23-2811	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	43.56	15.32	
23 21 13 23-2812	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	62.48	16.89	
23 21 13 23-2813	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	75.50	20.14	
23 21 13 23-2814	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	101.62	24.96	
23 21 13 23-2815	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	154.11	32.93	
23 21 13 23-2816	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	176.72	37.75	
23 21 13 23-2817	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	224.99	45.83	
23 21 13 23-2818		12" Nipples (23 21 13 23-2707)			
23 21 13 23-2819	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	48.58	16.89	
23 21 13 23-2820	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	65.40	17.73	
23 21 13 23-2821	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	83.24	20.87	
23 21 13 23-2822	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	118.97	26.53	
23 21 13 23-2823	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	172.62	34.62	
23 21 13 23-2824	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	253.01	47.52	
23 21 13 23-2825		18" Nipples (23 21 13 23-2707)			
23 21 13 23-2826	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	61.50	17.73	
23 21 13 23-2827		24" Nipples (23 21 13 23-2707)			
23 21 13 23-2828	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	73.86	18.45	
23 21 13 23-2829		30" Nipples (23 21 13 23-2707)			
23 21 13 23-2830	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	81.78	19.30	
23 21 13 23-2831		36" Nipples (23 21 13 23-2707)			
23 21 13 23-2832	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	89.71	20.14	
23 21 13 23-2833		Chrome Plated Fittings (23 21 13 23-2706)			
23 21 13 23-2834		Chrome Plated 90 Degree Elbows (23 21 13 23-2833)			
23 21 13 23-2835	EA	1/4" 90 Degree Elbow, Chrome Plated.....	26.23	11.21	
23 21 13 23-2836	EA	3/8" 90 Degree Elbow, Chrome Plated.....	26.83	12.06	
23 21 13 23-2837	EA	1/2" 90 Degree Elbow, Chrome Plated.....	30.10	12.90	
23 21 13 23-2838	EA	3/4" 90 Degree Elbow, Chrome Plated.....	38.48	16.89	
23 21 13 23-2839	EA	1" 90 Degree Elbow, Chrome Plated.....	52.09	21.71	
23 21 13 23-2840	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	79.62	29.80	
23 21 13 23-2841	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	95.49	34.62	
23 21 13 23-2842	EA	2" 90 Degree Elbow, Chrome Plated.....	130.10	42.70	
23 21 13 23-2843		Chrome Plated Street 90 Degree Elbows (23 21 13 23-2833)			
23 21 13 23-2844	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	30.14	11.21	
23 21 13 23-2845	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	31.13	12.06	
23 21 13 23-2846	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	33.09	12.90	
23 21 13 23-2847	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	42.89	16.89	
23 21 13 23-2848	EA	1" Street 90 Degree Elbow, Chrome Plated.....	60.21	21.71	



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2849	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	87.95		29.80
23 21 13 23-2850	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	107.16		34.62
23 21 13 23-2851	EA	2" Street 90 Degree Elbow, Chrome Plated.....	157.55		42.70
23 21 13 23-2852 Chrome Plated 45 Degree Elbows (23 21 13 23-2833)					
23 21 13 23-2853	EA	1/4" 45 Degree Elbow, Chrome Plated	27.09		11.21
23 21 13 23-2854	EA	3/8" 45 Degree Elbow, Chrome Plated	28.07		12.06
23 21 13 23-2855	EA	1/2" 45 Degree Elbow, Chrome Plated	30.99		12.90
23 21 13 23-2856	EA	3/4" 45 Degree Elbow, Chrome Plated	41.84		16.89
23 21 13 23-2857	EA	1" 45 Degree Elbow, Chrome Plated	55.85		21.71
23 21 13 23-2858	EA	1-1/4" 45 Degree Elbow, Chrome Plated	84.15		29.80
23 21 13 23-2859	EA	1-1/2" 45 Degree Elbow, Chrome Plated	101.54		34.62
23 21 13 23-2860	EA	2" 45 Degree Elbow, Chrome Plated	146.71		42.70
23 21 13 23-2861 Chrome Plated Street 45 Degree Elbows (23 21 13 23-2833)					
23 21 13 23-2862	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	36.37		12.90
23 21 13 23-2863 Chrome Plated Couplings (23 21 13 23-2833)					
23 21 13 23-2864	EA	1/4" Coupling, Chrome Plated	25.69		11.21
23 21 13 23-2865	EA	3/8" Coupling, Chrome Plated	26.90		12.06
23 21 13 23-2866	EA	1/2" Coupling, Chrome Plated	30.32		12.90
23 21 13 23-2867	EA	3/4" Coupling, Chrome Plated	38.57		16.89
23 21 13 23-2868	EA	1" Coupling, Chrome Plated	50.23		21.71
23 21 13 23-2869	EA	1-1/4" Coupling, Chrome Plated	72.86		29.80
23 21 13 23-2870	EA	1-1/2" Coupling, Chrome Plated	89.83		34.62
23 21 13 23-2871	EA	2" Coupling, Chrome Plated	123.17		42.70
23 21 13 23-2872 Chrome Plated Unions (23 21 13 23-2833)					
23 21 13 23-2873	EA	1/4" Union, Chrome Plated	40.57		12.90
23 21 13 23-2874	EA	3/8" Union, Chrome Plated	41.80		13.63
23 21 13 23-2875	EA	1/2" Union, Chrome Plated	50.36		15.32
23 21 13 23-2876	EA	3/4" Union, Chrome Plated	62.60		20.14
23 21 13 23-2877	EA	1" Union, Chrome Plated	79.21		25.69
23 21 13 23-2878	EA	1-1/4" Union, Chrome Plated	127.52		34.62
23 21 13 23-2879	EA	1-1/2" Union, Chrome Plated	158.50		41.01
23 21 13 23-2880	EA	2" Union, Chrome Plated	206.35		49.94
23 21 13 23-2881 Chrome Plated Caps (23 21 13 23-2833)					
23 21 13 23-2882	EA	1/4" Cap, Chrome Plated.....	17.04		5.67
23 21 13 23-2883	EA	3/8" Cap, Chrome Plated	17.63		6.03
23 21 13 23-2884	EA	1/2" Cap, Chrome Plated	20.08		6.39
23 21 13 23-2885	EA	3/4" Cap, Chrome Plated	25.09		8.45
23 21 13 23-2886	EA	1" Cap, Chrome Plated	29.94		10.85
23 21 13 23-2887	EA	1-1/4" Cap, Chrome Plated.....	44.04		14.84
23 21 13 23-2888	EA	1-1/2" Cap, Chrome Plated	57.72		17.24
23 21 13 23-2889	EA	2" Cap, Chrome Plated	84.04		22.56
23 21 13 23-2890 Chrome Plated Plugs (23 21 13 23-2833)					
23 21 13 23-2891	EA	1/4" Plug, Chrome Plated	14.05		5.67
23 21 13 23-2892	EA	3/8" Plug, Chrome Plated	14.64		6.03
23 21 13 23-2893	EA	1/2" Plug, Chrome Plated	16.93		6.39
23 21 13 23-2894	EA	3/4" Plug, Chrome Plated	22.86		8.45
23 21 13 23-2895	EA	1" Plug, Chrome Plated	28.23		10.85
23 21 13 23-2896	EA	1-1/4" Plug, Chrome Plated	38.15		14.84
23 21 13 23-2897	EA	1-1/2" Plug, Chrome Plated	46.94		17.24
23 21 13 23-2898	EA	2" Plug, Chrome Plated	65.29		22.56
23 21 13 23-2899 Chrome Plated Tees (23 21 13 23-2833)					
23 21 13 23-2900	EA	1/4" Chrome Plated Tee	36.60		16.89
23 21 13 23-2901	EA	3/8" Chrome Plated Tee	39.01		18.45
23 21 13 23-2902	EA	1/2" Chrome Plated Tee	43.41		20.14
23 21 13 23-2903	EA	3/4" Chrome Plated Tee	54.06		24.96
23 21 13 23-2904	EA	1" Chrome Plated Tee	76.44		32.20
23 21 13 23-2905	EA	1-1/4" Chrome Plated Tee	105.38		44.26
23 21 13 23-2906	EA	1-1/2" Chrome Plated Tee	134.25		51.50
23 21 13 23-2907	EA	2" Chrome Plated Tee	183.27		63.57
23 21 13 23-2908 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2833)					
23 21 13 23-2909	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	41.42		20.14
23 21 13 23-2910	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	48.66		24.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2911	Chrome Plated Bell Reducers (23 21 13 23-2833)			
23 21 13 23-2912	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	45.04	20.14
23 21 13 23-2913	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	54.88	24.96
23 21 13 23-2914	EA	1" x 1/2" Bell Reducer, Chrome Plated	69.79	32.20
23 21 13 23-2915	Chrome Plated Reducing Tees (23 21 13 23-2833)			
23 21 13 23-2916	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	59.46	24.96
23 21 13 23-2917	Chrome Plated Bushings (23 21 13 23-2833)			
23 21 13 23-2918	EA	3/8" x 1/4" Bushing, Chrome Plated.....	13.96	5.67
23 21 13 23-2919	EA	1/2" x 1/4" Bushing, Chrome Plated.....	15.02	6.03
23 21 13 23-2920	EA	1/2" x 3/8" Bushing, Chrome Plated.....	15.63	6.39
23 21 13 23-2921	EA	3/4" x 1/2" Bushing, Chrome Plated.....	19.89	8.45
23 21 13 23-2922	EA	1" x 3/4" Bushing, Chrome Plated.....	28.81	10.85
23 21 13 23-2923	EA	1-1/4" x 1" Bushing, Chrome Plated.....	42.02	14.84
23 21 16	Hydronic Piping Specialties (23 21)			
23 21 16 00-0001	Air Vents (23 21 16)			
23 21 16 00-0002	Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0001)			
	Note: With guided free floating lever.			
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	312.45	34.99
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	382.97	46.45
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	864.53	48.27
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,282.36	74.57
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,131.72	80.24
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,449.75	105.82
23 21 16 00-0009	Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0001)			
	Note: With guided free floating lever.			
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,152.49	40.42
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,697.92	46.45
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,219.64	48.27
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,282.91	74.81
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,101.92	80.24
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	8,971.39	105.57
23 21 16 00-0016	Automatic Air Vent (23 21 16 00-0001)			
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	260.20	46.45
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	285.14	48.27
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	403.19	74.57
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	499.57	80.24
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	639.24	86.46
23 21 16 00-0022	Manual Air Vent (23 21 16 00-0001)			
23 21 16 00-0023	EA	Manual Air Vent	83.21	43.56
23 21 16 00-0024	Air Release Valves (23 21 16 00-0001)			
23 21 16 00-0025	Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0024)			
	Note: Up to 175 psi. Stainless steel float.			
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	240.95	18.10
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	245.78	20.51
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	255.43	25.34
23 21 16 00-0029	Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0024)			
	Note: Up to 175 psi. Stainless steel float.			
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	1,007.48	25.34
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,202.83	44.04
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,574.61	102.69
23 21 16 00-0033	Cast Iron, Air/Vacuum Valves (23 21 16 00-0024)			
	Note: Up to 150 psi. Stainless steel float.			
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	484.70	18.10
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	596.68	25.34
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	1,030.58	44.04
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,496.61	102.69
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	2,337.72	172.37
23 21 16 00-0039	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	3,571.21	217.97



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0040		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0024) Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	869.68	25.34
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	1,332.83	44.04
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	2,455.36	102.69
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	3,172.97	172.37
23 21 16 00-0045		Vent Valves (23 21 16)		
23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	85.67	18.10
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	209.91	19.47
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75).....	199.99	19.47
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	206.93	19.47
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	267.69	19.47
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	197.26	19.47
23 21 16 00-0052		Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0053		Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0052)		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	251.03	30.43
		For Flanged Inlet, Add	88.75	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	285.51	36.06
		For Flanged Inlet, Add	95.27	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	357.20	41.69
		For Flanged Inlet, Add	128.53	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	523.56	47.33
		For Flanged Inlet, Add	226.15	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	593.01	56.34
		For Flanged Inlet, Add	250.00	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	818.97	70.99
		For Flanged Inlet, Add	365.34	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	1,805.24	93.53
		For Flanged Inlet, Add	972.15	
23 21 16 00-0061		Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0052)		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	693.12	30.43
		For Flanged Inlet, Add	389.37	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	839.23	36.06
		For Flanged Inlet, Add	471.80	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,202.22	41.69
		For Flanged Inlet, Add	703.15	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,225.03	47.33
		For Flanged Inlet, Add	703.15	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,768.18	56.34
		For Flanged Inlet, Add	1,049.11	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,824.52	70.99
		For Flanged Inlet, Add	1,049.11	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	3,024.99	93.53
		For Flanged Inlet, Add	1,801.58	
23 21 16 00-0069		Y-Type Strainers (23 21 16)		
23 21 16 00-0070		Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers (23 21 16 00-0069)		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	84.22	13.51
		For Galvanized Body, Add	22.81	
		For Work In Restricted Working Space, Add	11.58	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	84.82	13.76
		For Galvanized Body, Add	22.81	
		For Work In Restricted Working Space, Add	11.76	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	107.52	18.58
		For Galvanized Body, Add	27.22	
		For Work In Restricted Working Space, Add	15.93	
23 21 16 00-0074	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	136.91	22.20
		For Galvanized Body, Add	36.78	
		For Work In Restricted Working Space, Add	19.01	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	179.20	27.45
		For Galvanized Body, Add	50.39	
		For Work In Restricted Working Space, Add	23.53	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	205.84	29.57
		For Galvanized Body, Add	60.69	
		For Work In Restricted Working Space, Add	25.34	
23 21 16 00-0077	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer.....	283.37	33.78
		For Galvanized Body, Add	93.42	
		For Work In Restricted Working Space, Add	28.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	540.68	42.23
		For Galvanized Body, Add	210.01	
		For Work In Restricted Working Space, Add	36.20	
23 21 16 00-0079	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	699.57	52.85
		For Galvanized Body, Add	274.37	
		For Work In Restricted Working Space, Add	45.25	
23 21 16 00-0080 Flanged, 125 Lb., Iron Body , Y-Type Strainers (23 21 16 00-0069)				
23 21 16 00-0081	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	506.23	126.69
		For Galvanized Body, Add	173.74	
		For Work In Restricted Working Space, Add	47.63	
23 21 16 00-0082	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	577.12	160.84
		For Galvanized Body, Add	188.01	
		For Work In Restricted Working Space, Add	60.33	
23 21 16 00-0083	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,153.13	205.13
		For Galvanized Body, Add	448.21	
		For Work In Restricted Working Space, Add	77.02	
23 21 16 00-0084	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,448.18	343.88
		For Galvanized Body, Add	508.63	
		For Work In Restricted Working Space, Add	129.28	
23 21 16 00-0085	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,570.37	346.38
		For Galvanized Body, Add	569.03	
		For Work In Restricted Working Space, Add	129.69	
23 21 16 00-0086	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,896.22	384.87
		For Galvanized Body, Add	706.71	
		For Work In Restricted Working Space, Add	144.84	
23 21 16 00-0087	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,394.64	491.77
		For Galvanized Body, Add	1,391.87	
		For Work In Restricted Working Space, Add	183.27	
23 21 16 00-0088	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,952.80	598.68
		For Galvanized Body, Add	3,102.23	
		For Work In Restricted Working Space, Add	224.50	
23 21 16 00-0089	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,520.33	534.53
		For Galvanized Body, Add	3,225.63	
		For Work In Restricted Working Space, Add	320.72	
23 21 16 00-0090 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0069)				
		Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0091	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	74.94	13.76
		For 300 Lb. Rating, Add	60.74	
		For Work In Restricted Working Space, Add	11.76	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	99.53	18.58
		For 300 Lb. Rating, Add	78.95	
		For Work In Restricted Working Space, Add	15.93	
23 21 16 00-0093	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	121.85	22.20
		For 300 Lb. Rating, Add	99.45	
		For Work In Restricted Working Space, Add	19.01	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	166.32	27.45
		For 300 Lb. Rating, Add	149.41	
		For Work In Restricted Working Space, Add	23.53	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	198.62	29.57
		For 300 Lb. Rating, Add	194.06	
		For Work In Restricted Working Space, Add	25.34	
23 21 16 00-0096	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	266.50	33.78
		For 300 Lb. Rating, Add	288.95	
		For Work In Restricted Working Space, Add	28.96	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	375.66	42.23
		For 300 Lb. Rating, Add	433.50	
		For Work In Restricted Working Space, Add	36.20	
23 21 16 00-0098	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	679.54	52.85
		For 300 Lb. Rating, Add	898.81	
		For Work In Restricted Working Space, Add	45.25	
23 21 16 00-0099	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,184.39	63.35
		For 300 Lb. Rating, Add	1,705.78	
		For Work In Restricted Working Space, Add	54.30	
23 21 16 00-0100 Flanged, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0069)				
		Note: With bolted cap.		
23 21 16 00-0101	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	644.91	160.84
		For 300 Lb. Rating, Add	266.29	
		For Work In Restricted Working Space, Add	60.33	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	671.56	174.96
		For 300 Lb. Rating, Add	271.31	
		For Work In Restricted Working Space, Add	65.81	
23 21 16 00-0103	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	774.50	205.13
		For 300 Lb. Rating, Add	310.67	
		For Work In Restricted Working Space, Add	77.02	
23 21 16 00-0104	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,689.06	343.88
		For 300 Lb. Rating, Add	754.88	
		For Work In Restricted Working Space, Add	129.28	



Heating, Ventilating, and Air-Conditioning (HVAC)			23	23
HVAC Piping and Pumps			23 20	
Hydronic Piping and Pumps			23 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0105	EA		6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,389.91 1,144.27 144.84	384.87
23 21 16 00-0106	EA		8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,865.53 1,952.78 183.27	491.77
23 21 16 00-0107	EA		10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,429.66 7,008.79 224.50	598.68
23 21 16 00-0108	Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0069)				
23 21 16 00-0109	Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0108)				
23 21 16 00-0110	EA		1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	109.18 11.58	13.27
23 21 16 00-0111	EA		3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	130.74 15.56	18.21
23 21 16 00-0112	EA		1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	157.26 21.35	24.72
23 21 16 00-0113	EA		1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	234.05 22.80	26.53
23 21 16 00-0114	EA		1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	238.70 24.61	28.71
23 21 16 00-0115	EA		2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	278.55 27.86	32.56
23 21 16 00-0116	EA		2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	562.56 36.18	42.22
23 21 16 00-0117	EA		3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	565.10 45.23	52.83
23 21 16 00-0118	EA		4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	886.24 48.12	56.21
23 21 16 00-0119	Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0108)				
23 21 16 00-0120	EA		2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	459.21 45.23	75.39
23 21 16 00-0121	EA		2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	870.26 58.98	98.30
23 21 16 00-0122	EA		3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	896.54 76.99	205.05
23 21 16 00-0123	EA		4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	1,461.98 129.23	343.75
23 21 16 00-0124	Crimped Bronze Body, Class 125, Y-Type Strainers (23 21 16 00-0069) Note: NIBCO				
23 21 16 00-0125	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	187.12 8.14	12.06
23 21 16 00-0126	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	216.84 9.27	13.27
23 21 16 00-0127	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	309.89 11.08	15.08
23 21 16 00-0128	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	416.95 12.21	16.05
23 21 16 00-0129	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	502.63 13.57	18.57
23 21 16 00-0130	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	746.49 16.28	21.95
23 21 16 00-0131	Crimped Bronze Body, 250 PSI, Y-Type Strainers (23 21 16 00-0069)				
23 21 16 00-0132	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	78.24	12.06
23 21 16 00-0133	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	95.32	13.27
23 21 16 00-0134	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	139.13	15.08
23 21 16 00-0135	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	169.74	16.05
23 21 16 00-0136	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	202.31	18.57
23 21 16 00-0137	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	265.33	21.95
23 21 16 00-0138	Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.				
23 21 16 00-0139	EA		2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	563.55 23.28	47.54
23 21 16 00-0140	EA		2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	591.59 25.86	52.73
23 21 16 00-0141	EA		2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	600.79 27.16	55.38
23 21 16 00-0142	EA		2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,132.99 65.81	174.96
23 21 16 00-0143	EA		3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	620.26 31.54	64.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0144	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	702.88 31.54	64.43
23 21 16 00-0145	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,185.68 71.42	190.44
23 21 16 00-0146	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,209.21 77.02	205.13
23 21 16 00-0147	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,466.41 103.15	275.06
23 21 16 00-0148	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,723.59 129.28	343.88
23 21 16 00-0149	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,977.68 129.69	345.84
23 21 16 00-0150	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,392.64 144.84	384.87
23 21 16 00-0151	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,700.55 183.27	491.77
23 21 16 00-0152	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,202.17 183.27	491.77
23 21 16 00-0153	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,796.42 224.50	598.68
23 21 16 00-0154	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	5,617.70 224.50	598.68
23 21 16 00-0155		Duplex Strainers ^(23 21 16)		
23 21 16 00-0156		Iron Body, Duplex Strainers ^(23 21 16 00-0155)		
23 21 16 00-0157		Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers ^(23 21 16 00-0156) Note: With brass or stainless steel basket.		
23 21 16 00-0158	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	971.15 18.04	30.05
23 21 16 00-0159	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,084.24 20.65	34.39
23 21 16 00-0160	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,471.06 24.24	40.42
23 21 16 00-0161	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,853.19 26.42	44.04
23 21 16 00-0162	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,484.93 32.32	53.69
23 21 16 00-0163	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,126.81 41.26	68.78
23 21 16 00-0164		Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers ^(23 21 16 00-0156) Note: With brass or stainless steel basket.		
23 21 16 00-0165	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,380.19 60.33	160.84
23 21 16 00-0166	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,493.37 65.81	174.96
23 21 16 00-0167	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,479.69 77.02	205.13
23 21 16 00-0168	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,024.69 114.54	304.68
23 21 16 00-0169	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,768.56 144.84	384.87
23 21 16 00-0170	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	26,233.43 183.27	491.77
23 21 16 00-0171	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	36,240.29 224.50	598.68
23 21 16 00-0172	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,987.66 453.00	754.77
23 21 16 00-0173	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	48,897.79 320.72	855.26
23 21 16 00-0174	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	61,151.66 352.79	940.78
23 21 16 00-0175		Bronze Body, Duplex Strainers ^(23 21 16 00-0155)		
23 21 16 00-0176		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers ^(23 21 16 00-0175) Note: With brass or stainless steel basket.		
23 21 16 00-0177	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,815.75 18.04	30.17
23 21 16 00-0178	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,014.24 20.65	34.39
23 21 16 00-0179	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,951.47 24.24	40.42
23 21 16 00-0180	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,884.01 26.42	44.04
23 21 16 00-0181	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,018.71 32.32	53.69



Heating, Ventilating, and Air-Conditioning (HVAC)			23
HVAC Piping and Pumps			23 20
Hydronic Piping and Pumps			23 21

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0182 EA 2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer For Work In Restricted Working Space, Add	6,163.56 41.26	68.78
23 21 16 00-0183 Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0175) Note: With brass or stainless steel basket.		
23 21 16 00-0184 EA 2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer..... For Work In Restricted Working Space, Add	7,033.77 60.33	160.84
23 21 16 00-0185 EA 2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer..... For Work In Restricted Working Space, Add	7,241.85 65.81	174.96
23 21 16 00-0186 EA 3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer..... For Work In Restricted Working Space, Add	9,936.34 77.02	205.13
23 21 16 00-0187 EA 4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer..... For Work In Restricted Working Space, Add	15,660.43 114.54	304.68
23 21 16 00-0188 EA 6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer..... For Work In Restricted Working Space, Add	34,076.78 144.84	384.87
23 21 16 00-0189 Cast Steel Body, Duplex Strainers (23 21 16 00-0155)		
23 21 16 00-0190 Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0189) Note: With brass or stainless steel basket.		
23 21 16 00-0191 EA 1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	2,832.05 20.65	34.39
23 21 16 00-0192 EA 1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	3,488.74 24.23	40.42
23 21 16 00-0193 EA 1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	4,140.81 26.43	44.04
23 21 16 00-0194 EA 2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	7,015.76 32.32	53.69
23 21 16 00-0195 Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0189) Note: With brass or stainless steel basket.		
23 21 16 00-0196 EA 2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	7,155.19 60.33	160.84
23 21 16 00-0197 EA 2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	7,864.27 65.81	174.96
23 21 16 00-0198 EA 3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	10,342.45 77.02	205.13
23 21 16 00-0199 EA 4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	15,165.00 114.54	304.68
23 21 16 00-0200 EA 6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	25,904.37 144.84	384.87
23 21 16 00-0201 EA 8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer..... For Work In Restricted Working Space, Add	50,532.96 183.27	491.77
23 21 16 00-0202 Stainless Steel Body, Duplex Strainers (23 21 16 00-0155)		
23 21 16 00-0203 Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0202) Note: With stainless steel basket.		
23 21 16 00-0204 EA 1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	6,492.73 20.65	34.39
23 21 16 00-0205 EA 1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	8,205.81 24.23	40.42
23 21 16 00-0206 EA 1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	9,902.37 26.43	44.04
23 21 16 00-0207 EA 2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	15,870.05 32.32	53.69
23 21 16 00-0208 Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0202) Note: With stainless steel basket.		
23 21 16 00-0209 EA 2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	16,617.70 60.33	160.84
23 21 16 00-0210 EA 2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	17,468.71 65.81	174.96
23 21 16 00-0211 EA 3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	27,379.80 77.02	205.13
23 21 16 00-0212 EA 4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	33,452.93 114.54	304.68
23 21 16 00-0213 EA 6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	58,773.63 144.84	384.87
23 21 16 00-0214 EA 8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer For Work In Restricted Working Space, Add	108,627.37 183.27	491.77
23 21 16 00-0215 Pressure Regulating Valve (23 21 16)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 16 00-0216	Screwed Ends, Iron Body, Water Pressure Reducing Valves (23 21 16 00-0215) Note: For building services, 25 - 75 PSI, up to 300 Lb. rating				
23 21 16 00-0217	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	238.32 18.09		15.08	
23 21 16 00-0218	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	293.89 20.10		16.89	
23 21 16 00-0219	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	387.27 21.29		18.09	
23 21 16 00-0220	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	665.11 24.12		20.26	
23 21 16 00-0221	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	903.07 28.95		24.12	
23 21 16 00-0222	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	1,293.87 44.43		36.98	
23 21 16 00-0223	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	1,407.34 49.98		41.65	
23 21 16 00-0224	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve For Work In Restricted Working Space, Add	1,546.33 55.53		120.51	
23 21 16 00-0225	Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0215) Note: Single seated, spring loaded, direct acting diaphragm valve.				
23 21 16 00-0226	Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0225) Note: Single seated, spring loaded, direct acting diaphragm valve.				
23 21 16 00-0227	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	401.57 24.29		20.27	
23 21 16 00-0228	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	502.75 34.48		28.72	
23 21 16 00-0229	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	646.29 42.09		34.99	
23 21 16 00-0230	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	864.96 48.92		42.48	
23 21 16 00-0231	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	1,161.42 55.69		48.27	
23 21 16 00-0232	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	1,358.41 67.61		67.61	
23 21 16 00-0233	Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0225) Note: Single seated, spring loaded, direct acting diaphragm valve.				
23 21 16 00-0234	EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	3,133.77 61.46		163.39	
23 21 16 00-0235	EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	3,896.74 71.93		191.56	
23 21 16 00-0236	EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	5,011.56 120.73		321.15	
23 21 16 00-0237	EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer For Work In Restricted Working Space, Add	12,497.90 148.13		393.60	
23 21 16 00-0238	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0215)				
23 21 16 00-0239	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0238) Note: Single seated, spring loaded, direct acting diaphragm valve.				
23 21 16 00-0240	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	2,271.51 22.08		14.72	
23 21 16 00-0241	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	2,319.18 22.08		14.72	
23 21 16 00-0242	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	2,470.89 27.87		18.58	
23 21 16 00-0243	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	2,904.04 35.48		23.64	
23 21 16 00-0244	EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	3,324.65 40.91		27.27	
23 21 16 00-0245	EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	4,122.03 48.15		32.09	
23 21 16 00-0246	Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0238) Note: Single seated, spring loaded, direct acting diaphragm valve.				
23 21 16 00-0247	EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	5,093.25 61.46		163.39	
23 21 16 00-0248	EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	6,282.69 71.93		191.56	
23 21 16 00-0249	EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	9,517.16 120.73		321.15	
23 21 16 00-0250	EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve For Work In Restricted Working Space, Add	20,942.30 148.13		393.60	
23 21 16 00-0251	Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0215)				